Technical Guide: ZQ, ZX, ZY, and ZL SERIES 3 to 12.5 Ton, 60 Hertz

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Contents

Product highlights

- Assembled in Norman, OK
- ASHRAE 90.1 Compliant
- R-410A Refrigerant
- Cooling only and gas/electric configurations available
- Scroll compressors
- Up to 17.2 SEER on 3-5 ton ZL level
- Up to 16.3 IEER and 12.2 EER on the 3 stage cooling advanced building code compliant level.
- Up to 15.4 SEER and 12.2 EER on the Energy Star Compliant Energy Level
- Up to 14.0 SEER and 11.2 EER on the ASHRAE 90.1 Compliant Standard Efficiency Level
- Department of Energy (DOE) compliant - All models meet minimum DOE efficiencies for cooling and fan efficiencies. Single-phase gas heating products are fan energy rated (FER) to meet DOE requirements.
- Ultra-Low NOx (ULN) models meet California SCAQMD 14 ng/J NOx level requirements.
- State-of-the-art microprocessor controls with specific programming for product applications
- MicroChannel condenser coils
- Evaporator coils use copper tube/aluminum fin design for proven reliability and performance.
- Thermostatic Expansion Valve (TXV) Standard on: ASHRAE 90.1 Compliant Standard Efficiency Level 5 ton to 12.5 ton models, Energy Star Compliant Efficiency Level 3 ton to 10 ton models and advanced building code compliant efficiency level 7.5 ton to 12.5 ton models.
- Single-stage cooling (3 ton to 6 ton models)
- Two-stage cooling (3 ton to 5 ton ZL models and 6 ton to 12.5 ton models)
- Three-stage cooling available (7.5 ton to 12.5 ton models)
- Alternate motor and drives

ⓘ **Note:** All single-phase 3 ton to 5 ton gas heating units are equipped with an ECM motor on direct drive units.

Patents

Patents: https://jcipat.com

Options and accessories

- Economizers with barometric relief
- Louvered hail guards
- Non-fused disconnect (verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat may exceed the factory installed disconnect amperage rating.)
- Power exhaust
- Propane conversion kits (except Ultra-Low NOx (ULN) models)
- High altitude heating conversion kits (except Ultra-Low NOx (ULN) models)
- Flue exhaust extension kit
- Flue heat shield
- Smoke detectors
- Manual and motorized dampers
- Hinged cabinet doors
- Low ambient head pressure control kit
- Optional stainless steel heat exchanger (standard on 3 ton to 5 ton Low NOx Models)
- Thru-the-base connections for power, gas and control wiring.
- IntelliSpeed™ with premium efficiency indoor motors to meet ASHRAE 90.1 requirements (3 ton to 5 ton ZL belt drive models and 6 ton to 12.5 ton models)
- *Field Installed Electric Heat Kit - Installation Instructions* for the Electric Heat Kits may be found in the Electric Heat Kits
- Factory Standard with the Smart Equipment™ Board with the option to downgrade to the Everyday Thermostat Control (ETC) board on ZQ/ZX/ZY models.
- MagnaDry dehumidification system - Available on ZY 3 ton to 10 ton units and ZL 3 ton to 12.5 ton units - Smart Equipment board only.

Component location

Figure 1: Cooling with gas heat (3 ton through 5 ton) front

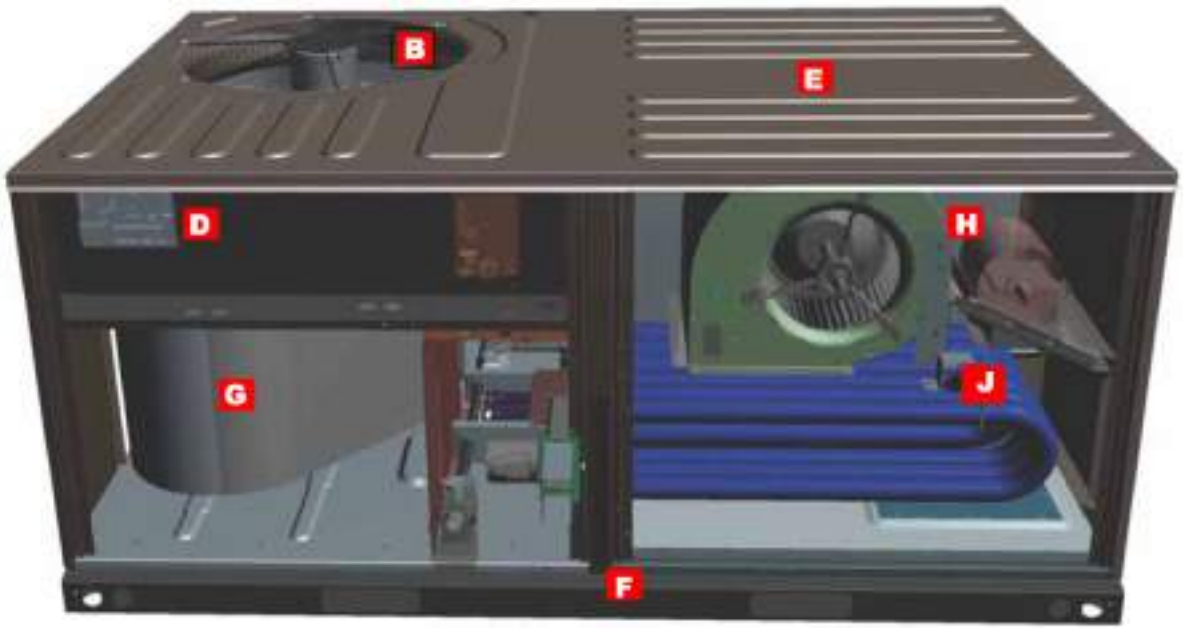
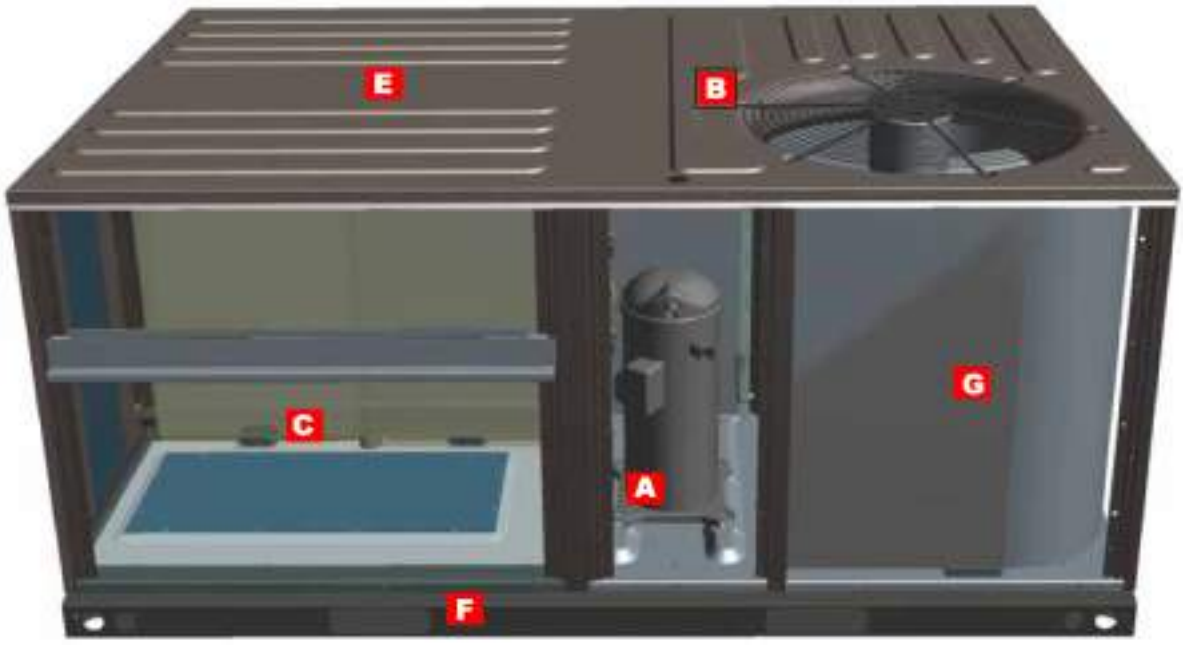


Figure 2: Cooling with gas heat (3 ton through 5 ton) back



Letter	Features
A	Scroll compressor
B	Outdoor fan
C	Filter rack
D	Everyday Thermostat Control (ETC) board

Letter	Features
E	Embossed top
F	Perimeter base rail
G	Coils
H	Indoor fans
J	Two-stage gas heating

See letters in Features and benefits for further description of the features.

Features and benefits

The letters in brackets in the text correspond to the letters in Figure 1 and Figure 2.

Three tiers of efficiency

14 SEER standard efficiency provides a cost effective 14 SEER/11.0 EER product that meets ASHRAE 90.1 requirements. The high-efficiency meets the requirements for Energy Star that exceeds 15 SEER and 12 EER. The 17 SEER ZL units contain two-stage compressors and multi-stage blower control to achieve advanced rebate codes. The high efficiency 3-stage cooling units are available from 7.5 tons to 12.5 tons to meet advanced building code requirements. Gas/electric units have electronic spark ignition and power vented combustion steady state efficiencies of 80%. These efficiencies meet or exceed all legislated minimum levels providing lower operating costs.

(A) All models use scroll compressors that are environmentally friendly by using R-410A refrigerant. Using the scroll compressor technology means a simple internal design, fewer moving parts, equating to a quiet, reliable, easy to service and efficient system. Internal compressor protection is standard and compressors include protection to prevent liquid damage.

Total system design

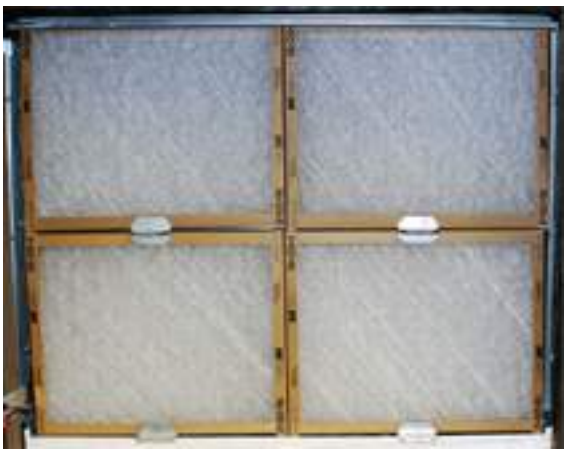
A TXV is used for precise metering on the 6 ton to 12.5 ton and high SEER 3 ton to 5 ton products and a fixed orifice is used to keep the cost of the product down on the 3 ton to 5 ton product. Two independent refrigerant circuits and compressors are used on the 7.5 ton to 12.5 ton units for economical and precise control. A single circuit, single compressor design is used on the 3 ton to 6 ton units for cost effectiveness and reliability without compromising quality.

System protection

Liquid line filter-driers, high and low pressure safeties are standard on each independent refrigerant circuit. Suction line sensors monitor temperature to prevent possible liquid flood back to the compressors and also protect against loss of charge and coil frosting.

(B) Balanced outdoor fan design makes for a quieter unit - The outdoor condenser fans are dynamically balanced for better performance and reliability. The direct drive fan design mounted to the fan grill allows for quick and easy service. Where other's components might fail at extreme temperatures, our units are tested and rated up to 125°F ambient cooling operation.

(C) Filter rack - Units ship with MERV 4 throwaway filters standard; however MERV 8 and MERV 13 filters can be easily added through the tool-free filter access panel to meet LEED requirements. Refer to physical data tables for filter size details.



(D) ZQ, ZX, and ZY units optionally come with the Everyday Thermostat Control (ETC) board. The ETC comes in the same footprint as the Smart Equipment™ Control board and uses the same cutting edge technology. The ETC board focuses on providing the quickest field install, start-up, and service possible. All units are factory run tested.

Intuitive – The ETC board can **only** be commanded by a traditional thermostat, using common screw terminal blocks for connection, and as a result minimizing complexity or the need for advanced service training.

Simple diagnostics - The ETC board has two simple colored LEDs and these LEDs display flash codes for fault condition states. A table of these flash codes is mounted on each unit to aid in troubleshooting and diagnostics in the field.

Equipment protection - The ETC board, similar to Smart Equipment™, monitors high and low pressure switch status on the independent refrigerant circuits, and freeze stat status. On units with heating, the gas valve and high temperature limit switches are monitored on gas and electric heating units. The control also monitors the voltage supplied to the unit and protects the unit if low voltage occurs due to a brown out, or other electrical issue.

Anti-short cycle protection - An anti-short cycle delay is incorporated into the standard control to aid compressor life. Compressor reliability is further ensured by programmable minimum run times. For testing, you can temporarily override the anti-short cycle delay with the push of a button.

Fan delay versatility – The ETC board offers three field selectable heating fan delay options based off simple jumper positions, allowing quick adjustment in the field.

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All units as factory standard come with the state-of-the-art Smart Equipment™ control system. The unit control incorporates the best of the already proven Smart Equipment™ controls and creates a more robust, intelligent control. The goal of this control is to utilize cutting edge technology making the equipment easier to install, operate, and service. All units are Factory run tested.

Versatile

You can configure the Smart Equipment™ control to work with a standard thermostat (easy to connect screw terminals), a zone sensor, or you can set it up to communicate with multiple BAS communication protocols to integrate with building automation systems.

Reduce field installed complexity

Each unit comes equipped with factory-installed supply air, return air, and outdoor air temperature sensors providing key temperature readings, reducing field installed complexity.

On-board USB port

The control comes with a long list of features including data logging, current and previous system faults and software update capabilities using the on board USB port and common flash drive. Energy use monitoring capabilities allow custom tailoring to allow a system to work more efficiently at all times and occupancy levels. Self test and start-up reports also available from the board VIA the USB port.

Embedded LCD display

The board has an easy to read, built-in LCD display and easy to use navigation joystick and buttons allowing the user to quickly navigate the menus displaying unit status, options, current function, supply, return and outdoor temperatures, fault codes and other information.

Safety monitoring

The control monitors the outdoor, supply, and return air temperatures and the high and low pressure switch status on the independent refrigerant circuits. On units with heating the gas valve and high temperature limit switches are monitored on gas and electric heating units. The control also monitors the voltage supplied to the unit and will protect the unit if low voltage due to a brown out, or other electrical issue occurs.

Low ambient

An integrated low-ambient control allows units to operate in the cooling mode down to 0°F outdoor ambient without additional components or intervention. Optionally, you can program the control board to lockout the compressors when the outdoor air temperature is low or when free cooling is available.

Anti-short cycle protection

To aid compressor life, an antishort cycle delay is incorporated into the standard control. Compressor reliability is further ensured by programmable minimum run times. For testing, you can temporarily override the anti-short cycle delay can be temporarily overridden with the push of a button.

Fan delays

Fan on and fan off delays are fully programmable. Furthermore, the heating and cooling fan delay times are independent of one another. All units are programmed with default values based upon their configuration of cooling and/or heating capacity.

Nuisance trip protection and three strikes

To prevent nuisance calls, the control board uses a three times, you're out philosophy. The high, low-pressure switch, anti-freeze protection, low voltage or heating high limit must trip three times within two hours before the unit control board locks out the associated compressor. The same safety must trip three times before a hard lockout occurs.

(E) Robust design - Each unit is designed with an embossed top to increase structural support and ensure rigidity. The unit has a powder paint exterior finish including a industry leading 750 hour salt spray rating. All units are painted with a long lasting, powder paint that stands up over the life of the unit.

(F) Full perimeter base rail that fits on many existing curbs -This product was designed with the replacement market in mind, which is why it fits on many existing curbs in the field. It also takes into account the new construction market by being versatile and sturdy. This unit is equipped with heavier gauge and innovatively designed base rails to prevent damage from transporting and rigging.

(G) Coils -All units use Microchannel "all-aluminum" condenser coils that provide improved heat transfer capabilities and reduced refrigerant charge volumes. This equates to all units meeting LEED EA Credit 4 Requirements for Enhanced Refrigerant Management. Microchannel coils are also much easier to clean than your typical fin/tube designs.

Optional MagnaDry™ dehumidification system

Units optioned with Micro-channel all-aluminum type reheat coils provide superior dehumidification at a wide range of outdoor temperatures. This system provides comfort without over-cooling the space. Available on ZY 3 ton to 10 ton and ZL 3 ton to 12.5 ton high efficiency units only.

All evaporator coils use copper tube with aluminum fin design for proven reliability and performance.

(H) Rigid mounted blower assembly - Dynamically balanced indoor fans ensure better performance and reliability. Large access panels for easier access, service, and maintenance. X13 Direct drive (Standard Static Option) and belt drive (Medium Static and High Static Options) options available on 3 ton to 5 ton products. The belt drive option is standard on 6 ton to 12.5 ton products. Low, medium, and high Static drive options for airflow versatility up to 2 in. ESP with no field installed drive packages necessary. The X13 motor technology offers several benefits w/ respect to efficiency, operation, comfort, and cost when compared to other motors. Premium efficiency indoor motors are standard on ZY06 and ZX14. The IntelliSpeed™ option is available on 6 ton to 12.5 ton products and standard on the belt drive 17 SEER units and the 3 stage cooling models to meet ASHRAE 90.1 and Title 24 Requirements. The blower section includes a dual density insulation for indoor air quality.

(J) Balanced heating - The two-stage gas heating offers ultimate heating comfort with a balance between first and second stage gas heating. The first stage of a two stage gas heat option provides approximately 70% of the heating capacity in all 3 tons to 12.5 tons two stage gas heat models. Balanced heating allows the unit to better maintain required temperatures and helps saves energy. Low NOx comes standard with a stainless steel heat exchanger to meet California environmental requirements. The heat exchanger section includes foil faced insulation that is not only environmentally friendly but meets all NFPA codes.

Warranty

All models include a 1-year limited warranty on the complete unit. Compressors carry a 5-year warranty. Aluminized steel heat exchangers carry a 10-year warranty and stainless steel heat exchangers carry a 15-year warranty.

Factory installed options

(Nomenclature digit position)

Airflow options (8)
Alternate indoor blower motor - For applications with high static restrictions, units are offered with optional indoor motors providing higher external static capability and/or higher airflow, depending upon the installer's needs. • A=Standard static (direct drive for 3 ton to 5 ton; Belt Drive for 6 ton to 12.5 ton) • B=Medium static (belt drive for 3 ton to 12.5 ton) • C=High static (belt drive for 3 ton to 12.5 ton; 3 Phase Models Only)

VFD/VAV options (9)
IntelliSpeed™ supply fan control option (ASHRAE 90.1 compliant) - Units configured with the IntelliSpeed™ supply fan option contains a VFD for variable volume supply fan operation. This option allows the supply fan RPM to vary based on the number of compressors or heating stages energized. The economizer's minimum position is also configurable. • 1=None (Comes with standard constant volume controls) • 2=VFD/VAV (ZL 3-Stage only) • 3=VFD IntelliSpeed™ (17 SEER belt drive models and standard on ZL High Efficiency 3-stage cooling models)

Coil options (10)
E-coat coils – Coils are coated with an epoxy polymer coating to protect against corrosion. A 3-year warranty is added when this option is selected. • A=Standard indoor and outdoor coils (fin/tube design on indoor coil and MicroChannel design used on outdoor coil with no E-coat coating added). • B=Standard indoor coil and E-coat coil outdoor coil (fin/ tube design on indoor coil and MicroChannel design used on outdoor coil. E-coat coating added to outdoor coil) • C= E-coat indoor coil and standard outdoor coil (fin/tube design on indoor coil and MicroChannel design used on outdoor coil. E-coat coating added to indoor coil) • D= E-coat indoor coil and outdoor coil (fin/tube design on indoor coil and MicroChannel design used on outdoor coil. E-coat coating added to indoor and outdoor coil) • E=Standard indoor and outdoor coils (fin/tube design on indoor coil and MicroChannel design used on outdoor coil with no E-coat coating added) with reheat • F=Standard indoor coil and E-coat coil outdoor coil (fin/ tube design on indoor coil and MicroChannel design used on outdoor coil. E-coat coating added to outdoor coil) with reheat • G= E-coat indoor coil and standard outdoor coil (fin/tube design on indoor coil and MicroChannel design used on outdoor coil. E-coat coating added to indoor coil) with reheat • H= E-coat indoor coil and outdoor coil (fin/tube design on indoor coil and MicroChannel design used on outdoor coil. E-coat coating added to indoor and outdoor coil) with reheat

Controls (11)

Everyday Thermostat Control (ETC) - ZQ, ZX and ZY units optionally may come with the ETC board. The ETC comes in the same footprint as the Smart Equipment™ Control board and uses the same cutting edge technology. The ETC board focuses on providing the quickest field install, start-up, and service possible.

Smart Equipment™ - This is the Standard microprocessor control for all units, with capabilities to work with a sensor or thermostat only. Smart Equipment™ with BAS includes communication board with BACnet open-protocol system. Required for units equipped with reheat option.

Verasys - Verasys provides a simple user experience with configurable self-recognizing controllers without the need for any additional tools. Verasys creates enhanced integration of HVACR equipment, zoning, and controls. Contractors are able to offer a complete bundled solution of equipment and controls to serve the light commercial market.

- A=Smart Equipment™
- B=Smart Equipment™ + BACnet MSTP, Mdbs, N2 COM Card
- E=Everyday Thermostat Control (ETC)
- J=Verasys single zone
- K=Verasys change over bypass

Sensor options (12)

- 1=None (Units come standard with factory installed supply air, return air, and outdoor air temperature sensors)
- 2=RA[1] smoke detector
- 3=SA smoke detector
- 4=RA[1] & SA Smoke Detector

1 Return air smoke detector sensor must be relocated in the field. (See Unit Installation manual.)

Economizer/Damper (13) (Smart Equipment™ models only)

Down flow economizers (with barometric relief) - All units offer a variety of optional factory installed economizers that are shipped, installed and wired with AMCA 511 Licensed Class 1A low leak dampers designed to exceed ASHRAE 90.1 and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 cfm/ ft^2 at 1 in. of static pressure. Each economizer goes through a rigorous 60,000 cycle test. Dry bulb, single enthalpy, and dual enthalpy (with field installed kit) can be selected. All economizer options are fully integrated into the Smart Equipment™ controls. The economizer has spring return, fully modulating damper actuators and is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input. The dual enthalpy kit provides a second input used to monitor the return air (field installed). The installer needs only to assemble the outdoor air hood, attach the enthalpy control the hood and mount the hood to the unit (Hood and control are provided).

Dry bulb economizer - Economizer operation is enabled by the outdoor air temperature being less than the setpoint of the economizer module.

Enthalpy economizer - The added outdoor air enthalpy sensor enables economizer operation if the outdoor enthalpy is less than the setpoint of the economizer logic module.

- A=None
- B=Dry bulb economizer
- C=Enthalpy economizer

Convenience outlet (14)
Convenience outlet - (Powered and non-powered) - This option locates a 120 V single-phase GFCI outlet with cover, on the corner of the unit housing adjacent to the compressors. The non-powered option requires the installer to provide the 120 V single-phase power source and wiring. Factory installed option only. • 1=None • 2=Non-powered convenience outlet • 3=Powered convenience outlet

Electrical options (15)
Disconnect switch - For units with field installed electric heat kits, two factory installed disconnect sizes are available (60 A or 100 A non-fused disconnect). Depending on the field installed heater kit selected, the factory installed disconnect may not be sufficient. Always refer to the unit nameplate or unit electrical data for the proper disconnect size. If the heater application requires a disconnect above 100 A, you should remove the factory installed disconnect and install an appropriately sized external disconnect. • 1=None • 2=Non-fused Disconnect[1]

1 Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat may exceed the factory installed disconnect amperage rating.

Cabinet options (16)
Louvered hail guard - This kit includes a decorative louvered panel that installs over the outside condenser coil and prevents damage to the coil fins from hail strikes. **Hinged cabinet doors** - The factory installed hinged panel option saves time, money, and labor while allowing easy servicing of blower components, filters, and controls. With this option there is no longer a need to remove panels to access these critical sections and running the risk of losing panels or causing roof damage from loose panels and materials. Extra care was taken to design a durable hinged panel with leak tight seal. • 1=None • 2=Louvered panels • 3=Hinged cabinet doors • 4=Hinged cabinet doors and louvered panels

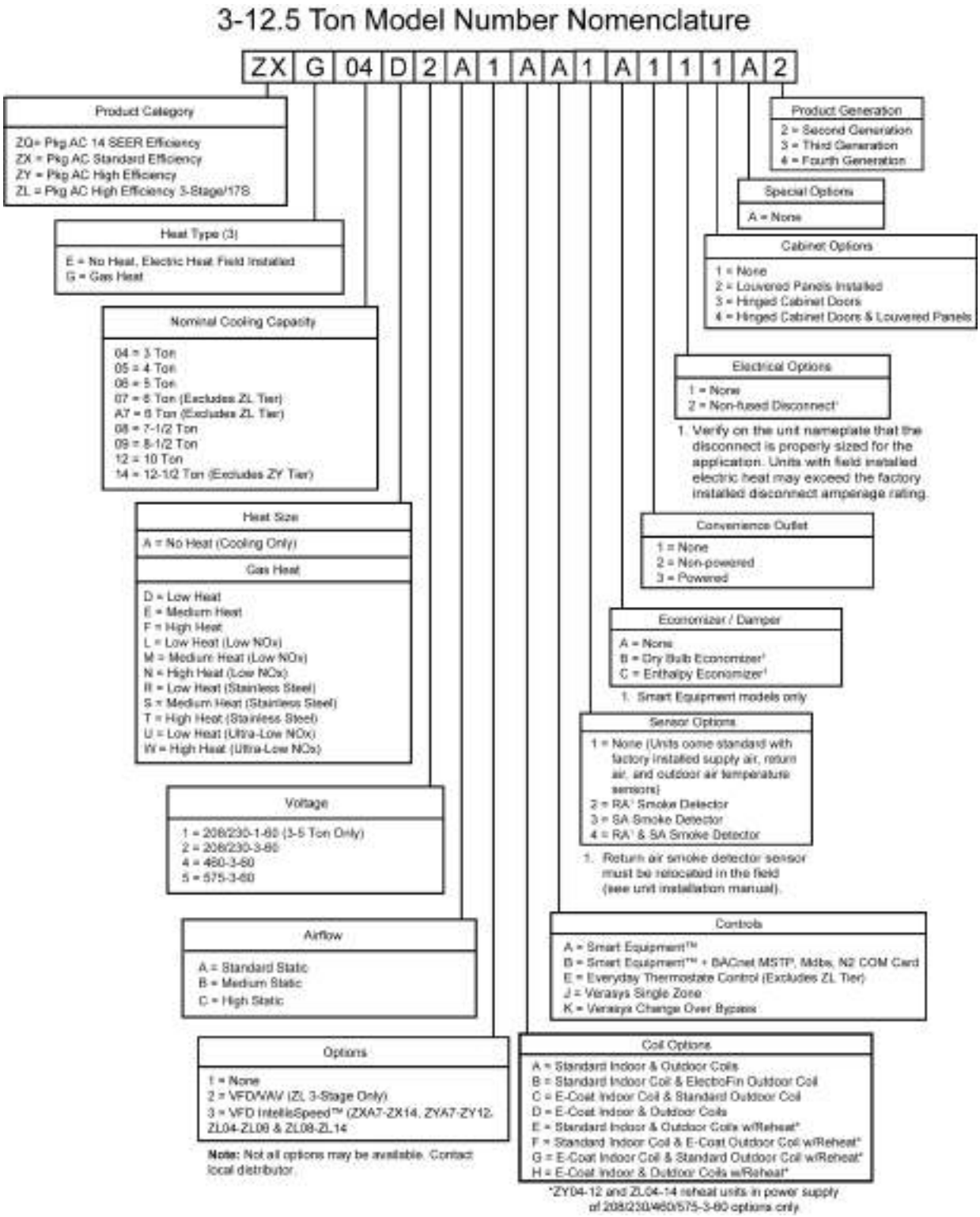
FDD (Fault Detection and Diagnostics), **refrigerant side** - A modification shop offering for an additional installed control system for commercial equipment that constantly monitors refrigerant circuit pressures, refrigerant circuit temperatures, the environmental temperatures and humidity using multiple sensor inputs.

Field installed accessories

- **Down flow economizers/horizontal economizers (with barometric relief)** - All units offer a variety of field installed economizers that are installed and wired with AMCA 511 Licensed Class 1A low leak dampers designed to exceed ASHRAE 90.1 and the International Energy Conservation Code (IECC) certification requirements by achieving leakage rates of 3 cfm/sq. ft. at 1 in. of static pressure. Each economizer goes through a rigorous 60,000 cycle test. Dry bulb, single enthalpy, and dual enthalpy (with field installed kit) can be selected. All economizer options are fully integrated into the Smart Equipment™ controls or the Everyday Thermostat Control board. The economizer has spring return, fully modulating damper actuators and is capable of introducing up to 100% outdoor air. As the outdoor air intake dampers open, the return air dampers close. The changeover from mechanical refrigeration to economizer operation is regulated by the outdoor air dry bulb temperature or the outdoor air enthalpy input. The dual enthalpy kit provides a second input used to monitor the return air (field installed). The installer needs only to assemble the outdoor air hood, attach the enthalpy control the hood and mount the hood to the unit (Hood and control are provided).
- **Dry bulb economizer -** Economizer operation is enabled by the outdoor air temperature being less than the setpoint of the economizer module.
- **Single enthalpy control, accessory for economizer -** All field installed economizers will come standard as a dry bulb economizer. This kit adds an outdoor air enthalpy sensor which enables economizer operation if the outdoor enthalpy is less than the setpoint of the economizer logic module.
- **Dual enthalpy control, accessory for economizer -** All field installed economizers will come standard as a dry bulb economizer. This kit adds an outdoor air enthalpy sensor and return air enthalpy sensor which enables economizer operation if the outdoor enthalpy is less than the setpoint of the economizer logic module.
- **Power exhaust -** This accessory installs in the unit with a down flow economizer or in the ductwork for a horizontal application.
- **Louvered hail guard -** This kit includes a decorative louvered panel which installs over the outside condenser coil and prevents damage to the coil fins from hail strikes.
- **Flue exhaust extension kit -** In locations where wind or weather conditions may interfere with proper exhausting of furnace combustion products, this kit can be installed to prevent the flue exhaust from entering nearby fresh air intakes.
- **Propane conversion kit -** This kit converts a gas heat unit to operate with propane gas at altitudes up to 2,000 feet (except Ultra-Low NOX (ULN) models).
- **Gas heat high altitude kit -** This kit converts a gas heat unit to operate at high altitudes, 2,000 ft to 10,000 ft. Conversion kits are available for natural gas and propane (except Ultra-Low NOX (ULN) models).
- **Roof curbs -** The roof curbs have insulated decks and are shipped disassembled. The roof curbs are available in 14 and 24 heights.
- **Thermostat -** The units are designed to operate with 24-V electronic and electro-mechanical thermostats. All 7.5 ton through 12.5 ton units operate with two-stage heat/ two-stage cool or two-stage cooling only thermostats and two-stage heat / three-stage cool on ZL tier products, depending upon unit configuration.
- **Smoke detectors -** The smoke detectors stop operation of the unit by interrupting power and providing a fault message to the control board if smoke is detected within the air compartment. Smoke detectors are available for both the supply and/or return air configurations.
- **Hinged filter access panel for use with horizontal flow economizer -** Allows hinged access to the filter section when used with a horizontal economizer.

- **Low ambient head pressure control kit -** The Electronic Low Ambient Controller is designed to regulate condenser head pressure at low ambient temperatures by varying the amount of airflow through the condenser.
- **Manual outdoor air damper -** Like the motorized outdoor air damper, each manual outdoor air damper includes a slide-in damper assembly with an outdoor air hood and filters. Customers have a choice of dampers with ranges of 0% to 100% or 0% to 35% outdoor air entry.
- **Thru the base connection -** Kits are available to provide a way to route wiring to the unit through the base of the unit and gas supplied to the unit through the base or through the curb. These kits provide a seal tight way to bring power and gas to the unit without additional roof penetrations.
- **Electric heat (field installed option only) -** Select heater sizes for 3 ton to 12.5 ton units available. Necessary hardware and connectors are included with the heaters.

Nomenclature



Accessories

Table 1: Accessories

Accessory kit number	Description	Where used	Voltage
2EE04706725	Econ, DB, vertical flow, small footprint with barometric relief with ETC	ZY04, ZY05, ZY06, ZQ04, ZQ5, ZQ06, ZXA7	All
2EE04706825	Econ, DB, vertical flow, large footprint with barometric relief with ETC	ZYA7, ZY08, ZY09, ZY12	All
2EE04707025	Econ, DB, horizontal flow, small footprint, short cabinet with barometric relief with ETC	ZY04, ZQ04, ZQ05	All
2EE04707125	Econ, DB, horizontal flow, small footprint, tall cabinet with barometric relief with ETC	ZXA7, ZY05, ZY06, ZQ06	All
2EE04707225	Econ, DB, horizontal flow, large footprint, short cabinet with barometric relief with ETC	ZYA7	All
2EE04707325	Econ, DB, horizontal flow, large footprint, tall cabinet with barometric relief with ETC	ZY08, ZY09, ZY12	All
2EE04706724	Econ, DB, vertical flow, small footprint with SE	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ5, ZQ06, ZXA7	All
2EE04706824	Econ, DB, vertical flow, large footprint with SE	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
2EE04707024	Econ, DB, horizontal flow, small footprint, short cabinet with SE	ZL04, ZY04, ZQ04, ZQ05	All
2EE04707124	Econ, DB, horizontal flow, small footprint, tall cabinet with SE	ZL05, ZL06, ZX07, ZXA7, ZY05, ZY06, ZQ06	All
2EE04707224	Econ, DB, horizontal flow, large footprint, short cabinet with SE	ZYA7	All
2EE04707324	Econ, DB, horizontal flow, large footprint, tall cabinet with SE	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1FA0415	Manual outside air damper 0-35%	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
1FA0416	Manual outside air damper 0-35%	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1FA0417	Manual outside air damper 0-100%	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
1FA0418	Manual outside air damper 0-100%	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
2MD04704424	0-35% motorized outside air damper	ZXA7, ZQ04-06, ZY04-06, ZL04-06,	All
2MD04704524	0-35% motorized outside air damper	ZYA7-ZY12	All
2MD04704224	Motorized outside air damper 0-100%	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZXA7	All
2MD04704324	Motorized outside air damper 0-100%	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
2EC0401	Kit, single enthalpy field installed	All	All
2EC0402	Kit, dual enthalpy field installed	All	All
1HD0401	Hinged filter access panel for units with a horizontal economizer	ZQ04, ZQ05, ZY04, ZL04	All
1HD0402	Hinged filter access panel for units with a horizontal economizer	ZQ06, ZL05, ZL06, ZY05, ZY06, ZXA7	All
1HD0403	Hinged filter access panel for units with a horizontal economizer	ZYA7	All
1HD0404	Hinged filter access panel for units with a horizontal economizer	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1HG0419	Hail guard kit small footprint, short cabinet	ZY04, ZL04, ZQ04, ZQ05	All
1HG0420	Hail guard kit small footprint, tall cabinet	ZL05, ZL06, ZY05, ZY06, ZQ06, ZXA7	All
1HG0423	Hail guard kit large footprint, short cabinet	ZYA7	All

Table 1: Accessories

Accessory kit number	Description	Where used	Voltage
1HG0424	Hail guard kit large footprint, tall cabinet	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1RC0456	Curb rigid 14 in. small footprint	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
1RC0457	Curb rigid 14 in. large footprint	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1RC0458	Curb rigid 24 in. small footprint	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
1RC0459	Curb rigid 24 in. large footprint	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
2PE04704206	Power exhaust vertical flow small footprint 208 V to 230 V 1-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-1-60
2PE04704225	Power exhaust vertical flow small footprint 208 V to 230 V 3-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-3-60
2PE04704246	Power exhaust vertical flow small footprint 460 V 3-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	460-3-60
2PE04704258	Power exhaust vertical flow small footprint 575 V 3-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	575-3-60
2PE04704306	Power exhaust vertical flow large footprint 208 V to 230 V 1-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-1-60
2PE04704325	Power exhaust vertical flow large footprint 208 V to 230 V 3-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-3-60
2PE04704346	Power exhaust vertical flow large footprint 460 V 3-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	460-3-60
2PE04704358	Power exhaust vertical flow large footprint 575 V 3-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	575-3-60
2PE04704406	Power exhaust horizontal flow small footprint 208 V to 230 V 1-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-1-60
2PE04704425	Power exhaust horizontal flow small footprint 208 V to 230 V 3-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-3-60
2PE04704446	Power exhaust horizontal flow small footprint 460 V 3-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	460-3-60
2PE04704458	Power exhaust horizontal flow small footprint 575 V 3-ph	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	575-3-60
2PE04704506	Power exhaust horizontal flow large footprint 208 V to 230 V 1-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-1-60
2PE04704525	Power exhaust horizontal flow large footprint 208 V to 230 V 3-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-3-60
2PE04704546	Power exhaust horizontal flow large footprint 460 V 3-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	460-3-60
2PE04704558	Power exhaust horizontal flow large footprint 575 V 3-ph	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	575-3-60
1HA0454	High altitude kit for natural gas (2,000-10,000 ft) **Note:** Not for use with Ultra-Low NOx (ULN) models	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7 - Low, Med, High Heat ZYA7 - Low Heat	All
1HA0455	High altitude kit for natural gas (2,000-10,000 ft)	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14 - Low, Med, High Heat ZYA7 - Med, High Heat	All
1NP0456	Propane conversion kit. **Note:** Not for use with low NOx or Ultra-Low NOx (ULN) models	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7 - Low, Med, High Heat ZYA7 - Low Heat	All
1NP0457	Propane conversion kit	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14 - Low, Med, High Heat ZYA7 - Med, High Heat	All

Table 1: Accessories

Accessory kit number	Description	Where used	Voltage
1HA0458	High altitude kit for propane (2,000-10,000 ft) **Note:** Not for use with low NOx or Ultra-Low NOx (ULN) models	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7 - Low, Med, High Heat ZYA7 - Low Heat	All
1HA0459	High altitude kit for propane (2,000-10,000 ft)	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14 - Low, Med, High Heat ZYA7 - Med, High Heat	All
1FE0414	Flue exhaust kit	ZLG04, ZYG04, ZQG04, ZQG05	All
1FE0415	Flue exhaust kit	ZXGA7, ZLG05, ZLG06, ZYG05, ZYG06, ZYGA7, ZQG06	All
1FE0416	Flue exhaust kit	ZYG08, ZYG09, ZYG12, ZL08, ZL09, ZL12, ZL14	All
1HS0401	Flue heat shield accessory	ZQ04, ZQ05, ZQ06, ZXA7, ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
2EK04510625	6.5 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-(1 or 3)-60
2EK04510646	6.0 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	460-3-60
2EK04510725	6.5 kW electric heat	ZYA7	208/230-3-60
2EK04510746	6.0 kW electric heat	ZYA7	460-3-60
2EK04511058	9.2 kW electric heat	ZL04, ZL05, ZY04, ZY05, ZQ04, ZQ05	575-3-60
2EK04511125	10.5 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-(1 or 3)-60
2EK04511146	11.5 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	460-3-60
2EK04511458	13.8 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06	575-3-60
2EK04511446	14 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	460-3-60
2EK04511625	16 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-3-60
2EK04511725	16 kW electric heat	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-3-60
2EK04511746	16.5 kW electric heat	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	460-3-60
2EK04511758	17 kW electric heat	ZYA7, ZY08, ZY09, ZL08, ZL09, ZL14	575-3-60
2EK04512358	23 kW electric heat	ZL06, ZX06, ZY06, ZQ06	575-3-60
2EK04510625	6.5 kW electric heat	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	208/230-(1 or 3)-60
2EK04512525	24.8 kW electric heat	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-3-60
2EK04512646	25.5kW electric heat	ZYA7	460-3-60
2EK04512658	25.7kW electric heat	ZYA7	575-3-60
2EK04512846	27.8 kW electric heat	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	460-3-60
2EK04513225	32 kW electric heat	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-3-60
2EK04513346	33 kW electric heat	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	460-3-60
2EK04513458	34 kW electric heat	ZY08, ZY09, ZL08, ZL09, ZL14	575-3-60
2EK04514225	42.4 kW electric heat	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	208/230-3-60
2EK04514246	41.7 kW electric heat	ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	460-3-60

Table 1: Accessories

Accessory kit number	Description	Where used	Voltage
2LA04704725	Low ambient accessory kit	ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06	208 V/230 V-1-60 or 208 V/230 V-3-60
2LA04704746	Low ambient accessory kit	ZY04, ZY05, ZYA7, ZQ04, ZQ05, ZQ06	460 V-3-60
2LA04704758	Low ambient accessory kit	ZY04, ZY05, ZY08, ZQ04, ZQ05, ZQ06	575 V-3-60
2LA04704825	Low ambient accessory kit	ZYA7, ZY08, ZY09, ZL08, ZL09	208 V/230 V-1-60 or 208 V/230 V-3-60
2LA04704846	Low ambient accessory kit	ZYA7, ZY08, ZY09, ZL08, ZL09	460 V-3-60
2LA04704858	Low ambient accessory kit	ZYA7, ZY08, ZY09, ZL08, ZL09	575 V-3-60
2LA04704925	Low ambient accessory kit	ZY12, ZL12, ZL14	208 V/230 V-3-60
2LA04704946	Low ambient accessory kit	ZY12, ZL12, ZL14	460 V-3-60
2LA04704958	Low ambient accessory kit	ZY12, ZL12, ZL14	575 V-3-60
2SD04701224	Supply air stream smoke detector	ZXA7, ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZYA7, ZY08, ZY09, ZY12, ZQ04, ZQ05, ZQ06, ZL08, ZL09, ZL12, ZL14	All
2SD04701124	Return air stream smoke detector	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
2SD04701424	Return air stream smoke detector	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
2SD04701324	Combination supply and return air stream smoke detector	ZY04, ZY05, ZY06, ZL04, ZL05, ZL06, ZQ04, ZQ05, ZQ06, ZXA7	All
2SD04701624	Combination supply and return air stream smoke detector	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1TB0401	Small footprint through the base electrical and through the curb gas	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
1TB0402	Large footprint through the base electrical and through the curb gas	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1TB0403	Small footprint through the base electrical and gas	ZL04, ZL05, ZL06, ZY04, ZY05, ZY06, ZQ04, ZQ05, ZQ06, ZXA7	All
1TB0404	Large footprint through the base electrical and gas	ZYA7, ZY08, ZY09, ZY12, ZL08, ZL09, ZL12, ZL14	All
1LD0420	High speed drive kit	ZQ05	3-phase only

AHRI cooling rating table

Table 2: AHRI cooling rating table

Unit	Cooling stages	Nom. cooling capacity (tons)	Net cooling capacity (MBH)	Total power (kW)	SEER	SEER2	EER/EER2 (cooling only)	EER/ EER2 (A/C with gas heat)	IEER (A/C with gas heat/ cooling only)	IEER with Intelli *Speed* (cooling only)	IEER with Intelli *Speed* (gas heat)
ZQ04	1	3	34.6	2.9	14.0	13.4	12.2/11.7	12.2/11.7	—	—	—
ZQ05	1	4	47.0	4.1	14.0	13.4	12.0/11.3	12.0/11.3	—	—	—
ZQ06	1	5	58.0	5.0	14.1	13.4	12.1/11.5	12.1/11.5	—	—	—
ZXA7	2	6	67.0	6.0	—	—	11.2	11.0	—	14.8	14.8
ZY04	1	3	36.0	2.9	15.0	14.5	12.0/12.0	12.0/12.0	—	—	—
ZY05	1	4	49.0	4.0	15.4	14.5	12.0/12.0	12.0/12.0	—	—	—
ZY06	1	5	56.0	4.5	15.0	14.3	12.0/12.0	12.0/12.0	—	—	—
ZYA7	2	6	71.0	5.89	—	—	12.2	12.0	14.8/14.6	16.0	16.0
ZY08	2	7.5	89.0	7.4	—	—	12.2	12.0	—	14.8	14.6
ZY09	2	8.5	98.0	7.3	—	—	12.2	12.0	—	14.8	14.6
ZY12	2	10.0	116.0	8.9	—	—	12.2	12.0	—	14.8	14.6
ZL04[1]	2	3	34.8	2.8	17.2	16.0	13.2/12.2	13.2/12.2	—	—	—
ZL05[1]	2	4	48.0	3.9	17.1	16.5	12.7/12.2	12.7/12.2	—	—	—
ZL06[1]	2	5	58.5	4.8	17.0	16.0	12.8/12.0	12.8/12.0	—	—	—
ZL08	3	7.5	89.0	7.4	—	—	12.2	12.0	—	15.8	15.6
ZL09	3	8.5	98.0	8.0	—	—	12.2	12.0	—	16.3	16.1
ZL12	3	10.0	116.0	9.6	—	—	12.2	12.0	—	15.6	15.4
ZL14	3	12.5	135.0	11.9	—	—	11.2	11.0	—	14.9	14.7

1 208/230V & 460V direct drive units

Table 3: AHRI cooling ratings for two-stage cooling with multistage direct blower

Voltage	Model	Tonnage	Cooling stage	KW	SEER/ SEER2	EER/EER2	AHRI capacity	Blower type
230 V/460 V	ZL04	3	2	2.8	17.2/16.0	13.2/12.2	34,800	Multistage direct
	ZL05	4	2	3.9	17.1/16.5	12.7/12.2	48,000	Multistage direct
	ZL06	5	2	4.8	17.0/16.0	12.8/12.0	58,500	Multistage direct
575 V	ZL04	3	2	2.8	16.5	12.8	36,000	Multistage direct
	ZL05	4	2	3.8	16	12.5	47,000	Multistage direct
	ZL06	5	2	4.8	15.6	12.2	58,500	Multistage direct

Table 4: AHRI cooling ratings: Two-stage cooling with belt drive and VFD blower

Voltage	Model	Tonnage	Cooling stage	KW	SEER/SEER2	EER/EER2	AHRI capacity	Blower type
230 V/460 V	ZL04	3	2	3.0	16.0/14.0	12.5/11.2	34,000	Belt drive +VFD
	ZL05	4	2	4.2	15.6/15.0	12.0/11.5	47,500	Belt drive +VFD
	ZL06	5	2	4.9	15.8/14.8	12.4/11.5	58,000	Belt drive +VFD
575 V	ZL04	3	2	3.0	15.1	12.2	36,000	Belt drive +VFD
	ZL05	4	2	4.2	14.4	11.2	47,000	Belt drive +VFD
	ZL06	5	2	4.9	14.9	11.9	58,000	Belt drive +VFD

AHRI 270 outdoor sound power levels

Table 5: Outdoor sound power levels

Size (ton)	Sound rating[1] dB(A)	Octave bands (Hz)							
		63	125	250	500	1000	2000	4000	8000
ZQ04 (3)	81	79.0	83.0	77.5	76.0	76.0	76.0	71.0	66.5
ZQ05 (4)	79	81.5	84.0	78.0	75.0	74.0	69.5	66.0	61.5
ZQ06 (5)	80	85.0	83.0	77.0	76.0	76.5	72.0	67.5	65.5
ZXA7 (6)	79	84.0	82.0	77.0	75.0	74.5	71.0	66.5	63.0
ZY04 (3)	79	81.0	86.5	77.0	76.0	75.0	70.5	66.5	63.5
ZY05 (4)	79	84.0	83.0	76.0	75.0	74.0	70.0	66.0	63.5
ZY06 (5)	79	83.0	83.0	76.0	75.0	75.0	69.5	66.0	63.0
ZY08 (7.5)	81	87.0	81.5	80.0	78.0	76.5	72.0	67.0	63.0
ZY09 (8.5)	83	92.0	87.0	81.0	80.5	79.0	74.0	69.0	66.0
ZY12 (10)	84	89.5	86.5	82.5	81.0	79.0	75.5	73.5	69.5
ZL04 (3)	75	76.5	80.0	74.5	71.0	71.0	65.0	63.5	63.0
ZL05 (4)	76	83.0	79.0	74.5	72.0	73.0	66.5	62.0	59.5
ZL06 (5)	78	84.0	84.5	76.5	75.5	73.5	68.5	65.0	60.5
ZL08 (7.5)	82	85.0	85.5	79.5	78.5	77.5	72.5	68.0	64.0
ZL09 (8.5)	82	88.5	83.0	81.0	79.0	78.0	73.5	69.0	65.5
ZL12 (10)	86	82.0	88.5	85.0	82.5	80.5	76.0	73.5	69.5
ZL14 (12.5)	86	84.0	88.5	84.5	83.5	81.0	76.5	73.5	69.5

1 Rated in accordance with AHRI 270-2015.

Physical data

ZQ04 to ZQ06 physical data

Table 6: ZQ04 physical data

Component		Models						Models
		ZQG04						ZQE04
Nominal tonnage		3						3
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	35,600						35,600
	AHRI net capacity (BTU)	34,600						34,600
	EER/EER2	12.2/11.7						12.2/11.7
	SEER	14						14
	SEER2	13.4						13.4
	Nominal cfm	1,200						1,200
	System power (kW)	2.9						2.9
	Refrigerant type	R-410A						R-410A
	Refrigerant charge (lb-oz)							
	System 1	3-6						3-6
	System 2	-						-
AHRI heating performance single-phase	Heating option	L	D	—	M	E	—	-
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	-
	First stage heat input (kBTU)	-	-	—	-	-	—	-
	Second stage heat input (kBTU)	56	70	—	90	112	—	-
	First stage heat output (kBTU)	-	-	—	-	-	—	-
	Second stage heat output (kBTU)	45	56	—	72	90	—	-
	AFUE %	-	-	—	-	81	—	-
	FER compliant	-	-	—	-	Yes	—	-
	Number of burners	2	2	—	3	3	—	-
	Number of stages	1	1	—	1	1	—	-
	Temperature rise range (°F)	10-40	20-50	—	35-65	50-80	—	-
	Gas limit setting (°F)	150	150	—	140	140	—	-
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	-
AHRI heating performance three-phase	Heating option	L	D	U	M	E	W	-
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low Nox)	Med (Low NOx)	Med	High (Ultra-Low Nox)	-
	First stage heat input (kBTU)	-	-	—	-	82	—	-
	Second stage heat input (kBTU)	56	70	60	90	112	100	-
	First stage heat output (kBTU)	-	-	—	-	66		-
	Second stage heat output (kBTU)	45	56	48	72	90	80	-
	Steady state efficiency (%)	80	80	80	80	80	80	-
	Number of burners	2	2	1	3	3	1	-
	Number of stages	1	1	1	1	2	1	-
	Temperature rise range (°F)	28-46	35-58	20-50	44-74	55-78	45-75	-
	Gas limit setting (°F)	150	150	150	140	140	170	-
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	-
Dimensions (in.)	Length	74.1						74.1
	Width	48.9						48.9
	Height	32.5						32.5
Operating weight (lb)		498						450
Compressors	Type	Scroll						Scroll
	Quantity	1						1
	Unit capacity steps (%)	100						100
Condenser coil data	Face area (sq ft)	16.3						16.3
	Rows	1						1
	Fins per in.	23						23
	Tube diameter (in./mm)	0.63/16						0.63/16
	Circuitry type	2-pass Microchannel						2-pass Microchannel

Table 6: ZQ04 physical data

Component		Models		Models	
		ZQG04		ZQE04	
Nominal tonnage		3		3	
Evaporator coil data	Face area (sq ft)	5.5		5.5	
	Rows	2		2	
	Fins per in.	15		15	
	Tube diameter	0.375		0.375	
	Circuitry type	Intertwined		Intertwined	
	Refrigerant control	Orifice		Orifice	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/4		1/4	
	Number of speeds	1		1	
	rpm	1,100		1,100	
	Nominal total cfm	3,800		3,800	
Evaporator fan data - Direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan size (in.)	10 x 10		10 x 10	
	Type	Centrifugal		Centrifugal	
	Motor hp	3/4		3/4	
	Motor rpm	1,050		1,050	
Evaporator fan data - Belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan Size (in.)	10 x 10	10 x 10	10 x 10	10 x 10
	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A39	A40	A39	A40
	Motor hp, 1-phase	1.5	--	1.5	--
	Frame size, 1-phase	56 Hz	--	56 Hz	--
	Motor hp, 3-phase	2.4	2.4	2.4	2.4
	Frame size, 3-phase	56Y	56Y	56Y	56Y
	Motor rpm	1,725	1,725	1,725	1,725
Filters	Quantity - size	2 - (16 x 25 x 2)[1]		2 - (16 x 25 x 2)[1]	

1 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

Table 7: ZQ05 physical data

Component		Models								Models
		ZQG05								ZQE05
Nominal tonnage		4								4
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	49,500								49,500
	AHRI net capacity (BTU)	47,000								47,000
	EER/EER2	12.0/11.3								12.0/11.3
	SEER	14								14
	SEER2	13.4								13.4
	Nominal cfm	1,575								1,575
	System power (kW)	4.1								4.1
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	4-6								4-6
	System 2	-								-
AHRI heating performance single-phase	Heating option	L	D	—	M	E	—	N	F	
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	High, (Low NOx)	High	
	First stage heat input (kBTU)	-	-	—	-	-	—	-	-	
	Second stage heat input (kBTU)	56	70	—	90	112	—	116	142	
	First stage heat output (kBTU)	-	-	—	-	-	—	-	-	
	Second stage heat output (kBTU)	45	56	—	72	90	—	93	114	
	AFUE %	-	-	—	-	81	—	-	-	
	FER compliant	-	-	—	-	Yes	—	-	-	
	Number of burners	2	2	—	3	3	—	3	3	
	Number of stages	1	1	—	1	1	—	1	1	
	Temperature rise range (°F)	05-35	15-45	—	25-55	40-70	—	35-65	45-75	
	Gas limit setting (°F)	150	150	—	140	140	—	150	145	
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	1/2	1/2	
AHRI heating performance three-phase	Heating option	L	D	U	M	E	W	N	F	
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low NOx)	Med (Low NOx)	Med	High (Ultra-Low NOx)	High, (Low NOx)	High	
	First stage heat input (kBTU)	-	-	—	-	-	—	-	100	
	Second stage heat input (kBTU)	56	70	60	90	112	100	118	145	
	First stage heat output (kBTU)	-	-	—	-	-	—	-	80	
	Second stage heat output (kBTU)	45	56	48	72	90	80	94	116	
	Steady state efficiency (%)	80	80	80	80	80	80	80	80	
	Number of burners	2	2	1	3	3	1	3	3	
	Number of stages	1	1	1	1	1	1	1	2	
	Temperature rise range (°F)	21-35	26-43	20-50	33-56	41-69	30-60	44-73	49-77	
	Gas limit setting (°F)	150	150	150	140	140	160	150	145	
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	
Dimensions (in.)	Length	74.1								74.1
	Width	48.9								48.9
	Height	32.5								32.5
Operating weight (lb)		538								487
Compressors	Type	Scroll								Scroll
	Quantity	1								1
	Unit capacity steps (%)	100								100
Condenser coil data	Face area (sq ft)	16.3								16.3
	Rows	1								1
	Fins per in.	23								23
	Tube diameter (in./mm)	.63/16								.63/16
	Circuitry type	2-pass Microchannel								2-pass Microchannel
Evaporator coil data	Face area (sq ft)	5.5								5.5
	Rows	3								3
	Fins per in.	15								15
	Tube diameter	0.375								0.375
	Circuitry type	Intertwined								Intertwined
	Refrigerant control	Orifice								Orifice

Table 7: ZQ05 physical data

Component		Models		Models	
		ZQG05		ZQE05	
Nominal tonnage		4		4	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/4		1/4	
	Number of speeds	1		1	
	rpm	1,100		1,100	
	Nominal total cfm	3,800		3,800	
Evaporator fan data - Direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan Size (in.)	10 x 10		10 x 10	
	Type	Centrifugal		Centrifugal	
	Motor hp	1		1	
	Motor rpm	1,050		1,050	
Evaporator fan data - Belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	10 x 10	10 x 10	10 x 10	10 x 10
	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A39	A40	A39	A40
	Motor hp, 1-phase	1.5	--	1.5	--
	Frame size, 1-phase	56 Hz	--	56 Hz	--
	Motor hp, 3-phase	2.4	2.4	2.4	2.4
	Frame size, 3-phase	56Y	56Y	56Y	56Y
	Motor rpm	1,725	1,725	1,725	1,725
Filters	Quantity - size	2 - (16 x 25 x 2)[1]		2 - (16 x 25 x 2)[1]	

1 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

Table 8: ZQ06 physical data

Component		Models								Models
		ZQG06								ZQE06
Nominal tonnage		5								5
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	60,500								60,500
	AHRI net capacity (BTU)	58,000								58,000
	EER/EER2	12.1/11.5								12.1/11.5
	SEER	14.1								14.1
	SEER2	13.4								13.4
	Nominal cfm	1,800								1,800
	System power (kW)	5.0								5.0
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)	—								—
	System 1	5-10								5-10
	System 2	—								—
AHRI heating performance single-phase	Heating option	L	D	—	M	E	—	N	F	—
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	High, (Low NOx)	High	—
	First stage heat input (kBTU)	—	—	—	—	—	—	—	—	—
	Second stage heat input (kBTU)	56	70	—	90	112	—	116	142	—
	First stage heat output (kBTU)	—	—	—	—	—	—	—	—	—
	Second stage heat output (kBTU)	45	56	—	72	90	—	93	114	—
	AFUE %	—	—	—	—	81	—	—	—	—
	FER compliant	—	—	—	—	Yes	—	—	—	—
	Number of burners	2	2	—	3	3	—	3	3	—
	Number of stages	1	1	—	1	1	—	1	1	—
	Temperature rise range (°F)	05-35	10-40	—	15-45	30-60	—	30-60	40-70	—
	Gas limit setting (°F)	150	150	—	140	140	—	145	140	—
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	1/2	1/2	—
AHRI heating performance three-phase	Heating option	L	D	U	M	E	W	N	F	—
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low NOx)	Med (Low NOx)	Med	High (Ultra-Low NOx)	High, (Low NOx)	High	—
	First stage heat input (kBTU)	—	—	—	—	—	—	—	100	—
	Second stage heat input (kBTU)	56	70	60	90	112	100	118	145	—
	First stage heat output (kBTU)	—	—	—	—	—	—	—	80	—
	Second stage heat output (kBTU)	45	56	48	72	90	80	94	116	—
	Steady state efficiency (%)	80	80	80	80	80	80	80	80	—
	Number of burners	2	2	1	3	3	1	3	3	—
	Number of stages	1	1	1	1	1	1	1	2	—
	Temperature rise range (°F)	17-28	21-35	10-40	27-44	33-55	25-55	35-58	43-72	—
	Gas limit setting (°F)	150	150	150	140	140	160	145	140	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1								74.1
	Width	48.9								48.9
	Height	40.6								40.6
Operating weight (lb)		610								561
Compressors	Type	Scroll								Scroll
	Quantity	1								1
	Unit capacity steps (%)	100								100
Condenser coil data	Face area (sq ft)	21.1								21.1
	Rows	1								1
	Fins per in.	23								23
	Tube diameter (in./mm)	.71/18								.71/18
	Circuitry type	2-pass Microchannel								2-pass Microchannel

Table 8: ZQ06 physical data

Component		Models		Models	
		ZQG06		ZQE06	
Nominal tonnage		5		5	
Evaporator coil data	Face area (sq ft)	7.3		7.3	
	Rows	3		3	
	Fins per in.	15		15	
	Tube diameter	0.375		0.375	
	Circuitry type	Intertwined		Intertwined	
	Refrigerant control	Orifice		Orifice	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/2		1/2	
	Number of speeds	1		1	
	rpm	1,085		1,085	
	Nominal total cfm	4,500		4,500	
Evaporator fan data - Direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan size (in.)	11 x 10		11 x 10	
	Type	Centrifugal		Centrifugal	
	Motor hp	1		1	
	Motor rpm	1,050		1,050	
Evaporator fan data - Belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	11 x 10	11 x 10	11 x 10	11 x 10
	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A37	A39	A37	A39
	Motor hp, 1-phase	1.5	--	1.5	--
	Frame size, 1-phase	56 Hz	--	56 Hz	--
	Motor hp, 3-phase	2.4	2.9	2.4	2.9
	Frame size, 3-phase	56Y	56 Hz	56Y	56 Hz
	Motor rpm	1,725	1,725	1,725	1,725
Filters	Quantity - size	4 - (16 x 16 x 2)[1]		4 - (16 x 16 x 2)[1]	

1 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

ZXA7 physical data

Table 9: ZXA7 physical data

Component		Models			
		ZXGA7			ZXEA7
Nominal tonnage		6			6
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	70,000			70,000
	AHRI net capacity (BTU)	67,000			67,000
	EER	11.0			11.2
	SEER	—			-
	IEER IntelliSpeed	14.8			14.8
	Nominal cfm	2,200			2,200
	System power (kW)	6.0			6.0
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	7-4			7-4
	System 2				
AHRI heating performance	Heating option	D	E	F	—
	Heating model	Low	Med	High	—
	First stage heat input (kBTU)	—	—	100	—
	Second stage heat input (kBTU)	70	114	145	—
	First stage heat output (kBTU)	—	—	80	—
	Second stage heat output (kBTU)	56	91	116	—
	AFUE %	—	—	—	—
	Steady state efficiency (%)	80	80	80	—
	Number of burners	2	3	3	—
	Number of stages	1	1	2	—
	Temperature rise range (°F)	17-29	28-47	36-60	—
	Gas limit setting (°F)	150	140	140	—
	Gas piping connection (in.)	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1			74.1
	Width	48.9			48.9
	Height	40.6			40.6
Operating weight (lb)		668			614
Compressors	Type	Scroll			Scroll
	Quantity	1			1
	Unit capacity steps (%)	67/100			67/100
Condenser coil data	Face area (sq ft)	21.1			21.1
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	.79/20			.79/20
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	7.3			7.3
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Condenser fan data	Quantity of fans	1			1
	Fan diameter (in.)	22			22
	Type	Prop			Prop
	Drive type	Direct			Direct
	Quantity of motors	1			1
	Motor hp each	1/2			1/2
	Number of speeds	2			2
	rpm	900 / 1,150			900 / 1,150
	Nominal total cfm	3,600 / 4,600			3,600 / 4,600

Table 9: ZXA7 physical data

Component		Models					
		ZXGA7			ZXEA7		
Nominal tonnage		6			6		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	11 x 10	11 x 10	11 x 10	11 x 10	11 x 10	11 x 10
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
	Blower sheave	AK51	AK51	AK51	AK51	AK51	AK51
	Belt	A39	A40	A41	A39	A40	A41
	Motor max bhp, 3 phase	2.4	2.9	3.7	2.4	2.9	3.7
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56HZ	56Y	56Y	56HZ
Filters	Quantity - size	4 - (16 x 16 x 2)[1]			4 - (16 x 16 x 2)[1]		

1 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

ZY04 to ZY12 physical data

Table 10: ZY04 physical data

Component		Models						
		ZYG04						ZYE04
Nominal tonnage		3						3
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	37,900						37,900
	AHRI net capacity (BTU)	36,000						36,000
	EER/EER2	12.0/12.0						12.0/12.0
	SEER	15						15
	SEER2	14.5						14.5
	Nominal cfm	1,200						1,200
	System power (kW)	2.9						2.9
	Refrigerant type	R-410A						R-410A
	Refrigerant charge (lb-oz)							
	System 1	4-10						4-10
	System 2	—						—
	Refrigerant charge MagnaDRY option (lb-oz) [1]							
	System 1	3-12						3-12
	System 2	—						—
AHRI heating performance single phase	Heating option	L	D	—	M	E	—	—
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	—
	1st stage heat input (kBTU)	—	—	—	—	—	—	—
	2nd stage heat input (kBTU)	56	70	—	90	112	—	—
	1st stage heat output (kBTU)	—	—	—	—	—	—	—
	2nd stage heat output (kBTU)	45	56	—	72	90	—	—
	AFUE %	—	—	—	—	81	—	—
	FER compliant	—	—	—	—	Yes	—	—
	No. burners	2	2	—	3	3	—	—
	No. stages	1	1	—	1	1	—	—
	Temperature rise range (°F)	10-40	20-50	—	35-65	50-80	—	—
	Gas limit setting (°F)	150	150	—	140	140	—	—
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	—

Table 10: ZY04 physical data

Component		Models						
		ZYG04						ZYE04
Nominal tonnage		3						3
AHRI heating performance three phase	Heating option	L	D	U	M	E	W	—
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low Nox)	Med (Low NOx)	Med	High (Ultra-Low Nox)	—
	1st stage heat input (kBTU)	—	49	—	—	82	—	—
	2nd stage heat input (kBTU)	56	70	60	90	112	100	—
	1st stage heat output (kBTU)	—	39	—	—	66	—	—
	2nd stage heat output (kBTU)	45	56	48	72	90	80	—
	Steady state efficiency (%)	80	80	80	80	80	80	—
	No. burners	2	2	1	3	3	1	—
	No. stages	1	2	1	1	2	1	—
	Temperature rise range (°F)	28-46	35-58	20-50	44-74	55-78	45-75	—
	Gas limit setting (°F)	150	150	150	140	140	170	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1						74.1
	Width	48.9						48.9
	Height	32.5						32.5
Operating weight (lb)		527						481
	With MagnaDRY	535						489
Compressors	Type	Scroll						Scroll
	Quantity	1						1
	Unit capacity steps (%)	100						100
Condenser coil data	Face area (sq ft)	16.3						16.3
	Rows	1						1
	Fins per in.	23						23
	Tube diameter (in./mm)	.63/16						.63/16
	Circuitry type	2-pass Microchannel						2-pass Microchannel
Evaporator coil data	Face area (sq ft)	5.5						5.5
	Rows	3						3
	Fins per in.	15						15
	Tube diameter	0.375						0.375
	Circuitry type	Intertwined						Intertwined
	Refrigerant control	TXV						TXV
Reheat option coil data	Face area (sq ft)	3.5						3.5
	Rows	1						1
	Fins per in.	23						23
	Tube diameter (in./mm)	.63/16						.63/16
Condenser fan data	Quantity of fans	1						1
	Fan diameter (in.)	22						22
	Type	Prop						Prop
	Drive type	Direct						Direct
	Quantity of motors	1						1
	Motor hp each	1/4						1/4
	No. speeds	1						1
	rpm	1,100						1,100
	Nominal total cfm	3,800						3,800
Evaporator fan data direct drive	Airflow option	A						A
	Quantity	1						1
	Fan size (in.)	10 x 10						10 x 10
	Type	Centrifugal						Centrifugal
	Motor hp	3/4						3/4
	rpm	1,050						1,050

Table 10: ZY04 physical data

Component		Models			
		ZYG04		ZYE04	
Nominal tonnage		3		3	
Evaporator fan data belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	10 x 10	10 x 10	10 x 10	10 x 10
	Type	Centrifugal		Centrifugal	
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A39	A40	A39	A40
	Motor hp, 1 phase	1.5	—	1.5	—
	Motor Max bhp, 3 phase	2.4	2.4	2.4	2.4
	rpm	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56Y	56Y
Filters	Quantity - size	2 - (16 x 25 x 2)[2]		2 - (16 x 25 x 2)[2]	

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 11: ZY05 physical data

Component		Models								
		ZYG05								ZYE05
Nominal tonnage		4								4
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	51,000								51,000
	AHRI net capacity (BTU)	49,000								49,000
	EER/EER2	12.0/12.0								12.0/12.0
	SEER	15.4								15.4
	SEER2	14.5								14.5
	Nominal cfm	1,600								1,600
	System power (kW)	4.0								4.0
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	6-8								6-8
	System 2	—								—
	Refrigerant charge MagnaDRY[1] option (lb-oz)									
	System 1	6-6								6-6
	System 2	—								—
AHRI heating performance single phase	Heating options	L	D	—	M	E	—	N	F	—
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	High, (Low NOx)	High	—
	1st stage heat input (kBTU)	—	—	—	—	—	—	—	—	—
	2nd stage heat input (kBTU)	56	70	—	90	112	—	116	142	—
	1st stage heat output (kBTU)	—	—	—	—	—	—	—	—	—
	2nd stage heat output (kBTU)	45	56	—	72	90	—	93	114	—
	AFUE %	—	—	—	—	81	—	—	—	—
	FER Compliant	—	—	—	—	Yes	—	—	—	—
	No. burners	2	2	—	3	3	—	3	3	—
	No. stages	1	1	—	1	1	—	1	1	—
	Temperature rise range (°F)	05-35	15-45	—	25-55	40-70	—	35-65	45-75	—
	Gas limit setting (°F)	150	150	—	140	140	—	150	145	—
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	1/2	1/2	—
AHRI heating performance three phase	Heating options	L	D	U	M	E	W	N	F	—
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low Nox)	Med (Low NOx)	Med	High (Ultra-Low Nox)	High, (Low NOx)	High	—
	1st stage heat input (kBTU)	—	49	—	—	82	—	—	100	—
	2nd stage heat input (kBTU)	56	70	60	90	112	100	118	145	—
	1st stage heat output (kBTU)	—	39	—	—	66	—	—	80	—
	2nd stage heat output (kBTU)	45	56	48	72	90	80	94	116	—
	Steady state efficiency (%)	80	80	80	80	80	80	80	80	—
	No. burners	2	2	1	3	3	1	3	3	—
	No. stages	1	2	1	1	2	1	1	2	—
	Temperature rise range (°F)	21-35	26-43	15-45	33-56	41-69	30-60	44-73	49-77	—
	Gas limit setting (°F)	150	150	150	140	140	160	150	145	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1								74.1
	Width	48.9								48.9
	Height	40.6								40.6
Operating weight (lb)		618								564
	With MagnaDRY	628								574
Compressors	Type	Scroll								Scroll
	Quantity	1								1
	Unit capacity steps (%)	100								100
Condenser coil data	Face area (sq ft)	21.1								21.1
	Rows	1								1
	Fins per in.	23								23
	Tube diameter (in./mm)	.79/20								.79/20
	Circuitry type	2-pass Microchannel								2-pass Microchannel

Table 11: ZY05 physical data

Component		Models			
		ZYG05		ZYE05	
Nominal tonnage		4		4	
Evaporator coil data	Face area (sq ft)	7.3		7.3	
	Rows	3		3	
	Fins per in.	15		15	
	Tube diameter	0.375		0.375	
	Circuitry type	Intertwined		Intertwined	
	Refrigerant control	TXV		TXV	
Reheat option coil data	Face area (sq ft)	4.4		4.4	
	Rows	1		1	
	Fins per in.	23		23	
	Tube diameter (in./mm)	.79/20		.79/20	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/4		1/4	
	No. speeds	1		1	
	rpm	1,100		1,100	
	Nominal total cfm	4,000		4,000	
Evaporator fan data direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan size (in.)	10 x 10		10 x10	
	Type	Centrifugal		Centrifugal	
	Motor hp	1		1	
	rpm	1,050		1,050	
Evaporator fan data belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	10 x 10	10 x 10	10 x 10	10 x 10
	Type	Centrifugal		Centrifugal	
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A39	A40	A39	A40
	Motor Hp, 1 phase	1.5	—	1.5	—
	Motor max bhp, 3 Phase	2.4	2.9	2.4	2.9
	rpm	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56Y	56Y
Filters	Quantity - size	4 - (16 x 16 x 2)[2]		4 - (16 x 16 x 2)[2]	

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 12: ZY06 physical data

Component		Models								
		ZYG06								ZYE06
Nominal tonnage		5								5
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	57,300								57,300
	AHRI net capacity (BTU)	56,000								56,000
	EER/EER2	12.0/12.0								12.0/12.0
	SEER	15.0								15.0
	SEER2	14.3								14.3
	Nominal cfm	1,600								1,600
	System power (kW)	4.5								4.5
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	7-10								7-10
	System 2	—								—
	Refrigerant charge MagnaDRY[1] option (lb-oz)									
	System 1	7-4								7-4
	System 2	—								—
AHRI heating performance single phase	Heating options	L	D	—	M	E	—	N	F	—
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	High, (Low NOx)	High	—
	1st stage heat input (kBTU)	—	—	—	—	—	—		—	—
	2nd stage heat input (kBTU)	56	70	—	90	112	—	116	142	—
	1st stage heat output (kBTU)	—	—	—	—	—	—		—	—
	2nd stage heat output (kBTU)	45	56	—	72	90	—	93	114	—
	AFUE %			—		81	—			—
	FER compliant			—		Yes	—			—
	No. burners	2	2	—	3	3	—	3	3	—
	No. stages	1	1	—	1	1	—	1	1	—
	Temperature rise range (°F)	05-35	10-40	—	15-45	30-60	—	30-60	40-70	—
	Gas limit setting (°F)	150	150	—	140	140	—	145	140	—
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	1/2	1/2	—
AHRI heating performance three phase	Heating options	L	D	U	M	E	W	N	F	—
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low Nox)	Med (Low NOx)	Med	High (Ultra-Low Nox)	High, (Low NOx)	High	—
	1st stage heat input (kBTU)	—	49	—	—	82	—	—	100	—
	2nd stage heat input (kBTU)	56	70	60	90	112	100	118	145	—
	1st stage heat output (kBTU)	—	39	—	—	66	—	—	80	—
	2nd stage heat output (kBTU)	45	56	48	72	90	80	94	116	—
	Steady state efficiency (%)	80	80	80	80	80	80	80	80	—
	No. burners	2	2	1	3	3	1	3	3	—
	No. stages	1	2	1	1	2	1	1	2	—
	Temperature rise range (°F)	17-28	21-35	10-40	27-44	33-55	25-55	35-58	43-72	—
	Gas limit setting (°F)	150	150	150	140	140	160	145	140	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1								74.1
	Width	48.9								48.9
	Height	40.6								40.6
Operating weight (lb)		636								582
	With MagnaDRY	646								592
Compressors	Type	Scroll								Scroll
	Quantity	1								1
	Unit capacity steps (%)	100								100
Condenser coil data	Face area (sq ft)	21.1								21.1
	Rows	1								1
	Fins per inch	23								23
	Tube diameter (in./mm)	.79/20								.79/20
	Circuitry type	2-pass Microchannel								2-pass Microchannel

Table 12: ZY06 physical data

Component		Models			
		ZYG06		ZYE06	
Nominal tonnage		5		5	
Evaporator coil data	Face area (sq ft)	7.3		7.3	
	Rows	4		4	
	Fins per in.	15		15	
	Tube diameter	0.375		0.375	
	Circuitry type	Intertwined		Intertwined	
	Refrigerant control	TXV		TXV	
Reheat option coil data	Face area (sq ft)	4.4		4.4	
	Rows	1		1	
	Fins per in.	23		23	
	Tube diameter (in./mm)	.79/20		.79/20	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/2		1/2	
	No. speeds	1		1	
	rpm	1,085		1,085	
	Nominal total cfm	4,600		4,600	
Evaporator fan data direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan size (in.)	11 x 10		11 x 10	
	Type	Centrifugal		Centrifugal	
	Motor hp	1		1	
	rpm	1,050		1,050	
Evaporator fan data belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	11 x 10	11 x 10	11 x 10	11 x 10
	Type	Centrifugal		Centrifugal	
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A37	A39	A37	A39
	Motor Hp, 1 phase	1.5	—	1.5	—
	Motor max bhp, 3 Phase	2.4	2.9	2.4	2.9
	rpm	1,750	1,750	1,750	1,750
	Frame size	56HZ	56Z	56HZ	56Z
Filters	Quantity - size	4 - (16 x 16 x 2)[2]		4 - (16 x 16 x 2)[2]	

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. Throwaway, Standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 13: ZYA7 physical data

Component		Models			
		ZYGA7			ZYEA7
Nominal tonnage		6			6
AHRI cooling performance	Gross Capacity @ AHRI A point (BTU)	73,000			73,000
	AHRI net capacity (BTU)	71,000			71,000
	EER	12			12.2
	CV IEER	14.6			14.8
	IEER IntelliSpeed	16			16
	Nominal cfm	2,350			2,350
	System power (kW)	5.87			5.89
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	7-11			7-11
	System 2	—			—
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	9-0			9-0
	System 2	—			—
AHRI heating performance [2]	Heating Option	D	E	F	—
	Heating model	Low	Med	High	—
	1st stage heat input (kBTU)	57	90	110	—
	2nd stage heat input (kBTU)	72	125	150	—
	1st stage heat output (kBTU)	46	72	88	—
	2nd stage heat output (kBTU)	58	100	120	—
	AFUE %				—
	Steady state efficiency (%)	80	80	80	—
	No. burners	2	3	3	—
	No. stages	2	2	2	—
	Temperature rise range (°F)	18-30	31-51	37-62	—
	Gas limit setting (°F)	140	140	160	—
	Gas piping connection (in.)	1/2	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	40.6			40.6
Operating weight (lb)		899			829
Operating weight with MagnaDRY (lb)		913			843
Compressors	Type	Scroll			Scroll
	Quantity	1			1
	Unit capacity steps (%)	67/100			67/100
Condenser coil data	Face area (sq ft)	21.1			21.1
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	8.9			8.9
	Rows	3			3
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	6.5			6.5
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	.79/20			.79/20
Condenser fan data	Quantity of fans	2			2
	Fan diameter (in.)	22			22
	Type	Prop			Prop
	Drive type	Direct			Direct
	Quantity of motors	2			2
	Motor hp each	1/2			1/2
	No. speeds	1			1
	rpm	1,085			1,085
	Nominal total cfm	7,600			7,600

Table 13: ZYA7 physical data

Component		Models					
		ZYGA7			ZYEA7		
Nominal tonnage		6			6		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
	Blower sheave	AK74	AK74	AK74	AK74	AK74	AK74
	Belt	A47	A48	A48	A47	A48	A48
	Motor Max bhp, 3 phase	2.4	2.9	3.7	2.4	2.9	3.7
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56HZ	56Y	56Y	56HZ
Filters	Quantity - size	4 - (16 x 20 x 2)[3]			4 - (16 x 20 x 2)[3]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 1st Stage 60% of 2nd Stage.
3 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 14: ZY08 physical data

Component		Models			
		ZYG08			ZYE08
Nominal tonnage		7.5			7.5
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	93,000			93,000
	AHRI net capacity (BTU)	89,000			89,000
	EER	12.0			12.2
	IEER IntelliSpeed	14.6			14.8
	Nominal cfm	2,900			2,900
	System power (kW)	7.1			7.1
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-0			6-0
	System 2	6-0			6-0
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	6-4			6-4
	System 2	5-14			5-14
AHRI heating performance three phase	Heating Option	D	E	F	—
	Heating model	Low	Med	High	—
	1st stage heat input (kBTU)	90	125	176	—
	2nd stage heat input (kBTU)	125	180	220	—
	1st stage heat output (kBTU)	72	100	141	—
	2nd stage heat output (kBTU)	100	144	176	—
	Steady state efficiency (%)	80	80	80	—
	No. burners	3	4	5	—
	No. stages	2	2	2	—
	Temperature rise range (°F)	25-41	36-59	43-72	—
	Gas limit setting (°F)	140	150	140	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	48.6			48.6
Operating weight (lb)	—	970			868
Operating weight with MagnaDRY (lb)		985			883
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit capacity steps (%)	50/100			50/100
Condenser coil data	Face area (sq ft)	25.5			25.5
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	6.6			6.6
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
Condenser fan data	Quantity of fans	2			2
	Fan diameter (in.)	22			22
	Type	Prop			Prop
	Drive type	Direct			Direct
	Quantity of motors	2			2
	Motor hp each	1/2			1/2
	No. speeds	1			1
	rpm	1,085			1,085
	Nominal total cfm	8,200			8,200

Table 14: ZY08 physical data

Component		Models					
		ZYG08			ZYE08		
Nominal tonnage		7.5			7.5		
Evap fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
	Blower sheave	AK74	AK74	AK74	AK74	AK74	AK74
	Belt	A47	A48	A50	A47	A48	A50
	Motor max bhp, 3 phase	2.4	2.4	3.7	2.4	2.4	3.7
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56HZ	56Y	56Y	56HZ
Filters	Quantity - size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. Throwaway, Standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 15: ZY09 physical data

Component		Model			
		ZYG09			ZYE09
Nominal tonnage		**8.5**			**8.5**
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	109,500			109,500
	AHRI net capacity (BTU)	98,000			98,000
	EER	12			12.2
	IEER IntelliSpeed	14.6			14.8
	Nominal cfm	3,300			3,300
	System power (kW)	7.30			7.30
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-8			6-8
	System 2	6-0			6-0
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	6-6			6-6
	System 2	6-0			6-0
AHRI heating performance	Heating options	D	E	F	—
	Heating model	Low	Med	High	—
	1st stage heat input (kBTU)	90	125	176	—
	2nd stage heat input (kBTU)	125	180	220	—
	1st stage heat output (kBTU)	72	100	141	—
	2nd stage heat output (kBTU)	100	144	176	—
	AFUE %	—	—	—	—
	Steady state efficiency (%)	80	80	80	—
	No. burners	3	4	5	—
	No. stages	2	2	2	—
	Temperature rise range (°F)	22-36	31-52	38-64	—
	Gas limit setting (°F)	140	150	140	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	48.6			48.6
Operating weight (lb)		980			878
Operating weight with MagnaDRY (lb)		995			893
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit capacity steps (%)	50/100			50/100
Condenser coil data	Face area (sq ft)	25.5			25.5
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	6.6			6.6
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
Condenser fan data	Quantity of fans	2			2
	Fan diameter (in.)	22			22
	Type	Prop			Prop
	Drive type	Direct			Direct
	Quantity of motors	2			2
	Motor hp each	1/2			1/2
	No. speeds	1			1
	rpm	1,085			1,085
	Nominal total cfm	8,600			8,600

Table 15: ZY09 physical data

Component		Model					
		ZYG09			ZYE09		
Nominal tonnage		8.5			8.5		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
	Blower sheave	AK74	AK74	AK74	AK74	AK74	AK74
	Belt	A47	A48	A50	A47	A48	A50
	Motor Max bhp, 3 phase	2.4	2.4	3.7	2.4	2.4	3.7
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56HZ	56Y	56Y	56HZ
Filters	Quantity - size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 16: ZY12 physical data

Component		Model			
		ZYG12			ZYE12
Nominal tonnage		10			10
AHRI cooling performance	Gross capacity @ AHRI A point (BTU)	120,000			120,000
	AHRI net capacity (BTU)	116,000			116,000
	EER	12.0			12.2
	IEER IntelliSpeed	14.6			14.8
	Nominal cfm	3,300			3,300
	System power (kW)	9.7			9.7
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-2			6-2
	System 2	6-10			6-10
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	6-8			6-8
	System 2	7-2			7-2
AHRI heating performance	Heating options	D	E	F	—
	Heating model	Low	Med	High	—
	1st stage heat input (kBTU)	125	176	200	—
	2nd stage heat input (kBTU)	180	220	250	—
	1st stage heat output (kBTU)	100	141	162	—
	2nd stage heat output (kBTU)	144	176	203	—
	AFUE %	—	—	—	—
	Steady state efficiency (%)	80	80	81	—
	No. burners	4	5	5	—
	No. stages	2	2	2	—
	Temperature rise range (°F)	27-44	33-54	37-62	—
	Gas limit setting (°F)	150	140	160	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	55.3			55.3
Operating weight (lb)		1,008			902
Operating weight with MagnaDRY (lb)		1,026			920
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit capacity steps (%)	50/100			50/100
Condenser coil data	Face area (sq ft)	24.9			24.9
	Rows	1			1
	Fins per in.	21			21
	Tube diameter (in./mm)	1.26/32			1.26/32
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	8.2			8.2
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
Condenser fan data	Quantity of fans	1			1
	Fan diameter (in.)	30			30
	Type	Prop			Prop
	Drive type	Direct			Direct
	Quantity of motors	1			1
	Motor hp each	1 1/2			1 1/2
	No. speeds	1			1
	rpm	1,140			1,140
	Nominal total cfm	7,700			7,700

Table 16: ZY12 physical data

Component		Model					
		ZYG12			ZYE12		
Nominal tonnage		10			10		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL44	1VP50	1VP56	1VL44	1VP50	1VP56
	Blower sheave	AK79	AK79	BK85	AK79	AK79	BK85
	Belt	A50	A50	BX52	A50	A50	BX52
	Motor max bhp, 3 phase	2.4	3.7	5.25	2.4	3.7	5.25
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56HZ	145TY	56Y	56HZ	145TY
Filters	Quantity - Size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

ZL04 to ZL06 physical data

Table 17: ZL04 physical data

Component		Models						
		ZLG04						ZLE04
Nominal tonnage		3						3
AHRI cooling performance direct drive	Gross capacity at AHRI A point (BTU)	36,300						36,300
	AHRI net capacity (BTU)	34,800						34,800
	EER/EER2 230 V/460 V	13.2/12.2						13.2/12.2
	SEER/SEER2 230 V/460 V	17.2/16.0						17.2/16.0
	EER 575 V	12.8						12.8
	SEER 575 V	16.5						16.5
	Nominal cfm	1,300						1,300
	System power 230 V/460 V (kW)	2.8						2.8
	System power 575 V (kW)	2.8						2.8
	Refrigerant type	R-410A						R-410A
	Refrigerant charge (lb-oz)							
	System 1	4-3						4-3
	System 2	—						—
	Refrigerant charge MagnaDRY[1] option (lb-oz)							
	System 1	4-6						4-6
	System 2	—						—
AHRI cooling performance belt drive	Gross capacity at AHRI A point (BTU)	36,300						36,300
	AHRI net capacity (BTU)	34,000						34,000
	EER/EER2 230 V/460 V	12.5/11.2						12.5/11.2
	SEER/SEER2 230 V/460 V	16.0/14.0						16.0/14.0
	EER 575 V	12.2						12.2
	SEER 575 V	15.1						15.1
	Nominal cfm	1,300						1,300
	System power 230 V/460 V (kW)	3.0						3.0
	System power 575 V (kW)	3.0						3.0
	Refrigerant type	R-410A						R-410A
	Refrigerant charge (lb-oz)							
	System 1	4-3						4-3
	System 2	—						—
	Refrigerant charge MagnaDRY[1] option (lb-oz)							
	System 1	4-6						4-6
	System 2	—						—
AHRI heating performance single phase	Heating option	L	D	—	M	E	—	—
	Heating model	Low (Low NOx)	Low	—	Med (Low NOx)	Med	—	—
	First stage heat input (kBTU)	—	—	—	—	—	—	—
	Second stage heat input (kBTU)	56	70	—	90	112	—	—
	First stage heat output (kBTU)	—	—	—	—	—	—	—
	Second stage heat output (kBTU)	45	56	—	72	90	—	—
	AFUE %	—	—	—	—	81	—	—
	FER compliant	—	—	—	—	Yes	—	—
	Number of burners	2	2	—	3	3	—	—
	Number of stages	1	1	—	1	1	—	—
	Temperature rise range (°F)	10-40	20-50	—	35-65	50-80	—	—
	Gas limit setting (°F)	150	150	—	140	140	—	—
	Gas piping connection (in.)	1/2	1/2	—	1/2	1/2	—	—

Table 17: ZL04 physical data

Component		Models						
		ZLG04						ZLE04
Nominal tonnage		3						3
AHRI heating performance three phase	Heating option	L	D	U	M	E	W	—
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low NOx)	Med (Low NOx)	Med	High (Ultra-Low NOx)	—
	First stage heat input (kBTU)	—	49	—	—	82	—	—
	Second stage heat input (kBTU)	56	70	60	90	112	100	—
	First stage heat output (kBTU)	—	39	—	—	66	—	—
	Second stage heat output (kBTU)	45	56	48	72	90	80	—
	Steady state efficiency (%)	80	80	80	80	80	80	—
	Number of burners	2	2	1	3	3	1	—
	Number of stages	1	2	1	1	2	1	—
	Temperature rise range (°F)	28-46	35-58	20-50	44-74	55-78	45-75	—
	Gas limit setting (°F)	150	150	150	140	140	170	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1						74.1
	Width	48.9						48.9
	Height	32.5						32.5
Operating weight (lb)		555						481
	with MagnaDRY	563						489
Compressors	Type	Scroll						Scroll
	Quantity	1						1
	Unit capacity steps (%)	67/100						67/100
Condenser coil data	Face area (sq ft)	16.3						16.3
	Rows	1						1
	Fins per in.	23						23
	Tube diameter (in./mm)	0.63/16						0.63/16
	Circuitry type	2-pass Microchannel						2-pass Microchannel
Evaporator coil data	Face area (sq ft)	5.5						5.5
	Rows	3						3
	Fins per in.	15						15
	Tube diameter	0.375						0.375
	Circuitry type	Intertwined						Intertwined
	Refrigerant control	TXV						TXV
Reheat option coil data	Face area (sq ft)	3.5						3.5
	Rows	1						1
	Fins per inch	23						23
	Tube diameter (in./mm)	.63/16						.63/16
Condenser fan data	Quantity of fans	1						1
	Fan diameter (in.)	22						22
	Type	Prop						Prop
	Drive type	Direct						Direct
	Quantity of motors	1						1
	Motor hp each	1/3						1/3
	Number of speeds	2						2
	rpm	800/1,000						800/1,000
	Nominal total cfm	3,800						3,800
Evaporator fan data direct drive	Airflow option	A						A
	Quantity	1						1
	Fan size (in.)	10 x 10						10 x 10
	Type	Centrifugal						1,100 Centrifugal
	Motor hp	3/4						3/4
	rpm	1,050						1,050

Table 17: ZL04 physical data

Component		Models			
		ZLG04		ZLE04	
Nominal tonnage		3		3	
Evaporator fan data belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	10 x 10	10 x 10	10 x 10	10 x 10
	Type	Centrifugal		Centrifugal	
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A39	A40	A39	A40
	Motor hp, 1 phase	1.5	—	1.5	—
	Motor max Bhp, 3 phase	2.4	2.4	2.4	2.4
	rpm	1,750	1,750	1,750	1,750
	Frame size	56Y	56Y	56Y	56Y
Filters	Quantity - size	2 - (16 x 25 x 2)[2]		2 - (16 x 25 x 2)[2]	

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 18: ZL05 physical data

Component		Models								
		ZLG05								ZLE05
Nominal tonnage		4								4
AHRI cooling performance direct drive	Gross capacity at AHRI A point (BTU)	50,000								50,000
	AHRI net capacity (BTU)	48,000								48,000
	EER/EER2 230 V/460 V	12.7/12.2								12.7/12.2
	SEER/SEER2 230 V/460 V	17.1/16.5								17.1/16.5
	EER 575 V	12.5								12.5
	SEER 575 V	16.0								16.0
	Nominal cfm	1,600								1,600
	System power 230 V/460 V (kW)	3.9								3.9
	System power 575 V (kW)	3.8								3.8
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	6-4								6-4
	System 2	—								—
	Refrigerant charge MagnaDRY[1] option (lb-oz)									
	System 1	6-8								6-8
	System 2	—								—
AHRI cooling performance belt drive	Gross capacity at AHRI A point (BTU)	50,000								50,000
	AHRI net capacity (BTU)	47,500								47,500
	EER/EER2 230 V/460 V	12.0/11.5								12.0/11.5
	SEER/SEER2 230 V/460 V	15.6/15.0								15.6/15.0
	EER 575 V	11.2								11.2
	SEER 575 V	14.4								14.4
	Nominal cfm	1,600								1,600
	System power 230V/460V (kW)	4.2								4.2
	System power 575 V (kW)	4.2								4.2
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	6-4								6-4
	System 2	—								—
	Refrigerant charge MagnaDRY[1] option (lb-oz)									
	System 1	6-8								6-8
	System 2	—								—
AHRI heating performance three phase	Heating options	L	D	U	M	E	W	N	F	—
	Heating model	Low (Low NOx)	Low	Low (Ultra-Low NOx)	Med (Low NOx)	Med	High (Ultra-Low NOx)	High, (Low NOx)	High	—
	First stage heat input (kBTU)	—	49	—	—	82	—	—	100	—
	Second stage heat input (kBTU)	56	70	60	90	112	100	118	145	—
	First stage heat output (kBTU)	—	39	—	—	66	—	—	80	—
	Second stage heat output (kBTU)	45	56	48	72	90	80	94	116	—
	Steady state efficiency (%)	80	80	80	80	80	80	80	80	—
	Number of burners	2	2	1	3	3	1	3	3	—
	Number of stages	1	2	1	1	2	1	1	2	—
	Temperature rise range (°F)	21-35	26-43	15-45	33-56	41-69	30-60	44-73	49-77	—
	Gas limit setting (°F)	150	150	150	140	140	160	150	145	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1								74.1
	Width	48.9								48.9
	Height	40.6								40.6
Operating weight (lb)		602								564
	with MagnaDRY	612								574
Compressors	Type	Scroll								Scroll
	Quantity	1								1
	Unit capacity steps (%)	67/100								67/100
Condenser coil data	Face area (sq ft)	21.1								21.1
	Rows	1								1
	Fins per in.	23								23
	Tube diameter (in./mm)	0.79/20								0.79/20
	Circuitry Type	2-pass Microchannel								2-pass Microchannel

Table 18: ZL05 physical data

Component		Models			
		ZLG05		ZLE05	
Nominal tonnage		4		4	
Evaporator coil data	Face area (sq ft)	7.3		7.3	
	Rows	3		3	
	Fins per in.	15		15	
	Tube diameter	0.375		0.375	
	Circuitry type	Intertwined		Intertwined	
	Refrigerant control	TXV		TXV	
Reheat option coil data	Face area (sq ft)	4.4		4.4	
	Rows	1		1	
	Fins per inch	23		23	
	Tube diameter (in./mm)	.79/20		.79/20	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/3		1/3	
	Number of speeds	1		1	
	rpm	1,100		1,100	
	Nominal total cfm	4,000		4,000	
Evaporator fan data direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan size (in.)	10 x 10		10 x10	
	Type	Centrifugal		Centrifugal	
	Motor hp	1		1	
	rpm	1,050		1,050	
Evaporator fan data belt drive	Airflow option	B	C	B	C
	Quantity	1	1	1	1
	Fan size (in.)	10 x 10	10 x 10	10 x 10	10 x 10
	Type	Centrifugal		Centrifugal	
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A39	A40	A39	A40
	Motor hp, 1 phase	1.5	—	1.5	—
	Motor max Bhp, 3 phase	2.4	2.9	2.4	2.9
	rpm	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56Y	56Y
Filters	Quantity - size	4 - (16 x 16 x 2)[2]		4 - (16 x 16 x 2)[2]	

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

Table 19: ZL06 physical data

Component		Models								
		ZLG06								ZLE06
Nominal tonnage		5								5
AHRI cooling performance direct drive	Gross capacity at AHRI A point (BTU)	60,700								60,700
	AHRI net capacity (BTU)	58,500								58,500
	EER/EER2 230 V/460 V	12.8/12.0								12.8/12.0
	SEER/SEER2 230 V/460 V	17.0/16.0								17.0/16.0
	EER 575 V	12.2								12.2
	SEER 575 V	15.6								15.6
	Nominal cfm	1,825								1,825
	System power 230 V/460 V (kW)	4.8								4.8
	System power 575 V (kW)	4.8								4.8
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	8-8								8-8
	System 2	—								—
	Refrigerant charge MagnaDRY[1] option (lb-oz)									
	System 1	9-10								9-10
	System 2	—								—
AHRI cooling performance belt drive	Gross capacity at AHRI A point (BTU)	60,100								60,100
	AHRI net capacity (BTU)	58,000								58,000
	EER/EER2 230 V/460 V	12.4/11.5								12.4/11.5
	SEER/SEER2 230 V/460 V	15.8/14.8								15.8/14.8
	EER 575 V	11.9								11.9
	SEER 575 V	14.9								14.9
	Nominal cfm	1,825								1,825
	System power 230 V/460 V (kW)	4.9								4.9
	System power 575 V (kW)	4.9								4.9
	Refrigerant type	R-410A								R-410A
	Refrigerant charge (lb-oz)									
	System 1	8-8								8-8
	System 2	—								—
	Refrigerant charge MagnaDRY[1] option (lb-oz)									
	System 1	9-10								9-10
	System 2	—								—
AHRI heating performance three phase	Heating options	L	D	U	M	E	L	W	F	—
	Heating model	Low (Low NOx)	Low	Low (Low NOx)	Low (Ultra -Low NOx)	Med	Low (Low NOx)	High (Ultra-Low NOx)	High	—
	First stage heat input (kBTU)	—	49	—	—	82	—	—	100	—
	Second stage heat input (kBTU)	56	70	60	90	112	100	118	145	—
	First stage heat output (kBTU)	—	39	—	—	66	—	—	80	—
	Second stage heat output (kBTU)	45	56	48	72	90	80	94	116	—
	Steady state efficiency (%)	80	80	80	80	80	80	80	80	—
	Number of burners	2	2	1	3	3	1	3	3	—
	Number of stages	1	2	1	1	2	1	1	2	—
	Temperature rise range (°F)	17-28	21-35	10-40	27-44	33-55	25-55	25-55	43-72	—
	Gas limit setting (°F)	150	150	150	140	140	140	160	140	—
	Gas piping connection (in.)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	—
Dimensions (in.)	Length	74.1								74.1
	Width	48.9								48.9
	Height	40.6								40.6
Operating weight (lb)		631								582
	With MagnaDRY	643								594
Compressors	Type	Scroll								Scroll
	Quantity	1								1
	Unit capacity steps (%)	67/100								67/100
Condenser coil data	Face area (sq ft)	21.1								21.1
	Rows	2								2
	Fins per in	23								23
	Tube diameter (in./mm)	0.79/20								0.79/20
	Circuitry type	3-pass Microchannel								3-pass Microchannel

Table 19: ZL06 physical data

Component		Models			
		ZLG06		ZLE06	
Nominal tonnage		5		5	
Evaporator coil data	Face area (sq ft)	7.3		7.3	
	Rows	4		4	
	Fins per in.	15		15	
	Tube diameter	0.375		0.375	
	Circuitry type	Intertwined		Intertwined	
	Refrigerant control	TXV		TXV	
Reheat option coil data	Face area (sq ft)	4.6		4.6	
	Rows	1		1	
	Fins per inch	23		23	
	Tube diameter (in./mm)	1/25		1/25	
Condenser fan data	Quantity of fans	1		1	
	Fan diameter (in.)	22		22	
	Type	Prop		Prop	
	Drive type	Direct		Direct	
	Quantity of motors	1		1	
	Motor hp each	1/3		1/3	
	Number of speeds	2		2	
	rpm	1,000/1,100		1,000/1,100	
	Nominal total cfm	4,600		4,600	
Evaporator fan data direct drive	Airflow option	A		A	
	Quantity	1		1	
	Fan size (in.)	11 x 10		11 x 10	
	Type	Centrifugal		Centrifugal	
	Motor hp	1		1	
	rpm	1,050		1,050	
Evaporator fan data belt drive	Airflow option	B	C	B	C
	quantity	1	1	1	1
	Fan size (in.)	11 x 10	11 x 10	11 x 10	11 x 10
	Type	Centrifugal		Centrifugal	
	Motor sheave	1VL34	1VL44	1VL34	1VL44
	Blower sheave	AK46	AK46	AK46	AK46
	Belt	A37	A39	A37	A39
	Motor hp, 1 phase	1.5	—	1.5	—
	Motor Max Bhp, 3 Phase	2.4	2.9	2.4	2.9
	rpm	1,750	1,750	1,750	1,750
	Frame size	56HZ	56Z	56HZ	56Z
Filters	Quantity - size	4 - (16 x 16 x 2)[2]		4 - (16 x 16 x 2)[2]	

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value).

ZL08 to ZL14 physical data

Table 20: ZL08 physical data

Component		Models			
		ZLG08			ZLE08
Nominal tonnage		7.5			7.5
AHRI cooling performance	Gross capacity at AHRI A point (BTU)	93,000			93,000
	AHRI net capacity (BTU)	89,000			89,000
	EER	12			12.2
	SEER	—			—
	IEER IntelliSpeed	15.6			15.8
	VAV IEER	15.2			15.4
	Nominal cfm	2,900			2,900
	System power (kW)	7.40			7.40
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-0			6-0
	System 2	6-6			6-6
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	6-6			6-6
	System 2	6-6			6-6
AHRI heating performance three phase	Heating option	D	E	F	—
	Heating model	Low	Med	High	—
	First stage heat input (kBTU)	90	125	176	—
	Second stage heat input (kBTU)	125	180	220	—
	First stage heat output (kBTU)	72	100	141	—
	Second stage heat output (kBTU)	100	144	176	—
	Steady state efficiency (%)	80	80	80	—
	Number of burners	3	4	5	—
	Number of stages	2	2	2	—
	Temperature rise range (°F)	25-41	36-59	43-72	—
	Gas limit setting (°F)	140	150	140	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	48.6			48.6
Operating weight (lb)		1,040			920
	with MagnaDRY	1,055			935
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit capacity steps (%)	34 / 67 /1 00			34 / 67 /1 00
Condenser coil data	Face area (sq ft)	25.5			25.5
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
	Circuitry Type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV

Table 20: ZL08 physical data

Component		Models					
		ZLG08			ZLE08		
Nominal tonnage		7.5			7.5		
Reheat option coil data	Face area (sq ft)	6.6			6.6		
	Rows	1			1		
	Fins per in.	23			23		
	Tube diameter (in./mm)	1/25			1/25		
Condenser fan data	Quantity of fans	2			2		
	Fan diameter (in.)	22			22		
	Type	Prop			Prop		
	Drive type	Direct			Direct		
	Quantity of motors	2			2		
	Motor hp each	1/2			1/2		
	Number of speeds	1			1		
	rpm	1,085			1,085		
	Nominal total cfm	8,600			8,600		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan Size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
	Blower sheave	AK74	AK74	AK74	AK74	AK74	AK74
	Belt	A47	A48	A50	A47	A48	A50
	Motor max bhp, 3 phase	2.4	2.4	3.7	2.4	2.4	3.7
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56HZ	56Y	56Y	56HZ
Filters	Quantity - size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

Table 21: ZL09 physical data

Component		Models			
		ZLG09			ZLE09
Nominal tonnage		8.5			8.5
AHRI cooling performance	Gross capacity at AHRI A point (BTU)	101,000			101,000
	AHRI net capacity (BTU)	98,000			98,000
	EER	12			12.2
	SEER	—			—
	IEER IntelliSpeed	16.1			16.3
	VAV IEER	15.7			15.9
	Nominal cfm	3,000			3,000
	System power (kW)	8.00			8.00
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-4			6-4
	System 2	6-4			6-4
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	6-2			6-2
	System 2	6-4			6-4
AHRI heating performance three phase	Heating option	D	E	F	—
	Heating model	Low	Med	High	—
	First stage heat input (kBTU)	90	125	176	—
	Second stage heat input (kBTU)	125	180	220	—
	First stage heat output (kBTU)	72	100	141	—
	Second stage heat output (kBTU)	100	144	176	—
	Steady state efficiency (%)	80	80	80	—
	Number of burners	3	4	5	—
	Number of stages	2	2	2	—
	Temperature rise range (°F)	22-36	31-52	38-64	—
	Gas limit setting (°F)	140	150	140	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	48.6			48.6
Operating weight (lb)		1,030			925
	with MagnaDRY	1,045			940
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit capacity steps (%)	34 / 67 /100			34 / 67 /100
Condenser coil data	Face area (sq ft)	25.5			25.5
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	6.6			6.6
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25

Table 21: ZL09 physical data

Component		Models					
		ZLG09			ZLE09		
Nominal tonnage		**8.5**			**8.5**		
Condenser fan data	Quantity of fans	2			2		
	Fan diameter (in.)	22			22		
	Type	Prop			Prop		
	Drive type	Direct			Direct		
	Quantity of motors	2			2		
	Motor hp each	1/2			1/2		
	Number of speeds	1			1		
	rpm	1,085			1,085		
	Nominal total cfm	8,600			8,600		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL34	1VL44	1VP50	1VL34	1VL44	1VP50
	Blower sheave	AK74	AK74	AK74	AK74	AK74	AK74
	Belt	A47	A48	A50	A47	A48	A50
	Motor max bhp, 3 phase	2.4	2.4	3.7	2.4	2.4	3.7
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56Y	56HZ	56Y	56Y	56HZ
Filters	Quantity - size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

Table 22: ZL12 physical data

Component		Models			
		ZLG12			ZLE12
Nominal tonnage		10			10
AHRI cooling performance	Gross capacity at AHRI A point (BTU)	120,200			120,200
	AHRI net capacity (BTU)	116,000			116,000
	EER	12			12.2
	SEER	—			—
	IEER IntelliSpeed	15.4			15.6
	VAV IEER	15.2			15.4
	Nominal cfm	3,100			3,100
	System power (kW)	9.60			9.60
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-0			6-0
	System 2	6-10			6-10
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	6-14			6-14
	System 2	6-10			6-10
AHRI heating performance three phase	Heating Option	D	E	F	—
	Heating model	Low	Med	High	—
	First stage heat input (kBTU)	125	176	200	—
	Second stage heat input (kBTU)	180	220	250	—
	First stage heat output (kBTU)	100	141	162	—
	Second stage heat output (kBTU)	144	176	203	—
	Steady state efficiency (%)	80	80	81	—
	Number of burners	4	5	5	—
	Number of stages	2	2	2	—
	Temperature rise range (°F)	27-44	33-54	37-62	—
	Gas limit setting (°F)	150	140	160	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	55.3			55.3
Operating weight (lb)		1,050			955
	with MagnaDRY	1,068			973
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit Capacity Steps (%)	34 / 67 /100			34 / 67 /100
Condenser coil data	Face area (sq ft)	24.9			24.9
	Rows	1			1
	Fins per in.	21			21
	Tube diameter (in./mm)	1.26/32			1.26/32
	Circuitry type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	8.2			8.2
	Rows	1			1
	Fins per in.	23			23
	Tube diameter(in. / mm)	1/25			1/25

Table 22: ZL12 physical data

Component		Models					
		ZLG12			ZLE12		
Nominal tonnage		**10**			**10**		
Condenser fan data	Quantity of fans	1			1		
	Fan diameter (in.)	30			30		
	Type	Prop			Prop		
	Drive type	Direct			Direct		
	Quantity of motors	1			1		
	Motor hp each	1 1/2			1 1/2		
	Number of speeds	1			1		
	rpm	1,140			1,140		
	Nominal total cfm	9,700			9,700		
Evaporator fan data belt drive	Airflow Option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan Size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal					
	Motor sheave	1VL44	1VP50	1VP56	1VL44	1VP50	1VP56
	Blower sheave	AK79	AK79	BK85	AK79	AK79	BK85
	Belt	A50	A50	BX52	A50	A50	BX52
	Motor max bhp, 3 phase	2.4	3.7	5.25	2.4	3.7	5.25
	rpm	1,725	1,725	1,725	1,725	1,725	1,725
	Frame size	56Y	56HZ	145TY	56Y	56HZ	145TY
Filters	Quantity - size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

Table 23: ZL14 physical data

Component		Models			
		ZLG14			ZLE14
Nominal tonnage		12.5			12.5
AHRI cooling performance	Gross capacity at AHRI A point (BTU)	139,500			139,500
	AHRI net capacity (BTU)	135,000			135,000
	EER	11.0			11.2
	SEER	—			—
	IEER IntelliSpeed	14.7			14.9
	VAV IEER	14.5			14.7
	Nominal cfm	3,900			3,900
	System power (kW)	11.90			11.90
	Refrigerant type	R-410A			R-410A
	Refrigerant charge (lb-oz)				
	System 1	6-2			6-2
	System 2	6-8			6-8
	Refrigerant charge MagnaDRY[1] option (lb-oz)				
	System 1	7-2			7-2
	System 2	6-8			6-8
AHRI heating performance three phase	Heating option	D	E	F	—
	Heating model	Low	Med	High	—
	First stage heat input (kBTU)	125	176	200	—
	Second stage heat input (kBTU)	180	220	250	—
	First stage heat output (kBTU)	100	141	162	—
	Second stage heat output (kBTU)	144	176	203	—
	Steady state efficiency (%)	80	80	81	—
	Number of burners	4	5	5	—
	Number of stages	2	2	2	—
	Temperature rise range (°F)	21-36	26-43	30-49	—
	Gas limit setting (°F)	150	140	160	—
	Gas piping connection (in.)	3/4	3/4	3/4	—
Dimensions (in.)	Length	87.2			87.2
	Width	61.7			61.7
	Height	55.3			55.3
Operating weight (lb)		1,070			980
	with MagnaDRY	1,088			998
Compressors	Type	Scroll			Scroll
	Quantity	2			2
	Unit capacity steps (%)	34 / 67 /100			34 / 67 /100
Condenser coil data	Face area (sq ft)	24.9			24.9
	Rows	1			1
	Fins per in.	21			21
	Tube diameter (in./mm)	1.26/32			1.26/32
	Circuitry Type	2-pass Microchannel			2-pass Microchannel
Evaporator coil data	Face area (sq ft)	11.1			11.1
	Rows	4			4
	Fins per in.	15			15
	Tube diameter	0.375			0.375
	Circuitry Type	Intertwined			Intertwined
	Refrigerant control	TXV			TXV
Reheat option coil data	Face area (sq ft)	8.2			8.2
	Rows	1			1
	Fins per in.	23			23
	Tube diameter (in./mm)	1/25			1/25

Table 23: ZL14 physical data

Component		Models					
		ZLG14			ZLE14		
Nominal tonnage		**12.5**			**12.5**		
Condenser fan data	Quantity of fans	1			1		
	Fan diameter (in.)	30			30		
	Type	Prop			Prop		
	Drive type	Direct			Direct		
	Quantity of motors	1			1		
	Motor hp each	1 1/2			1 1/2		
	Number of speeds	1			1		
	rpm	1,140			1,140		
	Nominal total cfm	9,700			9,700		
Evaporator fan data belt drive	Airflow option	A	B	C	A	B	C
	Quantity	1	1	1	1	1	1
	Fan size (in.)	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
	Type	Centrifugal			Centrifugal		
	Motor sheave	1VL44	1VP50	1VP56	1VL44	1VP50	1VP56
	Blower sheave	AK79	AK79	BK85	AK79	AK79	BK85
	Belt	A50	A50	BX54	A50	A50	BX54
	Motor max bhp, 3 phase	2.9	3.7	5.25	2.9	3.7	5.25
	rpm	1,750	1,750	1,750	1,750	1,750	1,750
	Frame size	56Y	182TZ	184TZ	56Y	182TZ	184TZ
Filters	Quantity - size	4 - (20 x 20 x 2)[2]			4 - (20 x 20 x 2)[2]		

1 MagnaDRY reheat option is available in power supply of 208/230/460/575-3-60 options only.
2 2 in. throwaway, standard, MERV 4 (Minimum Efficiency Reporting Value)

ZQ/ZX/ZY/ZL 04 to 14, A7 unit limitations

Table 24: ZQ/ZX/ZY/ZL 04 to 14, A7 unit limitations

Model	Size (ton)	Unit voltage	SCCR (kVA)	Unit limitations		
				Applied voltage		Outdoor DB temp
				Min	Max	Max (°F)
ZQ/ZY/ZL	04 (3)	208/230-1-60	5	187	252	125
		208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZQ/ZY	05 (4)	208/230-1-60	5	187	252	125
		208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZQ/ZY	06 (5)	208/230-1-60	5	187	252	125
		208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZL	05 (4)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZL	06 (5)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZX/ZY	A7 (6)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZY/ZL	08 (7.5)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZY/ZL	09 (8.5)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZY/ZL	12 (10)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125
ZL	14 (12.5)	208/230-3-60	5	187	252	125
		460-3-60	5	432	504	125
		575-3-60	5	540	630	125

Capacity performance

ZQ04 to 06 cooling capacities

Table 25: ZQ04 (3.0 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total Input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
750	77	42.7	2.1	22.8	19.1	15.4	-	-	-	41.4	2.4	22.1	18.3	14.6	-	-	-
	72	39.9	2.1	27.3	23.3	19.3	15.4	-	-	38.3	2.4	26.5	22.5	18.4	14.4	-	-
	67	37.1	2.1	31.5	27.6	23.3	19.2	15.4	-	35.2	2.3	30.8	26.6	22.3	18.2	14.3	-
	62	34.3	2.1	31.5	29.4	27.3	23.4	19.5	15.5	33.1	2.3	31.9	29.0	26.2	22.3	18.3	14.4
900	77	42.7	2.1	24.0	19.5	14.9	-	-	-	41.4	2.4	23.7	19.0	14.2	-	-	-
	72	40.3	2.1	28.7	24.3	19.9	15.4	-	-	38.7	2.4	28.1	23.6	19.1	14.5	-	-
	67	37.9	2.1	33.3	29.1	24.8	20.2	15.8	-	36.1	2.3	32.5	28.2	23.9	19.3	14.7	-
	62	35.7	2.1	33.3	31.5	29.8	25.2	20.6	16.0	34.5	2.3	33.4	31.1	28.7	24.1	19.5	14.9
	57	33.5	2.0	33.3	33.3	33.3	30.0	25.3	20.7	33.4	2.3	33.4	33.4	33.4	28.9	24.2	19.6
1050	77	42.6	2.1	25.3	19.9	14.5	-	-	-	41.3	2.4	25.3	19.6	13.9	-	-	-
	72	40.6	2.1	30.1	25.2	20.4	15.5	-	-	39.2	2.4	29.7	24.7	19.7	14.7	-	-
	67	38.7	2.1	34.8	30.6	26.3	21.1	16.2	-	37.0	2.3	34.1	29.8	25.5	20.3	15.2	-
	62	37.1	2.1	35.2	33.7	32.2	27.0	21.7	16.4	35.9	2.3	34.9	33.1	31.3	26.0	20.7	15.4
	57	35.5	2.1	35.5	35.5	35.5	32.7	27.2	21.8	35.2	2.3	35.2	35.2	35.2	31.6	26.2	20.7
1200	77	42.5	2.1	26.5	20.3	14.0	-	-	-	41.3	2.4	26.9	20.2	13.5	-	-	-
	72	41.0	2.1	31.5	26.2	20.9	15.6	-	-	39.6	2.4	31.3	25.8	20.3	14.8	-	-
	67	39.4	2.1	36.4	32.1	27.8	22.1	16.6	-	38.0	2.3	35.7	31.4	27.1	21.3	15.6	-
	62	38.5	2.1	37.0	35.8	34.6	28.7	22.8	16.9	37.3	2.3	36.5	35.2	33.8	27.9	21.8	15.8
	57	37.6	2.1	37.6	37.6	37.6	35.3	29.1	22.9	36.9	2.3	36.9	36.9	36.9	34.4	28.1	21.9
1350	72	41.3	2.1	32.8	27.1	21.4	15.7	-	-	40.1	2.4	32.9	26.9	20.9	14.9	-	-
	67	40.2	2.1	37.9	33.6	29.2	23.0	16.9	-	38.9	2.3	37.3	33.0	28.7	22.3	16.0	-
	62	39.9	2.1	38.8	37.9	37.1	30.5	23.9	17.4	38.8	2.3	38.0	37.2	36.4	29.7	23.0	16.3
	57	39.7	2.1	39.7	39.7	39.7	37.9	30.9	24.0	38.7	2.3	38.7	38.7	38.7	37.1	30.1	23.0
1500	72	41.7	2.1	34.2	28.1	21.9	15.7	-	-	40.5	2.3	34.5	28.0	21.5	15.1	-	-
	67	41.0	2.1	39.4	35.1	30.7	24.0	17.3	-	39.8	2.3	38.8	34.5	30.2	23.3	16.4	-
	62	41.4	2.1	40.7	40.1	39.5	32.3	25.1	17.8	40.2	2.3	39.5	39.2	39.0	31.6	24.2	16.8
	57	41.7	2.1	41.7	41.7	41.7	40.5	32.8	25.1	40.5	2.4	40.2	40.2	40.2	39.8	32.0	24.2

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 26: ZQ04 (3.0 ton, 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
750	77	40.2	2.7	21.4	17.6	13.8	-	-	-	37.0	3.1	20.2	16.4	12.6	-	-	-
	72	36.7	2.6	25.8	21.7	17.5	13.4	-	-	33.8	3.0	24.5	20.4	16.4	12.3	-	-
	67	33.2	2.6	30.2	25.7	21.3	17.3	13.2	-	30.7	3.0	28.7	24.4	20.1	16.1	12.1	-
	62	31.9	2.6	31.9	28.7	25.0	21.1	17.2	13.3	30.0	2.9	30.0	27.0	23.9	19.9	15.9	11.9
900	77	40.1	2.7	23.4	18.5	13.6	-	-	-	37.1	3.0	22.4	17.4	12.4	-	-	-
	72	37.2	2.6	27.6	22.9	18.3	13.6	-	-	34.5	3.0	26.3	21.7	17.1	12.5	-	-
	67	34.3	2.6	31.8	27.4	23.0	18.3	13.7	-	31.9	3.0	30.2	26.0	21.8	17.2	12.5	-
	62	33.3	2.6	33.3	30.6	27.7	23.0	18.4	13.8	31.3	2.9	31.3	28.9	26.5	21.8	17.1	12.4
	57	33.3	2.6	33.3	33.3	32.4	27.8	23.1	18.5	31.3	2.9	31.3	31.3	31.2	26.5	21.7	16.9
1050	77	40.1	2.7	25.3	19.3	13.3	-	-	-	37.2	3.0	24.6	18.4	12.2	-	-	-
	72	37.7	2.6	29.4	24.2	19.0	13.8	-	-	35.1	3.0	28.1	23.0	17.8	12.7	-	-
	67	35.4	2.6	33.4	29.0	24.7	19.4	14.1	-	33.0	3.0	31.6	27.6	23.5	18.2	12.9	-
	62	34.7	2.6	34.7	32.6	30.4	25.0	19.6	14.3	32.6	2.9	32.5	30.9	29.2	23.7	18.3	12.8
	57	34.8	2.6	34.8	34.8	34.8	30.6	25.2	19.7	32.7	2.9	32.7	32.7	32.7	28.8	23.6	18.5
1200	77	40.1	2.6	27.3	20.1	13.0	-	-	-	37.4	3.0	26.7	19.3	11.9	-	-	-
	72	38.3	2.6	31.1	25.4	19.7	14.0	-	-	35.8	3.0	29.9	24.2	18.5	12.9	-	-
	67	36.5	2.6	35.0	30.7	26.4	20.5	14.6	-	34.2	3.0	33.1	29.1	25.2	19.2	13.3	-
	62	36.1	2.6	35.9	34.5	33.1	27.0	20.9	14.8	33.9	3.0	33.7	32.8	31.8	25.6	19.5	13.3
	57	36.3	2.6	36.3	36.3	36.3	33.5	27.2	20.9	34.0	3.0	34.0	34.0	34.0	31.1	25.6	20.1
1350	72	38.8	2.6	32.9	26.7	20.4	14.2	-	-	36.5	3.0	31.7	25.5	19.3	13.0	-	-
	67	37.6	2.6	36.6	32.4	28.1	21.6	15.0	-	35.4	3.0	34.6	30.7	26.9	20.3	13.7	-
	62	37.6	2.6	37.1	36.5	35.8	28.9	22.1	15.3	35.2	3.0	34.9	34.7	34.4	27.5	20.7	13.8
	57	37.8	2.6	37.7	37.7	37.7	36.3	29.2	22.1	35.4	3.0	35.3	35.3	35.3	33.4	27.6	21.8
1500	72	39.3	2.6	34.7	27.9	21.2	14.4	-	-	37.1	3.0	33.6	26.8	20.0	13.2	-	-
	67	38.7	2.6	38.3	34.0	29.8	22.6	15.5	-	36.6	3.0	36.0	32.3	28.5	21.3	14.1	-
	62	39.0	2.6	38.4	38.4	38.4	30.9	23.3	15.8	36.5	3.0	36.1	36.1	36.1	29.5	21.9	14.2
	57	39.3	2.6	38.4	38.4	38.4	38.4	31.2	23.3	36.7	3.0	36.2	36.2	36.2	35.7	29.6	23.4
		115°F								125°F							
750	77	33.9	3.4	19.0	15.2	11.4	-	-	-	30.7	3.8	17.8	14.0	10.2	-	-	-
	72	31.0	3.4	23.1	19.2	15.2	11.2	-	-	28.2	3.7	21.8	17.9	14.0	10.1	-	-
	67	28.1	3.3	27.3	23.1	19.0	15.0	10.9	-	25.6	3.7	25.6	21.8	17.8	13.8	9.8	-
	62	28.0	3.3	28.0	25.4	22.8	18.7	14.6	10.5	26.1	3.7	25.9	23.8	21.7	17.5	13.3	9.1
900	77	34.1	3.4	21.4	16.3	11.2	-	-	-	31.1	3.7	20.4	15.2	10.0	-	-	-
	72	31.8	3.4	25.0	20.5	15.9	11.4	-	-	29.1	3.7	23.7	19.2	14.8	10.3	-	-
	67	29.4	3.3	28.6	24.6	20.6	16.0	11.3	-	27.0	3.7	27.0	23.2	19.5	14.8	10.1	-
	62	29.2	3.3	29.2	27.3	25.4	20.6	15.8	11.0	27.2	3.7	27.0	25.6	24.2	19.3	14.4	9.5
	57	29.4	3.3	29.4	29.4	29.4	25.1	20.2	15.3	27.4	3.6	27.0	27.0	27.0	23.8	18.7	13.6
1050	77	34.4	3.4	23.8	17.4	11.0	-	-	-	31.5	3.7	23.1	16.5	9.9	-	-	-
	72	32.5	3.3	26.9	21.8	16.7	11.5	-	-	30.0	3.7	25.6	20.5	15.5	10.4	-	-
	67	30.7	3.3	29.9	26.1	22.3	17.0	11.7	-	28.4	3.7	28.1	24.6	21.1	15.8	10.4	-
	62	30.5	3.3	30.3	29.1	27.9	22.4	16.9	11.4	28.3	3.7	28.1	27.4	26.7	21.1	15.5	9.9
	57	30.6	3.3	30.6	30.6	30.6	26.9	22.1	17.3	28.5	3.7	28.2	28.2	28.2	25.1	20.6	16.1
1200	77	34.7	3.4	26.2	18.5	10.8	-	-	-	31.9	3.7	25.7	17.7	9.7	-	-	-
	72	33.3	3.3	28.7	23.0	17.4	11.7	-	-	30.8	3.7	27.5	21.9	16.2	10.6	-	-
	67	32.0	3.3	31.2	27.6	24.0	18.0	12.1	-	29.7	3.7	29.3	26.0	22.7	16.8	10.8	-
	62	31.7	3.3	31.5	31.0	30.5	24.3	18.1	11.8	29.4	3.7	29.3	29.3	29.3	23.0	16.6	10.3
	57	31.8	3.3	31.8	31.8	31.8	28.7	24.1	19.4	29.5	3.7	29.4	29.4	29.4	26.4	22.5	18.6
1350	72	34.1	3.3	30.6	24.3	18.1	11.9	-	-	31.7	3.7	29.4	23.2	16.9	10.7	-	-
	67	33.3	3.3	32.5	29.1	25.6	19.0	12.4	-	31.1	3.7	30.4	27.4	24.4	17.7	11.1	-
	62	32.9	3.3	32.7	32.7	32.7	26.2	19.2	12.3	30.5	3.7	30.4	30.4	30.4	24.8	17.8	10.7
	57	33.0	3.4	32.9	32.9	32.9	30.5	26.0	21.4	30.6	3.7	30.5	30.5	30.5	27.7	24.4	21.1
1500	72	34.9	3.3	32.4	25.6	18.8	12.0	-	-	32.6	3.7	31.3	24.5	17.7	10.9	-	-
	67	34.6	3.3	33.8	30.5	27.3	20.0	12.8	-	32.5	3.7	31.6	28.8	26.0	18.7	11.5	-
	62	34.1	3.3	33.8	33.8	33.8	28.0	20.4	12.7	31.6	3.7	31.6	31.6	31.6	26.6	18.9	11.1
	57	34.2	3.4	33.9	33.9	33.9	32.3	27.9	23.5	31.6	3.8	31.6	31.6	31.6	28.9	26.3	23.6

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 27: ZQ05 (4.0 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1000	77	61.7	2.8	31.1	23.1	15.0	-	-	-	59.0	3.2	29.6	21.7	13.7	-	-	-
	72	56.3	2.8	37.3	30.4	23.5	16.6	-	-	53.4	3.1	35.9	29.0	22.1	15.2	-	-
	67	50.9	2.7	43.4	37.7	32.0	26.6	21.4	-	47.9	3.1	42.2	36.3	30.5	25.2	20.1	-
	62	47.7	2.7	43.4	41.9	40.5	37.2	33.1	29.5	45.8	3.0	43.4	41.1	38.8	35.6	32.0	28.6
1200	77	62.7	2.8	34.0	25.1	16.2	-	-	-	59.9	3.2	33.0	23.9	14.9	-	-	-
	72	57.7	2.8	40.1	32.6	25.2	17.7	-	-	54.8	3.1	38.9	31.3	23.8	16.3	-	-
	67	52.6	2.7	46.2	40.2	34.2	27.9	21.7	-	49.8	3.1	44.8	38.8	32.8	26.6	20.4	-
	62	49.8	2.7	46.2	44.7	43.2	38.5	33.3	28.3	47.9	3.1	45.7	43.7	41.7	37.0	32.0	27.2
	57	47.0	2.7	46.2	46.2	46.2	46.2	44.8	41.1	46.1	3.0	46.1	46.1	46.1	46.1	43.7	40.2
1400	77	63.7	2.8	36.8	27.1	17.3	-	-	-	60.7	3.2	36.3	26.1	16.0	-	-	-
	72	59.0	2.8	42.9	34.8	26.8	18.8	-	-	56.2	3.1	41.8	33.7	25.5	17.4	-	-
	67	54.3	2.7	48.9	42.6	36.3	29.1	22.1	-	51.7	3.1	47.3	41.2	35.1	27.9	20.7	-
	62	52.0	2.7	48.9	47.4	45.9	39.8	33.4	27.1	49.9	3.1	48.1	46.4	44.6	38.5	32.1	25.8
	57	49.6	2.7	48.9	48.9	48.9	48.9	44.6	39.3	48.4	3.1	48.4	48.4	48.4	48.4	43.5	38.2
1600	77	64.7	2.9	39.6	29.0	18.5	-	-	-	61.5	3.2	39.6	28.4	17.1	-	-	-
	72	60.4	2.8	45.7	37.1	28.5	19.9	-	-	57.6	3.2	44.8	36.0	27.3	18.5	-	-
	67	56.0	2.7	51.7	45.1	38.5	30.4	22.4	-	53.6	3.1	49.9	43.7	37.4	29.2	21.0	-
	62	54.1	2.7	51.7	50.1	48.6	41.2	33.5	25.9	52.0	3.1	50.4	49.0	47.6	39.9	32.2	24.5
	57	52.2	2.7	51.7	51.7	51.7	51.6	44.5	37.5	50.7	3.1	50.7	50.7	50.7	50.5	43.4	36.2
1800	72	61.8	2.8	48.5	39.3	30.2	21.0	-	-	59.0	3.2	47.7	38.4	29.0	19.6	-	-
	67	57.8	2.8	54.5	47.6	40.7	31.7	22.7	-	55.5	3.1	52.5	46.1	39.7	30.5	21.2	-
	62	56.3	2.8	54.5	52.9	51.3	42.5	33.6	24.7	54.1	3.1	52.8	51.6	50.5	41.4	32.2	23.1
	57	54.8	2.8	54.5	54.5	54.5	53.1	44.4	35.7	52.9	3.1	52.9	52.9	52.9	52.2	43.2	34.3
2000	72	63.1	2.8	51.3	41.5	31.8	22.1	-	-	60.3	3.2	50.7	40.7	30.7	20.7	-	-
	67	59.5	2.8	57.2	50.1	42.9	33.0	23.0	-	57.4	3.1	55.1	48.6	42.0	31.8	21.5	-
	62	58.4	2.8	57.2	55.6	54.0	43.8	33.7	23.5	56.1	3.1	55.1	54.2	53.4	42.8	32.3	21.8
	57	57.4	2.8	57.2	57.2	57.2	54.7	44.3	33.9	55.2	3.2	55.1	55.1	55.1	53.9	43.1	32.3
		95°F								105°F							
1000	77	56.3	3.5	28.1	20.3	12.5	-	-	-	51.7	4.1	28.9	21.2	13.5	-	-	-
	72	50.6	3.5	34.5	27.6	20.7	13.8	-	-	47.7	4.0	34.0	27.4	20.8	14.2	-	-
	67	44.8	3.4	40.9	34.9	29.0	23.9	18.9	-	43.7	3.9	39.1	33.6	28.1	23.3	18.5	-
	62	43.9	3.4	43.3	40.2	37.2	34.0	30.8	27.6	42.9	3.9	41.5	38.4	35.4	32.4	29.5	26.5
1200	77	57.0	3.5	31.9	22.8	13.6	-	-	-	52.3	4.1	32.2	23.3	14.3	-	-	-
	72	52.0	3.5	37.6	30.1	22.5	14.9	-	-	48.8	4.0	36.8	29.5	22.1	14.8	-	-
	67	46.9	3.4	43.3	37.4	31.4	25.3	19.1	-	45.3	3.9	41.3	35.6	30.0	24.2	18.4	-
	62	45.9	3.4	45.2	42.8	40.3	35.6	30.8	26.1	44.4	4.0	43.2	40.5	37.8	33.6	29.3	25.1
	57	45.2	3.4	45.2	45.2	45.2	45.2	42.6	39.3	43.8	4.0	43.8	43.8	43.8	42.9	40.2	37.5
1400	77	57.7	3.6	35.8	25.2	14.7	-	-	-	53.0	4.1	35.6	25.4	15.1	-	-	-
	72	53.4	3.5	40.8	32.5	24.3	16.0	-	-	49.9	4.0	39.5	31.5	23.5	15.5	-	-
	67	49.1	3.4	45.7	39.8	33.8	26.6	19.3	-	46.9	3.9	43.4	37.6	31.8	25.1	18.3	-
	62	47.9	3.4	47.2	45.3	43.4	37.1	30.9	24.6	45.9	4.0	44.8	42.5	40.2	34.7	29.2	23.7
	57	47.2	3.4	47.2	47.2	47.2	47.2	42.4	37.1	45.3	4.0	45.3	45.3	45.3	44.3	40.0	35.8
1600	77	58.4	3.6	39.6	27.7	15.8	-	-	-	53.6	4.1	39.0	27.5	15.9	-	-	-
	72	54.8	3.5	43.9	35.0	26.0	17.1	-	-	51.1	4.0	42.3	33.5	24.8	16.1	-	-
	67	51.2	3.5	48.2	42.2	36.3	27.9	19.5	-	48.5	4.0	45.6	39.6	33.7	26.0	18.2	-
	62	49.9	3.5	49.1	47.8	46.5	38.7	30.9	23.1	47.4	4.0	46.5	44.6	42.6	35.8	29.0	22.2
	57	49.1	3.5	49.1	49.1	49.1	49.1	42.2	35.0	46.7	4.0	46.7	46.7	46.7	45.7	39.8	34.0
1800	72	56.2	3.5	47.0	37.4	27.8	18.2	-	-	52.2	4.0	45.0	35.6	26.2	16.8	-	-
	67	53.3	3.5	50.6	44.7	38.7	29.3	19.8	-	50.1	4.0	47.7	41.6	35.6	26.8	18.1	-
	62	51.8	3.5	51.1	50.4	49.6	40.3	30.9	21.6	48.9	4.0	48.2	46.6	45.0	36.9	28.9	20.8
	57	51.1	3.5	51.1	51.1	51.1	51.1	42.1	32.8	48.2	4.0	48.2	48.2	48.2	47.0	39.6	32.3
2000	72	57.6	3.5	50.1	39.9	29.6	19.3	-	-	53.3	4.0	47.8	37.6	27.5	17.4	-	-
	67	55.4	3.5	53.0	47.1	41.2	30.6	20.0	-	51.7	4.0	49.8	43.6	37.4	27.7	18.0	-
	62	53.8	3.5	53.0	52.9	52.8	41.9	30.9	20.0	50.4	4.0	49.9	48.6	47.4	38.1	28.7	19.4
	57	53.0	3.5	53.0	53.0	53.0	53.0	41.9	30.7	49.9	4.0	49.9	49.9	49.9	48.4	39.5	30.5

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 28: ZQ05 (4.0 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1000	77	47.1	4.6	29.7	22.1	14.5	-	-	-	42.4	5.1	30.4	23.0	15.5	-	-	-
	72	44.8	4.5	33.5	27.2	20.9	14.6	-	-	41.9	5.0	33.0	27.0	20.9	14.9	-	-
	67	42.6	4.4	37.3	32.3	27.2	22.7	18.2	-	41.4	4.9	35.6	31.0	26.4	22.1	17.8	-
	62	42.0	4.5	39.7	36.6	33.6	30.8	28.1	25.3	41.0	5.0	37.9	34.8	31.8	29.3	26.7	24.2
1200	77	47.7	4.6	32.6	23.8	15.0	-	-	-	43.0	5.1	32.9	24.3	15.8	-	-	-
	72	45.7	4.5	35.9	28.8	21.8	14.7	-	-	42.5	5.0	35.0	28.2	21.4	14.6	-	-
	67	43.6	4.4	39.2	33.9	28.5	23.1	17.7	-	42.0	5.0	37.1	32.1	27.1	22.1	17.1	-
	62	43.0	4.5	41.1	38.2	35.3	31.5	27.8	24.0	41.5	5.0	39.0	35.9	32.8	29.5	26.3	23.0
	57	42.4	4.5	42.4	42.4	42.0	39.9	37.8	35.7	41.0	5.1	40.9	39.6	38.4	36.9	35.5	34.0
1400	77	48.3	4.6	35.4	25.5	15.6	-	-	-	43.6	5.1	35.3	25.6	16.0	-	-	-
	72	46.5	4.5	38.3	30.5	22.7	14.9	-	-	43.1	5.0	37.0	29.5	21.9	14.4	-	-
	67	44.7	4.5	41.1	35.5	29.8	23.6	17.3	-	42.6	5.0	38.7	33.3	27.8	22.1	16.3	-
	62	44.0	4.5	42.5	39.7	37.0	32.2	27.5	22.7	42.0	5.0	40.2	36.9	33.7	29.8	25.8	21.8
	57	43.4	4.5	43.4	43.4	43.4	40.9	37.6	34.4	41.5	5.1	41.5	40.6	39.6	37.4	35.2	33.0
1600	77	48.9	4.6	38.3	27.2	16.1	-	-	-	44.2	5.1	37.7	27.0	16.3	-	-	-
	72	47.4	4.5	40.6	32.1	23.6	15.1	-	-	43.7	5.0	39.0	30.7	22.4	14.1	-	-
	67	45.8	4.5	42.9	37.0	31.1	24.0	16.9	-	43.2	5.0	40.3	34.4	28.6	22.0	15.5	-
	62	45.0	4.5	43.9	41.3	38.6	32.9	27.2	21.4	42.5	5.0	41.3	38.0	34.7	30.0	25.3	20.6
	57	44.3	4.5	44.3	44.3	44.3	41.8	37.4	33.1	41.9	5.0	41.9	41.6	40.8	37.9	35.0	32.1
1800	72	48.2	4.5	43.0	33.8	24.5	15.3	-	-	44.2	5.0	41.0	31.9	22.9	13.8	-	-
	67	46.9	4.5	44.8	38.6	32.4	24.4	16.4	-	43.7	5.0	41.9	35.6	29.3	22.0	14.8	-
	62	46.0	4.5	45.3	42.8	40.3	33.6	26.8	20.1	43.1	5.0	42.5	39.1	35.7	30.2	24.8	19.4
	57	45.3	4.5	45.3	45.3	45.3	42.7	37.2	31.7	42.5	5.0	42.5	42.5	42.0	38.4	34.8	31.2
2000	72	49.1	4.5	45.4	35.4	25.4	15.5	-	-	44.8	5.0	43.0	33.2	23.4	13.6	-	-
	67	48.0	4.5	46.7	40.2	33.7	24.9	16.0	-	44.3	5.0	43.5	36.7	30.0	22.0	14.0	-
	62	47.0	4.5	46.7	44.4	42.0	34.3	26.5	18.8	43.6	5.0	43.6	40.1	36.6	30.5	24.3	18.2
	57	46.7	4.5	46.7	46.7	46.7	43.7	37.0	30.4	43.6	5.0	43.6	43.5	43.3	38.9	34.6	30.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 29: ZQ06 (5.0 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1250	77	75.2	3.6	38.2	32.6	26.9	—	—	—	72.1	4.0	36.7	31.2	25.7	—	—	—
	72	69.4	3.5	46.6	40.0	33.5	26.9	—	—	66.0	4.0	45.2	38.6	32.1	25.6	—	—
	67	63.6	3.4	55.0	47.5	40.0	33.4	26.9	—	59.9	3.9	53.6	46.0	38.5	31.9	25.3	—
	62	60.2	3.4	60.2	53.6	46.6	38.7	33.4	26.9	57.1	3.8	57.1	51.3	44.8	37.6	31.6	24.9
1500	77	76.2	3.6	42.0	34.3	26.7	—	—	—	72.8	4.1	41.0	33.2	25.5	—	—	—
	72	70.9	3.5	50.3	42.6	34.9	27.1	—	—	67.5	4.0	49.1	41.3	33.5	25.7	—	—
	67	65.7	3.5	58.7	50.9	43.1	35.2	27.4	—	62.1	3.9	57.2	49.4	41.6	33.6	25.7	—
	62	63.0	3.4	60.0	57.3	51.3	42.3	35.4	27.4	59.9	3.9	57.5	55.0	49.6	41.1	33.6	25.5
	57	60.3	3.4	60.3	60.3	59.5	51.4	43.4	35.3	57.7	3.8	57.7	57.7	57.7	49.5	41.4	33.2
1750	77	77.1	3.6	45.8	36.1	26.4	—	—	—	73.5	4.1	45.4	35.3	25.2	—	—	—
	72	72.4	3.6	54.1	45.2	36.3	27.4	—	—	68.9	4.0	53.1	44.0	34.9	25.9	—	—
	67	67.8	3.5	62.4	54.3	46.2	37.0	27.9	—	64.3	3.9	60.7	52.7	44.7	35.4	26.2	—
	62	65.7	3.5	63.5	61.0	56.1	45.9	37.3	28.0	62.7	3.9	60.8	58.7	54.4	44.6	35.6	26.1
	57	63.6	3.5	63.6	63.6	63.2	56.4	46.8	37.2	61.1	3.9	61.1	61.1	61.1	54.6	44.9	35.3
2000	77	78.0	3.7	49.5	37.8	26.1	—	—	—	74.2	4.1	49.7	37.3	24.9	—	—	—
	72	73.9	3.6	57.9	47.8	37.7	27.6	—	—	70.4	4.0	57.0	46.7	36.4	26.1	—	—
	67	69.9	3.5	66.2	57.7	49.2	38.8	28.4	—	66.6	4.0	64.0	56.1	47.8	37.2	26.7	—
	62	68.4	3.5	66.5	64.6	60.8	49.6	39.3	28.5	65.5	3.9	64.3	62.5	59.2	48.2	37.6	26.7
	57	66.9	3.5	66.9	66.9	66.9	61.3	50.2	39.1	64.5	3.9	64.5	64.5	64.5	59.6	48.5	37.4
2250	72	75.5	3.6	61.6	50.3	39.1	27.8	—	—	71.8	4.0	60.9	49.4	37.8	26.2	—	—
	67	72.0	3.6	69.9	61.1	52.3	40.6	28.9	—	68.8	4.0	67.8	59.4	50.9	39.0	27.1	—
	62	71.1	3.6	70.0	68.3	65.6	53.2	41.3	29.1	68.3	4.0	67.8	66.2	64.1	51.7	39.6	27.4
	57	70.3	3.5	70.3	70.3	70.3	66.2	53.6	41.0	67.9	4.0	67.9	67.9	67.9	64.6	52.0	39.5
2500	72	77.0	3.6	65.4	52.9	40.5	28.0	—	—	73.2	4.1	64.9	52.0	39.2	26.4	—	—
	67	74.1	3.6	73.6	64.5	55.4	42.4	29.4	—	71.0	4.0	70.8	62.7	54.0	40.8	27.6	—
	62	73.9	3.6	73.6	72.0	70.3	56.8	43.2	29.7	71.1	4.0	70.9	69.9	68.9	55.2	41.6	28.0
	57	73.6	3.6	73.6	73.6	73.6	71.1	57.0	42.9	71.3	4.0	71.3	71.3	71.3	69.6	55.6	41.6
		95°F								105°F							
1250	77	69.0	4.5	35.2	29.9	24.5	—	—	—	64.1	5.1	33.4	28.1	22.8	—	—	—
	72	62.6	4.4	43.8	37.2	30.7	24.2	—	—	57.9	5.0	42.0	35.3	28.5	21.8	—	—
	67	56.3	4.3	52.3	44.6	36.9	30.3	23.7	—	51.7	4.9	50.6	42.4	34.3	27.8	21.2	—
	62	54.0	4.3	54.0	49.0	43.1	36.4	29.7	23.0	50.8	4.9	50.8	45.9	40.1	33.7	27.4	21.0
1500	77	69.4	4.5	40.1	32.2	24.3	—	—	—	64.5	5.1	38.4	30.3	22.3	—	—	—
	72	64.0	4.4	47.9	40.0	32.2	24.3	—	—	59.3	5.0	45.9	37.9	29.9	21.9	—	—
	67	58.6	4.3	54.9	47.9	40.1	32.1	24.1	—	54.2	4.9	52.0	45.5	37.6	29.6	21.7	—
	62	56.9	4.3	55.0	52.8	48.0	39.9	31.8	23.7	53.5	4.9	52.5	49.7	45.3	37.3	29.4	21.4
	57	55.2	4.3	55.2	55.2	55.2	47.6	39.4	31.2	52.8	4.9	52.8	52.8	52.8	45.0	37.1	29.2
1750	77	69.8	4.5	45.0	34.5	24.0	—	—	—	64.9	5.1	43.3	32.5	21.7	—	—	—
	72	65.4	4.4	52.0	42.8	33.6	24.4	—	—	60.7	5.0	49.8	40.5	31.3	22.1	—	—
	67	60.9	4.3	58.3	51.1	43.2	33.9	24.5	—	56.6	5.0	54.9	48.5	40.9	31.5	22.1	—
	62	59.8	4.3	58.5	56.5	52.8	43.3	33.8	24.3	56.1	5.0	55.5	53.5	50.4	40.9	31.4	21.8
	57	58.6	4.3	58.6	58.6	58.6	52.8	43.1	33.4	55.7	5.0	55.7	55.7	55.7	50.3	40.6	31.0
2000	77	70.3	4.5	49.8	36.8	23.8	—	—	—	65.2	5.1	48.3	34.8	21.2	—	—	—
	72	66.8	4.4	56.1	45.6	35.1	24.5	—	—	62.1	5.1	53.6	43.2	32.7	22.2	—	—
	67	63.2	4.4	61.8	54.4	46.4	35.7	24.9	—	59.0	5.0	58.5	51.6	44.1	33.3	22.5	—
	62	62.6	4.4	61.9	60.3	57.7	46.8	35.9	25.0	58.8	5.0	58.6	57.3	55.6	44.5	33.4	22.3
	57	62.0	4.4	62.0	62.0	62.0	57.9	46.8	35.7	58.6	5.0	58.6	58.6	58.6	55.6	44.2	32.8
2250	72	68.1	4.5	60.2	48.4	36.5	24.7	—	—	63.5	5.1	57.5	45.8	34.1	22.3	—	—
	67	65.6	4.4	65.2	57.7	49.5	37.5	25.4	—	61.7	5.1	61.2	54.6	47.4	35.2	23.0	—
	62	65.5	4.4	65.5	64.0	62.5	50.2	37.9	25.6	61.6	5.1	61.4	61.1	60.7	48.0	35.4	22.7
	57	65.5	4.4	65.5	65.5	65.5	63.0	50.5	38.0	61.5	5.1	61.5	61.5	61.5	60.9	47.7	34.6
2500	72	69.5	4.5	64.4	51.2	38.0	24.8	—	—	64.9	5.1	61.4	48.4	35.5	22.5	—	—
	67	69.2	4.4	68.0	60.9	52.7	39.2	25.8	—	64.4	5.1	63.7	57.7	50.7	37.1	23.4	—
	62	69.0	4.4	68.2	67.8	67.4	53.7	40.0	26.3	64.1	5.1	63.9	63.9	63.9	51.6	37.4	23.1
	57	68.9	4.5	68.8	68.8	68.8	68.1	54.2	40.2	64.0	5.1	63.9	63.9	63.9	63.9	51.3	36.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 30: ZQ06 (5.0 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1250	77	59.3	5.7	31.6	26.3	21.0	—	—	—	54.5	6.4	29.9	24.6	19.2	—	—	—
	72	53.3	5.6	40.2	33.3	26.4	19.4	—	—	48.6	6.2	38.5	31.3	24.2	17.1	—	—
	67	48.2	5.5	47.5	40.3	31.7	25.3	18.8	—	45.0	6.1	44.2	38.1	29.2	22.7	16.3	—
	62	47.7	5.5	47.7	42.8	37.1	31.1	25.1	19.0	44.5	6.2	44.5	39.7	34.1	28.4	22.8	17.1
1500	77	59.6	5.7	36.7	28.5	20.2	—	—	—	54.7	6.4	35.0	26.6	18.2	—	—	—
	72	54.6	5.7	43.9	35.8	27.7	19.6	—	—	50.0	6.3	41.9	33.7	25.4	17.2	—	—
	67	51.2	5.6	50.0	43.1	35.1	27.2	19.2	—	48.2	6.2	45.4	40.7	32.7	24.7	16.8	—
	62	50.8	5.6	50.1	46.6	42.6	34.8	27.0	19.2	46.7	6.2	46.0	43.6	39.9	32.2	24.6	17.0
	57	50.5	5.6	50.3	50.2	50.0	42.4	34.8	27.1	46.2	6.2	46.1	46.1	46.1	39.8	32.4	25.1
1750	77	59.9	5.8	41.7	30.6	19.5	—	—	—	54.9	6.4	40.1	28.6	17.2	—	—	—
	72	56.0	5.7	47.5	38.3	29.0	19.7	—	—	51.4	6.3	45.3	36.0	26.7	17.4	—	—
	67	52.9	5.6	51.9	45.9	38.5	29.1	19.7	—	50.7	6.2	49.0	43.3	36.2	26.7	17.3	—
	62	52.5	5.6	52.0	50.5	48.0	38.5	28.9	19.4	50.2	6.3	49.3	47.5	45.6	36.1	26.5	16.9
	57	52.2	5.6	52.2	52.2	52.2	47.9	38.2	28.5	50.0	6.3	49.8	49.8	49.8	45.4	35.7	26.0
2000	77	60.1	5.8	46.7	32.7	18.7	—	—	—	55.1	6.4	45.2	30.7	16.2	—	—	—
	72	57.4	5.7	51.2	40.7	30.3	19.9	—	—	52.8	6.3	48.7	38.3	27.9	17.5	—	—
	67	54.7	5.7	54.7	48.7	41.9	31.0	20.1	—	51.8	6.3	50.2	45.9	39.7	28.7	17.7	—
	62	55.2	5.7	54.8	54.3	53.5	42.2	30.9	19.5	51.1	6.3	50.3	50.3	50.3	39.9	28.4	16.8
	57	55.0	5.7	54.8	54.8	54.8	53.3	41.6	29.8	50.5	6.3	50.5	50.5	50.5	50.5	39.0	26.9
2250	72	58.8	5.7	54.8	43.2	31.6	20.0	—	—	54.1	6.4	52.1	40.6	29.1	17.7	—	—
	67	57.6	5.7	57.0	51.6	45.3	32.9	20.6	—	53.6	6.3	52.4	48.5	43.2	30.7	18.2	—
	62	57.4	5.7	57.2	57.2	57.2	45.9	32.8	19.7	53.3	6.4	52.6	52.6	52.6	43.7	30.2	16.8
	57	57.2	5.7	57.2	57.2	57.2	57.2	45.0	31.2	53.0	6.4	52.9	52.9	52.9	52.9	42.2	27.8
2500	72	60.2	5.8	58.4	45.7	32.9	20.2	—	—	55.7	6.4	55.2	42.9	30.4	17.8	—	—
	67	59.9	5.7	59.0	54.4	48.7	34.9	21.1	—	55.6	6.4	55.3	51.1	46.7	32.7	18.7	—
	62	59.8	5.8	59.4	59.4	59.4	49.6	34.7	19.9	55.5	6.4	55.4	55.4	55.4	47.5	32.1	16.7
	57	59.7	5.8	59.6	59.6	59.6	59.6	48.4	32.5	55.4	6.4	55.4	55.4	55.4	55.4	45.5	28.6

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

ZXA7 cooling capacities

Table 31: ZXA7 (6 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1500	77	89.8	4.1	45.1	37.4	29.8	-	-	-	84.7	4.6	41.2	34.3	27.5	-	-	-
	72	82.1	4.0	55.6	47.1	38.5	30.0	-	-	76.7	4.5	52.7	44.4	36.1	27.9	-	-
	67	74.3	3.9	66.1	56.7	47.3	38.1	30.4	-	68.8	4.4	64.2	54.5	44.8	36.2	28.4	-
	62	74.4	3.9	72.9	63.5	56.0	45.6	39.4	31.1	70.8	4.4	68.1	60.3	53.5	44.3	37.2	29.0
1800	77	91.0	4.1	51.6	40.8	29.9	-	-	-	85.5	4.6	48.6	38.0	27.4	-	-	-
	72	84.1	4.0	59.7	50.0	40.3	30.5	-	-	78.8	4.5	57.1	47.5	37.8	28.2	-	-
	67	77.2	4.0	67.8	59.2	50.6	40.3	31.1	-	72.1	4.5	65.5	56.9	48.3	38.3	28.9	-
	62	74.7	4.0	73.8	67.4	60.9	49.4	41.3	31.5	71.2	4.5	69.9	64.3	58.7	48.0	39.1	29.3
	57	60.7	3.9	60.7	60.7	60.7	60.7	51.6	41.7	59.4	4.5	59.4	59.4	59.4	59.2	49.3	39.5
2100	77	92.2	4.1	58.1	44.1	30.1	-	-	-	86.4	4.6	56.0	41.7	27.4	-	-	-
	72	86.2	4.1	63.9	52.9	42.0	31.1	-	-	80.9	4.6	61.5	50.5	39.5	28.6	-	-
	67	80.1	4.0	69.6	61.8	54.0	42.4	31.7	-	75.4	4.5	66.9	59.3	51.7	40.3	29.3	-
	62	75.1	4.0	74.6	71.2	65.9	53.3	43.2	31.9	71.6	4.5	71.6	68.3	63.8	51.8	41.1	29.7
	57	61.4	4.0	61.4	61.4	61.4	61.4	54.7	43.2	59.6	4.5	59.6	59.6	59.6	59.6	52.8	41.2
2400	77	93.4	4.1	64.7	47.5	30.3	-	-	-	87.2	4.6	63.5	45.4	27.4	-	-	-
	72	88.2	4.1	68.0	55.9	43.8	31.7	-	-	83.0	4.6	65.9	53.5	41.2	28.9	-	-
	67	83.0	4.0	71.3	64.3	57.3	44.5	32.3	-	78.7	4.5	68.2	61.7	55.1	42.3	29.8	-
	62	75.4	4.0	75.4	75.1	70.8	57.1	45.1	32.3	72.0	4.5	72.0	72.0	69.0	55.6	43.0	30.0
	57	62.1	4.0	62.1	62.1	62.1	62.1	57.9	44.7	59.7	4.5	59.7	59.7	59.7	59.7	56.2	42.8
2700	72	90.2	4.1	72.1	58.8	45.5	32.3	-	-	85.1	4.6	70.3	56.6	42.9	29.3	-	-
	67	85.9	4.0	73.1	66.8	60.6	46.7	33.0	-	82.1	4.6	69.6	64.1	58.6	44.4	30.3	-
	62	75.8	4.0	75.8	75.8	75.7	61.0	47.0	32.7	72.3	4.6	72.3	72.3	72.3	59.4	45.0	30.4
	57	62.8	4.1	62.8	62.8	62.8	62.8	61.0	46.1	59.9	4.6	59.9	59.9	59.9	59.9	59.6	44.5
3000	72	92.3	4.1	76.2	61.8	47.3	32.8	-	-	87.2	4.6	74.7	59.6	44.6	29.6	-	-
	67	88.8	4.1	74.8	69.4	64.0	48.8	33.6	-	85.4	4.6	71.0	66.5	62.0	46.4	30.8	-
	62	76.2	4.1	76.2	76.2	76.2	64.8	48.9	33.0	72.7	4.6	72.7	72.7	72.7	63.1	46.9	30.7
	57	63.5	4.1	63.5	63.5	63.5	63.5	63.5	47.6	60.0	4.6	60.0	60.0	60.0	60.0	60.0	46.2

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

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Table 32: ZXA7 (6 ton, 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
1500	77	79.5	5.1	37.2	31.2	25.1	-	-	-	76.5	5.8	35.3	29.1	23.0	-	-	-
	72	71.4	5.0	49.7	41.7	33.8	25.8	-	-	67.1	5.7	47.4	39.5	31.6	23.6	-	-
	67	63.2	4.9	62.2	52.3	42.4	34.4	26.4	-	57.7	5.7	57.7	49.9	40.2	32.1	24.1	-
	62	67.3	4.9	63.3	57.2	51.0	43.0	34.9	26.8	63.8	5.7	59.9	54.3	48.7	40.6	32.4	24.3
1800	77	80.0	5.1	45.6	35.2	24.9	-	-	-	75.3	5.8	43.6	33.2	22.7	-	-	-
	72	73.5	5.0	54.4	44.9	35.4	25.9	-	-	68.5	5.8	52.0	42.5	33.1	23.7	-	-
	67	67.0	5.0	63.2	54.6	45.9	36.3	26.7	-	61.6	5.7	60.3	51.9	43.5	33.9	24.4	-
	62	67.7	5.0	66.1	61.3	56.4	46.7	36.9	27.1	64.0	5.7	62.4	58.2	53.9	44.2	34.5	24.7
	57	58.2	5.0	58.2	58.2	58.2	57.0	47.1	37.2	59.6	5.7	59.6	59.6	59.6	54.4	44.5	34.6
2100	77	80.5	5.1	53.9	39.3	24.7	-	-	-	74.2	5.8	52.0	37.2	22.5	-	-	-
	72	75.6	5.1	59.1	48.1	37.1	26.1	-	-	69.8	5.8	56.5	45.6	34.7	23.8	-	-
	67	70.7	5.0	64.2	56.8	49.4	38.2	27.0	-	65.4	5.7	61.0	54.0	46.9	35.8	24.7	-
	62	68.1	5.0	68.1	65.4	61.8	50.4	38.9	27.4	64.3	5.7	64.3	62.0	59.1	47.8	36.5	25.1
	57	57.8	5.0	57.8	57.8	57.8	57.8	50.8	39.1	58.0	5.7	58.0	58.0	58.0	58.0	47.6	35.7
2400	77	81.1	5.1	62.3	43.4	24.4	-	-	-	73.0	5.8	60.3	41.3	22.2	-	-	-
	72	77.8	5.1	63.7	51.2	38.7	26.2	-	-	71.2	5.8	61.0	48.6	36.2	23.9	-	-
	67	74.5	5.0	65.2	59.1	53.0	40.1	27.3	-	69.3	5.8	61.7	56.0	50.3	37.6	25.0	-
	62	68.5	5.0	68.5	68.5	67.2	54.1	40.9	27.7	64.5	5.7	64.5	64.5	64.3	51.4	38.5	25.6
	57	57.4	5.0	57.4	57.4	57.4	57.4	54.5	41.0	56.4	5.7	56.4	56.4	56.4	56.4	50.6	36.7
2700	72	79.9	5.1	68.4	54.4	40.3	26.3	-	-	72.5	5.8	65.5	51.7	37.8	23.9	-	-
	67	78.2	5.1	66.1	61.3	56.5	42.0	27.6	-	73.2	5.8	62.4	58.0	53.6	39.5	25.3	-
	62	68.9	5.1	68.9	68.9	68.9	57.8	42.9	28.0	64.8	5.8	64.8	64.8	64.8	55.0	40.5	26.0
	57	57.0	5.1	57.0	57.0	57.0	57.0	57.0	42.9	54.7	5.8	54.7	54.7	54.7	54.7	53.6	37.8
3000	72	82.0	5.1	73.1	57.5	42.0	26.4	-	-	73.8	5.8	70.1	54.7	39.4	24.0	-	-
	67	81.9	5.1	67.1	63.5	60.0	43.9	27.9	-	77.0	5.8	63.1	60.1	57.0	41.3	25.6	-
	62	69.3	5.1	69.3	69.3	69.3	61.5	44.9	28.4	65.0	5.8	65.0	65.0	65.0	58.6	42.5	26.5
	57	56.6	5.1	56.6	56.6	56.6	56.6	56.6	44.9	53.1	5.8	53.1	53.1	53.1	53.1	53.1	38.8
		115°F								125°F							
1500	77	73.4	6.5	33.3	27.1	20.8	-	-	-	70.4	7.2	31.4	25.0	18.6	-	-	-
	72	62.9	6.5	45.2	37.3	29.4	21.5	-	-	58.6	7.2	42.9	35.0	27.2	19.3	-	-
	67	52.3	6.4	52.3	47.4	37.9	29.8	21.8	-	46.8	7.2	46.8	45.0	35.7	27.6	19.5	-
	62	60.3	6.4	56.4	51.5	46.5	38.2	30.0	21.7	56.8	7.1	53.0	48.6	44.2	35.9	27.5	19.2
1800	77	70.6	6.5	41.7	31.1	20.6	-	-	-	65.9	7.2	39.7	29.0	18.4	-	-	-
	72	63.4	6.5	49.5	40.2	30.8	21.5	-	-	58.4	7.2	47.1	37.8	28.6	19.3	-	-
	67	56.2	6.5	56.2	49.3	41.1	31.6	22.1	-	50.9	7.2	50.9	46.6	38.7	29.3	19.8	-
	62	60.4	6.4	58.7	55.0	51.4	41.7	32.0	22.3	56.7	7.1	54.9	51.9	48.9	39.2	29.6	19.9
	57	61.1	6.4	59.9	59.9	59.9	51.8	41.9	32.0	62.6	7.1	55.3	55.3	55.3	49.2	39.3	29.5
2100	77	67.8	6.5	50.0	35.1	20.3	-	-	-	61.4	7.2	48.0	33.0	18.1	-	-	-
	72	64.0	6.5	53.9	43.1	32.3	21.5	-	-	58.2	7.2	51.3	40.6	30.0	19.3	-	-
	67	60.2	6.5	57.9	51.1	44.3	33.4	22.4	-	54.9	7.2	54.7	48.2	41.8	30.9	20.1	-
	62	60.5	6.4	60.5	58.6	56.4	45.2	34.0	22.9	56.7	7.2	56.7	55.2	53.6	42.6	31.6	20.6
	57	58.2	6.4	58.2	58.2	58.2	56.3	44.3	32.2	58.5	7.1	58.5	58.5	58.5	53.3	41.0	28.8
2400	77	64.9	6.5	58.3	39.2	20.0	-	-	-	56.9	7.2	56.3	37.0	17.8	-	-	-
	72	64.5	6.5	58.3	46.0	33.8	21.6	-	-	57.9	7.2	55.6	43.5	31.4	19.2	-	-
	67	64.1	6.5	58.3	52.9	47.6	35.1	22.7	-	59.0	7.2	54.9	49.9	44.9	32.6	20.4	-
	62	60.6	6.5	60.6	60.6	60.6	48.7	36.1	23.4	56.7	7.2	56.7	56.7	56.7	46.0	33.6	21.3
	57	55.3	6.4	55.3	55.3	55.3	55.3	46.6	32.4	54.3	7.1	54.3	54.3	54.3	54.3	42.7	28.1
2700	72	65.1	6.5	62.7	49.0	35.3	21.6	-	-	57.7	7.2	57.7	46.3	32.8	19.2	-	-
	67	68.1	6.5	58.7	54.8	50.8	36.9	23.0	-	63.1	7.2	55.1	51.5	47.9	34.3	20.7	-
	62	60.7	6.5	60.7	60.7	60.7	52.2	38.1	24.0	56.6	7.2	56.6	56.6	56.6	49.4	35.7	22.0
	57	52.5	6.5	52.5	52.5	52.5	52.5	49.0	32.6	50.2	7.2	50.2	50.2	50.2	50.2	44.4	27.4
3000	72	65.7	6.5	65.7	51.9	36.8	21.6	-	-	57.5	7.2	57.5	49.1	34.1	19.2	-	-
	67	72.1	6.5	59.2	56.6	54.0	38.6	23.3	-	67.1	7.2	55.2	53.1	51.0	36.0	21.0	-
	62	60.8	6.5	60.8	60.8	60.8	55.7	40.1	24.6	56.6	7.2	56.6	56.6	56.6	52.8	37.7	22.7
	57	49.6	6.5	49.6	49.6	49.6	49.6	49.6	32.8	46.1	7.2	46.1	46.1	46.1	46.1	46.1	26.8

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate Blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

ZY04 to 12 cooling capacities

Table 33: ZY04 (3.0 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
750	77	47.1	2.1	23.2	19.7	16.3	-	-	-	45.3	2.4	22.2	18.7	15.1	-	-	-
	72	43.9	2.1	28.3	24.1	19.9	15.8	-	-	41.7	2.4	27.4	23.1	18.9	14.7	-	-
	67	40.8	2.1	33.3	28.5	23.6	19.9	15.7	-	38.1	2.4	32.5	27.6	22.7	18.8	14.6	-
	62	36.2	2.1	34.8	31.0	27.2	22.8	19.8	16.2	35.0	2.4	33.6	30.1	26.6	22.3	18.7	14.8
900	77	47.9	2.1	26.0	21.3	16.7	-	-	-	46.0	2.4	25.2	20.5	15.7	-	-	-
	72	45.1	2.1	31.0	26.1	21.2	16.4	-	-	42.8	2.4	30.0	25.1	20.3	15.4	-	-
	67	42.2	2.1	35.9	30.8	25.8	21.2	16.4	-	39.7	2.4	34.8	29.8	24.8	20.1	15.3	-
	62	38.3	2.1	37.1	33.7	30.4	25.2	21.2	16.6	37.0	2.4	35.8	32.6	29.4	24.4	20.0	15.3
	57	38.3	2.1	38.3	36.6	34.9	30.5	26.0	21.5	36.6	2.4	36.6	35.4	34.0	29.4	24.8	20.2
1050	77	48.7	2.1	28.9	23.0	17.0	-	-	-	46.6	2.4	28.2	22.3	16.3	-	-	-
	72	46.2	2.1	33.7	28.1	22.5	17.0	-	-	44.0	2.4	32.7	27.1	21.6	16.1	-	-
	67	43.6	2.1	38.4	33.2	28.0	22.6	17.0	-	41.3	2.4	37.1	32.0	26.9	21.5	15.9	-
	62	40.4	2.1	39.4	36.5	33.5	27.6	22.5	17.0	39.0	2.4	37.9	35.1	32.2	26.5	21.3	15.9
	57	40.1	2.1	40.1	39.3	38.5	33.5	28.1	22.6	38.6	2.4	38.6	37.9	37.2	32.1	26.7	21.3
1200	77	49.6	2.1	31.7	24.6	17.4	-	-	-	47.3	2.4	31.2	24.1	16.9	-	-	-
	72	47.3	2.1	36.4	30.1	23.8	17.6	-	-	45.1	2.4	35.3	29.1	23.0	16.8	-	-
	67	45.0	2.1	41.0	35.6	30.2	24.0	17.6	-	42.8	2.4	39.4	34.2	29.0	22.8	16.6	-
	62	42.5	2.1	41.7	39.2	36.7	30.0	23.9	17.5	41.0	2.3	40.1	37.5	35.0	28.7	22.6	16.5
	57	42.0	2.1	42.0	42.0	42.0	36.6	30.1	23.7	40.5	2.3	40.5	40.5	40.5	34.9	28.7	22.5
1350	72	48.4	2.1	39.1	32.1	25.1	18.2	-	-	46.2	2.4	38.0	31.1	24.3	17.5	-	-
	67	46.4	2.1	43.5	38.0	32.5	25.4	18.2	-	44.4	2.3	41.7	36.4	31.1	24.2	17.3	-
	62	44.6	2.1	44.0	41.9	39.8	32.3	25.2	17.9	43.0	2.3	42.2	40.0	37.8	30.8	24.0	17.0
	57	43.8	2.1	43.8	43.8	43.8	39.7	32.2	24.7	42.4	2.3	42.4	42.4	42.4	37.6	30.6	23.6
1500	72	49.5	2.1	41.8	34.1	26.4	18.7	-	-	47.4	2.4	40.6	33.1	25.7	18.2	-	-
	67	47.8	2.1	46.1	40.4	34.7	26.7	18.8	-	46.0	2.3	44.0	38.6	33.1	25.6	18.0	-
	62	46.7	2.1	46.3	44.6	43.0	34.7	26.5	18.3	45.0	2.3	44.4	42.5	40.6	33.0	25.3	17.6
	57	45.7	2.1	45.7	45.7	45.7	42.7	34.3	25.8	44.3	2.3	44.3	44.3	44.3	40.3	32.6	24.8

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 34: ZY04 (3.0 ton, 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
750	77	43.5	2.6	21.3	17.6	13.8	-	-	-	39.8	3.1	20.9	16.8	12.8	-	-	-
	72	39.4	2.6	26.5	22.2	17.9	13.6	-	-	36.7	3.1	25.1	20.9	16.7	12.5	-	-
	67	35.4	2.6	31.7	26.8	21.9	17.7	13.4	-	33.6	3.1	29.4	25.0	20.7	16.5	12.3	-
	62	33.8	2.6	32.4	29.2	25.9	21.8	17.6	13.4	32.1	3.0	30.7	27.7	24.6	20.5	16.3	12.2
900	77	44.0	2.6	24.5	19.6	14.7	-	-	-	40.2	3.1	23.9	18.6	13.3	-	-	-
	72	40.6	2.6	29.1	24.2	19.3	14.4	-	-	37.6	3.1	27.6	22.8	17.9	13.1	-	-
	67	37.1	2.6	33.7	28.8	23.9	19.0	14.2	-	35.0	3.0	31.3	26.9	22.5	17.7	12.9	-
	62	35.7	2.6	34.5	31.4	28.4	23.6	18.9	14.1	33.6	3.0	32.5	29.8	27.2	22.3	17.5	12.7
	57	35.0	2.6	35.0	34.1	33.0	28.3	23.6	18.9	32.8	3.0	32.8	32.7	31.8	27.0	22.2	17.4
1050	77	44.6	2.6	27.6	21.6	15.6	-	-	-	40.7	3.1	26.9	20.3	13.8	-	-	-
	72	41.7	2.6	31.7	26.2	20.7	15.2	-	-	38.5	3.1	30.1	24.6	19.1	13.6	-	-
	67	38.9	2.6	35.8	30.8	25.8	20.3	14.9	-	36.4	3.0	33.3	28.9	24.4	18.9	13.4	-
	62	37.5	2.6	36.5	33.7	30.9	25.5	20.2	14.8	35.2	3.0	34.2	32.0	29.7	24.2	18.8	13.3
	57	37.0	2.6	37.0	36.6	36.0	30.7	25.4	20.1	34.6	3.0	34.6	34.6	34.6	29.5	24.1	18.6
1200	77	45.1	2.6	30.8	23.6	16.4	-	-	-	41.1	3.1	29.9	22.1	14.3	-	-	-
	72	42.9	2.6	34.3	28.2	22.1	16.0	-	-	39.4	3.1	32.6	26.4	20.3	14.2	-	-
	67	40.7	2.6	37.8	32.8	27.7	21.7	15.7	-	37.8	3.0	35.3	30.8	26.3	20.1	14.0	-
	62	39.4	2.6	38.5	35.9	33.4	27.4	21.4	15.5	36.8	3.0	36.0	34.1	32.2	26.1	20.0	13.8
	57	39.0	2.6	39.0	39.0	39.0	33.1	27.2	21.3	36.3	3.0	36.3	36.3	36.3	32.1	25.9	19.8
1350	72	44.0	2.6	36.9	30.2	23.5	16.8	-	-	40.4	3.1	35.0	28.3	21.5	14.7	-	-
	67	42.4	2.6	39.9	34.8	29.7	23.0	16.4	-	39.2	3.0	37.2	32.7	28.1	21.3	14.6	-
	62	41.3	2.6	40.5	38.2	35.8	29.3	22.7	16.2	38.4	3.0	37.7	36.3	34.8	28.0	21.2	14.4
	57	41.0	2.6	41.0	41.0	41.0	35.5	29.0	22.6	38.1	3.0	38.1	38.1	38.1	34.6	27.8	21.0
1500	72	45.2	2.6	39.5	32.2	24.9	17.6	-	-	41.3	3.1	37.5	30.1	22.7	15.3	-	-
	67	44.2	2.6	42.0	36.8	31.6	24.4	17.1	-	40.6	3.0	39.2	34.6	30.0	22.6	15.1	-
	62	43.2	2.6	42.5	40.4	38.3	31.2	24.0	16.8	40.0	3.0	39.5	38.4	37.3	29.9	22.4	15.0
	57	43.0	2.6	43.0	43.0	43.0	37.9	30.9	23.8	39.8	3.0	39.8	39.8	39.8	37.2	29.7	22.2
		115°F								125°F							
750	77	36.2	3.6	20.4	16.1	11.7	-	-	-	32.5	4.2	20.0	15.3	10.7	-	-	-
	72	34.0	3.5	23.8	19.7	15.6	11.5	-	-	31.2	4.0	22.4	18.4	14.4	10.4	-	-
	67	31.7	3.5	27.1	23.3	19.4	15.3	11.2	-	29.9	3.9	24.9	21.5	18.2	14.2	10.1	-
	62	30.3	3.5	29.0	26.2	23.3	19.2	15.1	10.9	28.6	3.9	27.3	24.6	22.0	17.9	13.8	9.7
900	77	36.5	3.6	23.3	17.6	11.9	-	-	-	32.7	4.1	22.7	16.6	10.5	-	-	-
	72	34.6	3.5	26.1	21.3	16.6	11.8	-	-	31.7	4.0	24.6	19.9	15.2	10.5	-	-
	67	32.8	3.5	29.0	25.1	21.2	16.4	11.6	-	30.7	3.9	26.6	23.3	19.9	15.1	10.3	-
	62	31.6	3.5	30.5	28.2	25.9	21.1	16.2	11.4	29.6	3.9	28.5	26.6	24.6	19.8	14.9	10.0
	57	30.7	3.4	30.7	30.7	30.6	25.7	20.8	16.0	28.5	3.9	28.5	28.5	28.5	24.4	19.4	14.5
1050	77	36.8	3.5	26.1	19.1	12.0	-	-	-	32.9	4.0	25.4	17.8	10.3	-	-	-
	72	35.3	3.5	28.5	23.0	17.5	12.1	-	-	32.1	4.0	26.8	21.4	16.0	10.5	-	-
	67	33.9	3.5	30.8	26.9	23.0	17.5	12.0	-	31.4	3.9	28.3	25.0	21.6	16.1	10.5	-
	62	32.9	3.4	32.0	30.2	28.5	22.9	17.4	11.8	30.6	3.9	29.8	28.5	27.3	21.6	16.0	10.3
	57	32.2	3.4	32.2	32.2	32.2	28.4	22.7	17.1	29.8	3.8	29.8	29.8	29.8	27.2	21.4	15.7
1200	77	37.1	3.5	29.0	20.6	12.2	-	-	-	33.0	3.9	28.0	19.1	10.1	-	-	-
	72	36.0	3.5	30.8	24.7	18.5	12.4	-	-	32.6	4.0	29.1	22.9	16.7	10.5	-	-
	67	35.0	3.4	32.7	28.7	24.8	18.6	12.4	-	32.1	3.8	30.1	26.7	23.3	17.0	10.7	-
	62	34.2	3.4	33.5	32.3	31.1	24.8	18.5	12.2	31.5	3.8	31.0	30.5	29.9	23.5	17.1	10.6
	57	33.7	3.4	33.7	33.7	33.7	31.0	24.7	18.3	31.0	3.8	31.0	31.0	31.0	30.0	23.4	16.8
1350	72	36.7	3.5	33.2	26.3	19.5	12.6	-	-	33.0	4.0	31.3	24.4	17.5	10.6	-	-
	67	36.0	3.4	34.5	30.5	26.6	19.7	12.7	-	32.8	3.8	31.8	28.4	25.0	18.0	10.9	-
	62	35.5	3.4	35.0	34.3	33.7	26.7	19.7	12.7	32.5	3.8	32.3	32.3	32.3	25.4	18.1	10.9
	57	35.1	3.4	35.1	35.1	35.1	33.7	26.6	19.5	32.2	3.8	32.2	32.2	32.2	32.2	25.4	18.0
1500	72	37.4	3.5	35.5	28.0	20.5	12.9	-	-	33.5	3.9	33.5	25.9	18.2	10.6	-	-
	67	37.1	3.4	36.4	32.4	28.4	20.7	13.1	-	33.5	3.8	33.5	30.1	26.7	18.9	11.1	-
	62	36.7	3.4	36.5	36.4	36.3	28.6	20.8	13.1	33.5	3.8	33.5	33.5	33.5	27.2	19.2	11.2
	57	36.6	3.4	36.6	36.6	36.6	36.4	28.5	20.7	33.5	3.8	33.5	33.5	33.5	33.5	27.4	19.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 35: ZY05 (4.0 ton, 75°F to 105°F)

Air on Evaporator Coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1000	77	64.9	2.8	32.3	27.2	22.1	-	-	-	59.9	3.1	30.9	26.2	21.5	-	-	-
	72	58.5	2.8	38.1	32.7	27.3	21.9	-	-	55.5	3.1	36.9	31.7	26.5	21.2	-	-
	67	52.1	2.8	44.0	38.3	32.6	26.9	21.8	-	51.2	3.1	43.0	37.2	31.5	26.0	20.8	-
	62	49.9	2.7	49.3	43.6	37.9	31.5	27.1	21.7	48.9	3.1	47.3	41.9	36.5	30.6	25.7	20.3
1200	77	65.4	2.8	35.9	29.1	22.4	-	-	-	60.6	3.1	34.8	28.2	21.5	-	-	-
	72	59.9	2.8	41.6	35.3	28.9	22.5	-	-	56.8	3.1	40.4	34.1	27.8	21.6	-	-
	67	54.4	2.8	47.4	41.4	35.4	28.7	22.5	-	53.1	3.1	45.9	40.1	34.2	27.7	21.4	-
	62	52.5	2.7	51.8	46.9	42.0	34.6	28.9	22.3	51.1	3.1	49.7	45.1	40.6	33.6	27.5	20.9
	57	51.8	2.7	51.8	51.8	48.5	41.9	35.2	28.6	49.7	3.1	49.7	49.7	47.0	40.3	33.5	26.8
1400	77	66.0	2.8	39.5	31.1	22.7	-	-	-	61.3	3.2	38.8	30.1	21.5	-	-	-
	72	61.3	2.8	45.1	37.8	30.5	23.1	-	-	58.1	3.2	43.8	36.5	29.2	21.9	-	-
	67	56.7	2.8	50.8	44.5	38.3	30.6	23.2	-	55.0	3.1	48.9	42.9	37.0	29.4	21.9	-
	62	55.1	2.8	54.4	50.2	46.1	37.8	30.7	22.9	53.3	3.1	52.0	48.4	44.7	36.7	29.3	21.5
	57	54.4	2.7	54.4	54.4	52.8	46.0	38.1	30.2	52.1	3.1	52.1	52.1	51.9	44.5	36.6	28.6
1600	77	66.6	2.8	43.1	33.0	22.9	-	-	-	62.0	3.2	42.7	32.1	21.4	-	-	-
	72	62.8	2.8	48.6	40.3	32.0	23.7	-	-	59.4	3.2	47.3	38.9	30.6	22.2	-	-
	67	58.9	2.8	54.2	47.6	41.1	32.4	23.9	-	56.9	3.2	51.8	45.8	39.7	31.0	22.5	-
	62	57.7	2.8	56.9	53.5	50.2	40.9	32.4	23.6	55.6	3.2	54.4	51.6	48.9	39.8	31.0	22.1
	57	57.0	2.8	57.0	57.0	57.0	50.1	40.9	31.8	54.6	3.1	54.6	54.6	54.6	48.8	39.6	30.4
1800	72	64.2	2.8	52.1	42.9	33.6	24.3	-	-	60.7	3.2	50.7	41.3	32.0	22.6	-	-
	67	61.2	2.8	57.6	50.7	43.9	34.2	24.6	-	58.8	3.2	54.8	48.6	42.5	32.7	23.0	-
	62	60.3	2.8	59.4	56.9	54.3	44.0	34.2	24.2	57.8	3.2	56.8	54.9	53.0	42.8	32.8	22.8
	57	59.6	2.8	59.6	59.6	59.6	54.2	43.8	33.4	57.0	3.2	57.0	57.0	57.0	53.1	42.7	32.2
2000	72	65.6	2.8	55.7	45.4	35.1	24.9	-	-	62.0	3.2	54.2	43.8	33.3	22.9	-	-
	67	63.5	2.8	61.0	53.9	46.8	36.0	25.3	-	60.7	3.2	57.7	51.5	45.3	34.4	23.6	-
	62	62.9	2.8	62.0	60.2	58.4	47.2	36.0	24.8	60.0	3.2	59.2	58.2	57.2	45.9	34.6	23.4
	57	62.2	2.8	62.2	62.2	62.2	58.3	46.6	35.0	59.4	3.2	59.4	59.4	59.4	57.4	45.7	34.0
		95°F								105°F							
1000	77	55.0	3.5	29.5	25.2	20.9	-	-	-	51.7	4.1	28.6	24.4	20.3	-	-	-
	72	52.6	3.5	35.8	30.7	25.6	20.5	-	-	48.7	4.1	34.4	29.4	24.5	19.6	-	-
	67	50.2	3.5	42.0	36.2	30.3	25.1	19.8	-	46.1	4.1	40.2	34.5	28.8	23.7	18.7	-
	62	47.8	3.5	45.3	40.2	35.0	29.6	24.2	18.8	44.5	4.1	42.8	37.9	33.0	27.9	22.7	17.6
1200	77	55.8	3.5	33.8	27.2	20.6	-	-	-	52.2	4.1	32.7	26.2	19.7	-	-	-
	72	53.8	3.5	39.1	33.0	26.8	20.6	-	-	50.0	4.1	37.6	31.6	25.6	19.5	-	-
	67	51.8	3.5	44.5	38.8	33.0	26.6	20.2	-	47.7	4.1	42.5	36.9	31.4	25.2	19.0	-
	62	49.7	3.5	47.5	43.4	39.2	32.6	26.0	19.4	46.3	4.1	44.8	41.0	37.2	30.8	24.5	18.1
	57	47.6	3.6	47.6	47.6	45.4	38.6	31.8	25.0	44.9	4.1	44.9	44.9	43.0	36.5	29.9	23.4
1400	77	56.6	3.5	38.1	29.2	20.3	-	-	-	52.7	4.1	36.9	28.0	19.2	-	-	-
	72	54.9	3.5	42.5	35.3	28.0	20.7	-	-	51.2	4.1	40.8	33.7	26.6	19.5	-	-
	67	53.3	3.5	47.0	41.3	35.7	28.2	20.6	-	49.3	4.1	44.8	39.4	34.0	26.6	19.3	-
	62	51.6	3.5	49.7	46.6	43.4	35.6	27.9	20.1	48.1	4.1	46.9	44.1	41.3	33.8	26.2	18.6
	57	49.9	3.5	49.9	49.9	49.9	43.1	35.1	27.1	47.0	4.1	47.0	47.0	47.0	40.9	33.1	25.3
1600	77	57.4	3.5	42.3	31.1	19.9	-	-	-	53.3	4.1	41.0	29.9	18.7	-	-	-
	72	56.1	3.5	45.9	37.5	29.2	20.8	-	-	52.4	4.1	44.1	35.8	27.6	19.4	-	-
	67	54.8	3.5	49.5	43.9	38.4	29.7	21.0	-	50.9	4.1	47.1	41.8	36.6	28.1	19.5	-
	62	53.4	3.5	51.9	49.8	47.6	38.6	29.7	20.7	50.0	4.1	48.9	47.2	45.5	36.7	27.9	19.1
	57	52.1	3.5	52.1	52.1	52.1	47.6	38.3	29.1	49.1	4.1	49.1	49.1	49.1	45.4	36.3	27.2
1800	72	57.3	3.5	49.3	39.8	30.3	20.9	-	-	53.6	4.1	47.3	38.0	28.7	19.3	-	-
	67	56.3	3.5	52.0	46.5	41.1	31.2	21.4	-	52.5	4.1	49.5	44.3	39.2	29.5	19.8	-
	62	55.3	3.5	54.1	53.0	51.8	41.6	31.5	21.3	51.8	4.1	51.0	50.3	49.7	39.6	29.6	19.6
	57	54.3	3.5	54.3	54.3	54.3	52.0	41.5	31.1	51.2	4.1	51.2	51.2	51.2	49.8	39.5	29.1
2000	72	58.4	3.5	52.7	42.1	31.5	20.9	-	-	54.8	4.1	50.5	40.1	29.7	19.3	-	-
	67	57.8	3.5	54.5	49.1	43.8	32.8	21.8	-	54.1	4.2	51.8	46.8	41.8	30.9	20.1	-
	62	57.2	3.5	56.3	56.2	56.0	44.6	33.3	22.0	53.7	4.1	53.1	53.1	53.1	42.6	31.4	20.2
	57	56.6	3.5	56.6	56.6	56.6	56.5	44.8	33.1	53.2	4.1	53.2	53.2	53.2	53.2	42.6	31.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 36: ZY05 (4.0 ton, 115°F to 125°F)

Air on Evaporator Coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
		115°F								125°F							
1000	77	48.4	4.8	27.7	23.6	19.6	-	-	-	45.1	5.4	26.7	22.9	19.0	-	-	-
	72	44.9	4.7	33.0	28.2	23.4	18.7	-	-	41.0	5.3	31.6	27.0	22.4	17.7	-	-
	67	41.9	4.7	38.3	32.8	27.2	22.4	17.6	-	37.8	5.2	36.5	31.1	25.7	21.1	16.4	-
	62	41.1	4.6	40.3	35.6	31.0	26.1	21.2	16.3	37.8	5.2	37.8	33.4	29.0	24.4	19.7	15.1
1200	77	48.6	4.8	31.7	25.3	18.9	-	-	-	45.1	5.4	30.6	24.3	18.1	-	-	-
	72	46.1	4.7	36.1	30.2	24.3	18.4	-	-	42.3	5.3	34.5	28.8	23.1	17.4	-	-
	67	43.6	4.7	40.5	35.1	29.7	23.7	17.7	-	39.5	5.3	38.4	33.3	28.1	22.3	16.5	-
	62	42.9	4.7	42.2	38.7	35.1	29.0	22.9	16.7	39.5	5.2	39.5	36.3	33.1	27.2	21.3	15.4
	57	42.2	4.6	42.2	42.2	40.6	34.3	28.0	21.8	39.5	5.2	39.5	39.3	38.1	32.1	26.1	20.1
1400	77	48.9	4.7	35.7	26.9	18.2	-	-	-	45.0	5.3	34.5	25.8	17.1	-	-	-
	72	47.4	4.7	39.1	32.2	25.2	18.2	-	-	43.6	5.3	37.5	30.6	23.8	17.0	-	-
	67	45.3	4.7	42.6	37.4	32.2	25.1	17.9	-	41.3	5.3	40.4	35.5	30.5	23.5	16.5	-
	62	44.7	4.7	44.1	41.7	39.3	31.9	24.5	17.1	41.3	5.2	41.2	39.2	37.2	30.0	22.8	15.7
	57	44.1	4.6	44.1	44.1	44.1	38.7	31.1	23.6	41.3	5.2	41.3	41.3	41.3	36.5	29.2	21.8
1600	77	49.1	4.7	39.7	28.6	17.4	-	-	-	44.9	5.3	38.4	27.3	16.2	-	-	-
	72	48.7	4.7	42.2	34.2	26.1	18.0	-	-	44.9	5.3	40.4	32.5	24.6	16.6	-	-
	67	47.0	4.7	44.8	39.8	34.7	26.4	18.1	-	43.1	5.3	42.4	37.7	32.9	24.7	16.6	-
	62	46.5	4.7	46.0	44.7	43.4	34.8	26.2	17.5	43.1	5.2	43.0	42.1	41.3	32.9	24.4	16.0
	57	46.1	4.6	46.1	46.1	46.1	43.2	34.3	25.4	43.0	5.2	43.0	43.0	43.0	41.0	32.2	23.5
1800	72	49.9	4.7	45.3	36.1	27.0	17.8	-	-	46.3	5.3	43.3	34.3	25.3	16.3	-	-
	67	48.7	4.7	46.9	42.1	37.2	27.7	18.2	-	44.9	5.3	44.4	39.9	35.3	26.0	16.6	-
	62	48.3	4.7	47.9	47.7	47.5	37.7	27.8	17.9	44.8	5.3	44.7	44.7	44.7	35.7	26.0	16.2
	57	48.0	4.6	48.0	48.0	48.0	47.6	37.4	27.2	44.8	5.2	44.8	44.8	44.8	44.8	35.3	25.2
2000	72	51.2	4.7	48.4	38.1	27.9	17.6	-	-	47.6	5.3	46.2	36.1	26.0	15.9	-	-
	67	50.4	4.8	49.1	44.4	39.8	29.1	18.4	-	46.7	5.4	46.4	42.1	37.8	27.2	16.7	-
	62	50.1	4.7	49.8	49.8	49.8	40.5	29.4	18.3	46.6	5.3	46.5	46.5	46.5	38.5	27.5	16.5
	57	49.9	4.6	49.9	49.9	49.9	49.9	40.5	29.0	46.5	5.2	46.5	46.5	46.5	46.5	38.4	26.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 37: ZY06 (5.0 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1250	77	78.9	3.4	37.6	31.8	26.0	-	-	-	75.5	4.1	39.5	32.5	25.4	-	-	-
	72	71.2	3.4	46.4	39.6	32.9	26.1	-	-	67.9	3.8	46.5	39.2	31.8	24.5	-	-
	67	63.4	3.4	55.1	47.4	39.8	33.1	26.3	-	60.2	3.5	53.5	45.9	38.3	31.4	24.5	-
	62	60.2	3.3	56.9	51.8	46.7	38.1	33.2	26.5	57.8	3.7	54.7	49.7	44.7	37.3	31.8	25.3
1500	77	79.2	3.4	43.0	34.9	26.9	-	-	-	75.3	3.9	43.0	33.7	24.4	-	-	-
	72	72.7	3.4	51.1	43.0	34.9	26.9	-	-	69.0	3.8	49.4	41.2	33.0	24.8	-	-
	67	66.3	3.4	59.1	51.1	43.0	35.1	27.0	-	62.8	3.8	55.8	48.7	41.6	33.4	25.2	-
	62	63.6	3.3	60.8	55.9	51.0	41.7	35.3	27.4	60.7	3.8	58.2	54.2	50.2	41.2	33.7	25.4
	57	62.5	3.3	62.5	60.8	59.1	51.3	43.5	35.7	59.4	3.7	59.4	59.4	58.8	50.5	42.2	33.9
1750	77	79.5	3.5	48.4	38.1	27.8	-	-	-	75.1	3.6	46.6	35.0	23.4	-	-	-
	72	74.3	3.4	55.8	46.4	37.0	27.6	-	-	70.2	3.8	52.3	43.3	34.2	25.1	-	-
	67	69.2	3.4	63.1	54.7	46.2	37.0	27.8	-	65.3	4.0	58.1	51.5	44.9	35.4	25.8	-
	62	67.1	3.4	64.7	60.1	55.4	45.3	37.3	28.3	63.7	3.8	61.6	58.6	55.7	45.1	35.6	25.6
	57	66.1	3.3	66.1	65.3	64.4	55.8	46.9	38.0	62.6	3.5	62.6	62.6	62.6	55.9	45.4	34.9
2000	77	79.7	3.5	53.8	41.2	28.7	-	-	-	74.9	3.4	50.1	36.3	22.4	-	-	-
	72	75.9	3.4	60.5	49.8	39.1	28.3	-	-	71.4	3.9	55.2	45.3	35.4	25.4	-	-
	67	72.0	3.4	67.2	58.3	49.4	39.0	28.5	-	67.8	4.3	60.4	54.3	48.3	37.4	26.5	-
	62	70.5	3.4	68.7	64.2	59.8	48.8	39.4	29.1	66.6	3.8	65.0	63.1	61.2	49.0	37.5	25.7
	57	69.8	3.4	69.8	69.8	69.8	60.2	50.2	40.2	65.8	3.3	65.8	65.8	65.8	61.4	48.6	35.8
2250	72	77.5	3.5	65.2	53.1	41.1	29.1	-	-	72.5	3.9	58.1	47.3	36.5	25.7	-	-
	67	74.9	3.4	71.2	61.9	52.7	41.0	29.2	-	70.4	4.5	62.6	57.1	51.6	39.4	27.2	-
	62	74.0	3.4	72.6	68.4	64.2	52.4	41.4	30.0	69.6	3.8	68.4	67.6	66.7	52.9	39.5	25.8
	57	73.4	3.4	73.4	73.4	73.4	64.7	53.6	42.5	68.9	3.1	68.9	68.9	68.9	66.8	51.7	36.7
2500	72	79.0	3.5	69.9	56.5	43.2	29.8	-	-	73.7	3.9	61.0	49.4	37.7	26.1	-	-
	67	77.8	3.4	75.2	65.5	55.9	42.9	30.0	-	72.9	4.8	64.9	60.0	55.0	41.4	27.9	-
	62	77.4	3.4	76.5	72.6	68.6	56.0	43.5	30.9	72.5	3.8	71.9	71.9	71.9	56.8	41.4	26.0
	57	77.0	3.4	77.0	77.0	77.0	69.1	56.9	44.8	72.1	2.9	72.1	72.1	72.1	72.1	54.9	37.6
		95°F								105°F							
1250	77	72.1	4.7	41.5	33.1	24.8	-	-	-	65.0	5.3	38.6	30.7	22.7	-	-	-
	72	64.6	4.2	46.6	38.7	30.8	22.9	-	-	59.3	4.9	43.9	36.3	28.7	21.2	-	-
	67	57.0	3.7	51.8	44.3	36.8	29.7	22.6	-	53.9	4.6	49.2	42.0	34.8	27.8	20.8	-
	62	55.3	4.1	52.6	47.7	42.7	36.5	30.3	24.1	52.2	4.8	49.7	45.3	40.8	34.4	28.0	21.6
1500	77	71.4	4.3	43.1	32.5	22.0	-	-	-	65.0	5.0	41.1	30.9	20.6	-	-	-
	72	65.3	4.2	47.8	39.4	31.1	22.8	-	-	60.5	4.9	45.8	37.6	29.4	21.2	-	-
	67	59.2	4.2	52.4	46.3	40.2	31.7	23.3	-	55.9	4.9	50.4	44.3	38.1	29.8	21.4	-
	62	57.8	4.2	55.5	52.4	49.4	40.7	32.1	23.5	54.5	4.8	52.5	49.7	46.9	38.4	29.8	21.2
	57	56.4	4.1	56.4	56.4	56.4	49.7	40.9	32.2	53.2	4.8	53.2	53.2	53.2	47.0	38.2	29.5
1750	77	70.8	3.8	44.8	31.9	19.1	-	-	-	65.0	4.7	43.7	31.1	18.5	-	-	-
	72	66.1	4.3	48.9	40.1	31.4	22.6	-	-	61.6	4.9	47.6	38.8	30.0	21.2	-	-
	67	61.4	4.7	53.0	48.3	43.7	33.8	23.9	-	58.0	5.2	51.6	46.5	41.5	31.7	22.0	-
	62	60.2	4.2	58.4	57.2	56.0	44.9	33.9	22.9	56.9	4.8	55.3	54.1	53.0	42.3	31.6	20.9
	57	59.1	3.7	59.1	59.1	59.1	56.1	43.9	31.7	55.8	4.5	55.8	55.8	55.8	52.9	41.3	29.6
2000	77	70.1	3.4	46.4	31.3	16.2	-	-	-	65.1	4.3	46.2	31.3	16.3	-	-	-
	72	66.8	4.3	50.0	40.8	31.7	22.5	-	-	62.7	4.9	49.5	40.0	30.6	21.2	-	-
	67	63.6	5.2	53.6	50.3	47.1	35.8	24.5	-	60.0	5.5	52.8	48.8	44.9	33.7	22.6	-
	62	62.7	4.2	61.4	61.4	61.4	49.2	35.7	22.3	59.2	4.8	58.0	58.0	58.0	46.3	33.5	20.6
	57	61.8	3.3	61.8	61.8	61.8	61.8	46.9	31.3	58.3	4.2	58.3	58.3	58.3	58.3	44.3	29.8
2250	72	67.6	4.3	51.1	41.5	32.0	22.4	-	-	63.8	4.9	51.4	41.3	31.2	21.1	-	-
	67	65.8	5.6	54.1	52.4	50.6	37.9	25.2	-	62.0	5.8	54.0	51.1	48.2	35.7	23.2	-
	62	65.1	4.2	64.3	64.3	64.3	53.4	37.5	21.7	61.5	4.9	60.8	60.8	60.8	50.3	35.3	20.3
	57	64.5	2.8	64.5	64.5	64.5	64.5	49.9	30.9	60.9	3.9	60.9	60.9	60.9	60.9	47.4	29.9
2500	72	68.3	4.3	52.2	42.2	32.3	22.3	-	-	64.9	4.9	53.2	42.5	31.8	21.1	-	-
	67	68.0	6.1	54.7	54.4	54.1	39.9	25.8	-	64.1	6.1	55.2	53.4	51.6	37.7	23.8	-
	62	67.6	4.3	67.2	67.2	67.2	57.6	39.3	21.1	63.8	4.9	63.5	63.5	63.5	54.2	37.1	20.0
	57	67.2	2.4	67.2	67.2	67.2	67.2	52.9	30.5	63.5	3.6	63.5	63.5	63.5	63.5	50.4	30.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 38: ZY06 (5.0 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1250	77	57.8	5.9	35.8	28.2	20.6	-	-	-	50.6	6.4	33.0	25.7	18.5	-	-	-
	72	54.1	5.7	41.2	33.9	26.7	19.5	-	-	48.9	6.4	38.4	31.5	24.6	17.8	-	-
	67	50.8	5.4	46.5	39.7	32.8	25.9	18.9	-	47.6	6.3	43.9	37.3	30.8	23.9	17.1	-
	62	49.1	5.5	46.9	42.9	38.9	32.3	25.6	19.0	46.0	6.2	44.1	40.5	36.9	30.1	23.3	16.5
1500	77	58.5	5.7	39.2	29.2	19.2	-	-	-	52.1	6.4	37.2	27.5	17.9	-	-	-
	72	55.6	5.6	43.8	35.7	27.6	19.6	-	-	50.7	6.3	41.8	33.9	25.9	18.0	-	-
	67	52.6	5.6	48.4	42.2	36.1	27.8	19.5	-	49.4	6.2	46.4	40.2	34.0	25.8	17.6	-
	62	51.3	5.5	49.5	47.0	44.5	36.0	27.5	19.0	48.0	6.2	46.5	44.3	42.0	33.6	25.2	16.8
	57	49.9	5.4	49.9	49.9	49.9	44.2	35.5	26.8	46.7	6.1	46.6	46.6	46.6	41.4	32.8	24.1
1750	77	59.3	5.5	42.6	30.2	17.8	-	-	-	53.6	6.3	41.5	29.4	17.2	-	-	-
	72	57.1	5.6	46.4	37.5	28.6	19.7	-	-	52.5	6.2	45.2	36.2	27.2	18.2	-	-
	67	54.5	5.7	50.2	44.8	39.3	29.7	20.0	-	51.1	6.2	48.8	43.0	37.1	27.6	18.1	-
	62	53.5	5.5	52.1	51.1	50.1	39.7	29.3	19.0	50.1	6.1	48.9	48.0	47.1	37.1	27.0	17.0
	57	52.4	5.3	52.4	52.4	52.4	49.7	38.6	27.5	49.1	6.1	49.0	49.0	49.0	46.5	36.0	25.4
2000	77	60.1	5.3	46.0	31.2	16.4	-	-	-	55.0	6.2	45.8	31.2	16.6	-	-	-
	72	58.5	5.5	49.0	39.3	29.5	19.8	-	-	54.4	6.2	48.5	38.5	28.4	18.4	-	-
	67	56.4	5.8	52.0	47.3	42.6	31.6	20.6	-	52.8	6.2	51.3	45.8	40.3	29.5	18.6	-
	62	55.6	5.5	54.7	54.7	54.7	43.4	31.2	18.9	52.1	6.1	51.4	51.4	51.4	40.6	28.9	17.2
	57	54.9	5.1	54.9	54.9	54.9	54.9	41.7	28.2	51.5	6.1	51.4	51.4	51.4	51.4	39.2	26.7
2250	72	60.0	5.5	51.6	41.0	30.5	19.9	-	-	56.2	6.1	51.9	40.8	29.7	18.6	-	-
	67	58.3	6.0	53.9	49.9	45.9	33.5	21.2	-	54.5	6.1	53.7	48.6	43.5	31.3	19.2	-
	62	57.8	5.5	57.3	57.3	57.3	47.1	33.0	18.9	54.2	6.1	53.8	53.8	53.8	44.0	30.8	17.5
	57	57.4	5.0	57.4	57.4	57.4	57.4	44.9	29.0	53.8	6.1	53.8	53.8	53.8	53.8	42.4	28.0
2500	72	61.4	5.5	54.2	42.8	31.4	20.0	-	-	58.0	6.0	55.3	43.1	31.0	18.8	-	-
	67	60.1	6.1	55.7	52.4	49.1	35.4	21.7	-	56.2	6.1	56.2	51.4	46.7	33.2	19.7	-
	62	60.0	5.5	59.9	59.9	59.9	50.9	34.9	18.9	56.2	6.1	56.2	56.2	56.2	47.5	32.6	17.7
	57	59.9	4.8	59.9	59.9	59.9	59.9	48.0	29.7	56.2	6.1	56.2	56.2	56.2	56.2	45.6	29.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 39: ZYA7 (6.0 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1500	77	91.7	4.2	43.9	38.2	32.4	-	-	-	88.0	4.7	40.2	34.9	29.5	-	-	-
	72	83.7	4.1	56.4	48.2	40.0	31.8	-	-	79.7	4.6	53.8	45.6	37.5	29.4	-	-
	67	75.6	4.1	68.9	58.2	47.6	39.7	31.9	-	71.4	4.6	67.3	56.4	45.5	37.4	29.4	-
	62	73.2	4.1	73.2	64.2	55.2	46.2	40.2	32.7	70.8	4.5	70.3	61.5	53.5	44.8	37.7	29.8
1800	77	93.1	4.2	52.0	42.2	32.4	-	-	-	88.4	4.7	50.1	40.2	30.3	-	-	-
	72	85.7	4.2	61.0	51.5	41.914	32.4	-	-	81.4	4.6	59.1	49.4	39.8	30.2	-	-
	67	78.4	4.1	70.1	60.7	51.4	42.0	32.7	-	74.3	4.6	68.0	58.7	49.4	39.8	30.3	-
	62	73.8	4.1	73.8	67.8	60.9	50.5	42.5	33.3	71.2	4.6	71.2	65.4	58.9	48.9	40.0	30.6
	57	60.7	4.1	60.7	60.7	60.7	60.7	52.4	43.4	59.4	4.6	59.4	59.4	59.4	59.1	49.8	40.4
2100	77	94.5	4.2	60.1	46.3	32.4	-	-	-	88.9	4.7	59.9	45.5	31.0	-	-	-
	72	87.8	4.2	65.7	54.8	43.8	32.9	-	-	83.1	4.6	64.3	53.2	42.1	31.0	-	-
	67	81.1	4.1	71.2	63.2	55.2	44.3	33.4	-	77.2	4.6	68.8	61.0	53.2	42.2	31.2	-
	62	74.4	4.1	74.4	71.4	66.6	54.9	44.8	34.0	71.6	4.6	71.6	69.2	64.3	52.9	42.4	31.4
	57	61.3	4.1	61.3	61.3	61.3	61.3	56.3	45.4	59.4	4.6	59.4	59.4	59.4	59.4	53.6	42.7
2400	77	95.9	4.3	68.2	50.3	32.5	-	-	-	89.4	4.7	69.7	50.8	31.8	-	-	-
	72	89.9	4.2	70.3	58.0	45.7	33.5	-	-	84.8	4.7	69.6	57.0	44.5	31.9	-	-
	67	83.8	4.2	72.4	65.7	59.0	46.6	34.2	-	80.2	4.6	69.5	63.3	57.1	44.6	32.0	-
	62	75.0	4.2	75.0	75.0	72.3	59.2	47.2	34.6	71.9	4.6	71.9	71.9	69.8	57.0	44.8	32.3
	57	61.9	4.1	61.9	61.9	61.9	61.9	60.2	47.5	59.4	4.6	59.4	59.4	59.4	59.4	57.5	45.1
2700	72	91.9	4.2	75.0	61.3	47.7	34.0	-	-	86.5	4.7	74.9	60.8	46.8	32.7	-	-
	67	86.5	4.2	73.6	68.2	62.8	48.9	34.9	-	83.1	4.6	70.2	65.6	61.0	46.9	32.9	-
	62	75.6	4.2	75.6	75.6	75.6	63.5	49.5	35.3	72.3	4.6	72.3	72.3	72.3	61.0	47.1	33.1
	57	62.5	4.2	62.5	62.5	62.5	62.5	62.5	49.6	59.4	4.6	59.4	59.4	59.4	59.4	59.4	47.4
3000	72	94.0	4.3	79.6	64.6	49.578	34.6	-	-	88.2	4.7	80.2	64.6	49.1	33.5	-	-
	67	89.2	4.2	74.8	70.7	66.6	51.2	35.7	-	86.0	4.7	71.0	67.9	64.8	49.3	33.7	-
	62	76.2	4.2	76.2	76.2	76.2	67.8	51.9	35.9	72.7	4.7	72.7	72.7	72.7	65.1	49.5	33.9
	57	63.1	4.2	63.1	63.1	63.1	63.1	63.1	51.6	59.4	4.6	59.4	59.4	59.4	59.4	59.4	49.7
		95°F								105°F							
1500	77	84.3	5.1	36.5	31.6	26.7	-	-	-	82.7	5.8	36.9	31.0	25.2	-	-	-
	72	75.7	5.1	51.2	43.1	35.0	26.9	-	-	71.6	5.8	49.9	41.6	33.4	25.1	-	-
	67	67.1	5.0	65.8	54.6	43.4	35.2	27.0	-	60.5	5.7	60.5	52.3	41.5	33.1	24.7	-
	62	68.3	5.0	66.1	58.9	51.7	43.4	35.2	26.9	64.6	5.7	62.5	56.1	49.7	41.1	32.6	24.0
1800	77	83.8	5.1	48.1	38.1	28.2	-	-	-	80.4	5.8	47.1	36.5	26.0	-	-	-
	72	77.0	5.1	57.1	47.4	37.728	28.1	-	-	72.1	5.8	55.1	45.3	35.6	25.9	-	-
	67	70.3	5.0	66.0	56.7	47.3	37.6	28.0	-	63.8	5.7	63.0	54.1	45.2	35.4	25.5	-
	62	68.5	5.0	68.5	62.9	56.9	47.2	37.5	27.9	64.7	5.7	64.7	60.0	54.9	44.9	35.0	25.0
	57	58.2	5.0	58.2	58.2	58.2	56.8	47.1	37.5	59.8	5.7	59.8	59.8	59.8	54.4	44.4	34.3
2100	77	83.3	5.1	59.7	44.7	29.6	-	-	-	78.1	5.8	57.3	42.0	26.7	-	-	-
	72	78.3	5.1	63.0	51.7	40.4	29.2	-	-	72.6	5.8	60.2	49.0	37.8	26.6	-	-
	67	73.4	5.1	66.3	58.8	51.2	40.1	28.9	-	67.1	5.8	63.0	56.0	48.9	37.6	26.4	-
	62	68.7	5.1	68.7	67.0	62.0	51.0	39.9	28.9	64.8	5.8	64.8	63.9	60.0	48.7	37.4	26.0
	57	57.5	5.0	57.5	57.5	57.5	57.5	51.0	40.0	58.1	5.8	58.1	58.1	58.1	58.1	47.7	36.0
2400	77	82.8	5.1	71.2	51.2	31.1	-	-	-	75.8	5.8	67.5	47.5	27.4	-	-	-
	72	79.7	5.1	68.9	56.0	43.2	30.3	-	-	73.1	5.8	65.3	52.7	40.0	27.4	-	-
	67	76.5	5.1	66.6	60.9	55.2	42.5	29.9	-	70.3	5.8	63.1	57.8	52.6	39.9	27.2	-
	62	68.9	5.1	68.9	68.9	67.2	54.8	42.3	29.9	64.9	5.8	64.9	64.9	64.9	52.5	39.8	27.0
	57	56.9	5.1	56.9	56.9	56.9	56.9	54.8	42.6	56.5	5.8	56.5	56.5	56.5	56.5	51.0	37.6
2700	72	81.0	5.1	74.8	60.3	45.9	31.4	-	-	73.5	5.8	70.4	56.3	42.2	28.1	-	-
	67	79.6	5.1	66.8	63.0	59.1	45.0	30.8	-	73.6	5.8	63.1	59.7	56.3	42.2	28.1	-
	62	69.1	5.1	69.1	69.1	69.1	58.6	44.7	30.9	64.9	5.8	64.9	64.9	64.9	56.3	42.2	28.1
	57	56.3	5.1	56.3	56.3	56.3	56.3	56.3	45.2	54.8	5.8	54.8	54.8	54.8	54.8	54.3	39.3
3000	72	82.3	5.1	80.7	64.7	48.591	32.5	-	-	74.0	5.8	74.0	60.0	44.4	28.9	-	-
	67	82.8	5.1	67.1	65.1	63.1	47.4	31.8	-	76.9	5.8	63.1	61.6	60.0	44.5	28.9	-
	62	69.3	5.1	69.3	69.3	69.3	62.3	47.1	32.0	65.0	5.8	65.0	65.0	65.0	60.1	44.6	29.1
	57	55.7	5.1	55.7	55.7	55.7	55.7	55.7	47.8	53.2	5.8	53.2	53.2	53.2	53.2	53.2	41.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 40: ZYA7 (6.0 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
		115°F								125°F							
1500	77	81.1	6.4	37.2	30.5	23.8	-	-	-	79.5	7.1	37.5	29.9	22.3	-	-	-
	72	67.5	6.4	48.7	40.2	31.7	23.3	-	-	63.4	7.1	47.4	38.8	30.1	21.4	-	-
	67	53.9	6.4	53.9	49.9	39.7	31.0	22.4	-	47.3	7.1	47.3	47.3	37.9	29.0	20.0	-
	62	60.8	6.4	58.9	53.3	47.7	38.8	30.0	21.1	57.1	7.2	55.3	50.5	45.6	36.5	27.4	18.2
1800	77	77.0	6.4	46.1	34.9	23.7	-	-	-	73.5	7.1	45.1	33.3	21.5	-	-	-
	72	67.1	6.4	53.0	43.2	33.4	23.7	-	-	62.2	7.1	51.0	41.2	31.3	21.4	-	-
	67	57.3	6.4	57.3	51.6	43.1	33.1	23.1	-	50.9	7.1	50.9	49.0	41.1	30.9	20.7	-
	62	60.8	6.5	60.8	57.0	52.8	42.6	32.4	22.1	57.0	7.2	57.0	54.1	50.8	40.3	29.8	19.3
	57	61.5	6.5	61.5	61.5	61.5	52.1	41.6	31.2	63.1	7.2	57.7	57.7	57.7	49.7	38.9	28.0
2100	77	72.8	6.4	55.0	39.3	23.7	-	-	-	67.6	7.1	52.6	36.7	20.8	-	-	-
	72	66.8	6.4	57.4	46.3	35.2	24.0	-	-	61.0	7.1	54.6	43.5	32.5	21.5	-	-
	67	60.8	6.4	59.8	53.2	46.6	35.2	23.9	-	54.4	7.1	54.4	50.4	44.2	32.8	21.3	-
	62	60.8	6.5	60.8	60.8	58.0	46.4	34.8	23.1	56.9	7.2	56.9	56.9	56.0	44.1	32.2	20.3
	57	58.7	6.5	58.7	58.7	58.7	56.9	44.4	31.9	59.3	7.2	59.3	59.3	59.3	54.4	41.1	27.8
2400	77	68.7	6.5	63.8	43.8	23.7	-	-	-	61.7	7.1	60.1	40.1	20.0	-	-	-
	72	66.5	6.5	61.7	49.3	36.9	24.4	-	-	59.8	7.1	58.1	45.9	33.7	21.5	-	-
	67	64.2	6.5	59.6	54.8	50.0	37.3	24.6	-	58.0	7.1	56.1	51.8	47.4	34.7	22.0	-
	62	60.8	6.5	60.8	60.8	60.8	50.2	37.2	24.2	56.8	7.2	56.8	56.8	56.8	47.9	34.6	21.3
	57	56.0	6.5	56.0	56.0	56.0	56.0	47.2	32.7	55.6	7.2	55.6	55.6	55.6	55.6	43.4	27.7
2700	72	66.1	6.5	66.1	52.3	38.6	24.8	-	-	58.7	7.1	58.7	48.3	34.9	21.6	-	-
	67	67.6	6.5	59.4	56.4	53.5	39.4	25.3	-	61.6	7.1	55.7	53.2	50.6	36.6	22.6	-
	62	60.8	6.5	60.8	60.8	60.8	54.0	39.6	25.2	56.7	7.2	56.7	56.7	56.7	51.7	37.0	22.3
	57	53.3	6.5	53.3	53.3	53.3	53.3	50.0	33.4	51.8	7.2	51.8	51.8	51.8	51.8	45.7	27.5
3000	72	65.8	6.5	65.8	55.3	40.3	25.2	-	-	57.5	7.1	57.5	50.7	36.1	21.6	-	-
	67	71.0	6.5	59.2	58.0	56.9	41.5	26.1	-	65.2	7.2	55.2	54.5	53.8	38.5	23.2	-
	62	60.8	6.5	60.8	60.8	60.8	57.8	42.0	26.2	56.6	7.2	56.6	56.6	56.6	55.5	39.4	23.3
	57	50.6	6.5	50.6	50.6	50.6	50.6	50.6	34.2	48.0	7.2	48.0	48.0	48.0	48.0	48.0	27.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 41: ZY08 (7.5 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	117.2	4.7	61.5	50.6	39.6	—	—	—	111.2	5.4	56.7	47.1	37.4	—	—	—
	72	105.3	4.8	70.0	59.8	49.6	39.3	—	—	100.1	5.5	67.7	57.6	47.4	37.3	—	—
	67	93.5	4.8	78.5	69.0	59.5	48.3	39.2	—	88.9	5.5	78.6	68.1	57.5	46.8	37.1	—
	62	89.1	4.8	89.1	81.2	69.4	58.0	49.3	39.3	84.3	5.6	84.3	77.6	67.5	56.6	47.0	36.8
2250	77	119.1	4.7	67.6	53.9	40.2	—	—	—	112.4	5.4	64.2	51.1	38.1	—	—	—
	72	108.0	4.8	76.6	64.5	52.5	40.5	—	—	102.5	5.5	74.3	62.3	50.3	38.3	—	—
	67	96.8	4.8	85.5	75.1	64.8	51.8	40.6	—	92.5	5.5	84.5	73.5	62.5	49.9	38.3	—
	62	94.2	4.8	94.2	87.0	77.0	63.8	52.8	40.6	89.3	5.5	89.3	83.2	74.7	61.9	50.3	38.0
	57	91.5	4.8	91.5	91.5	89.3	77.1	64.9	52.7	86.0	5.6	86.0	86.0	86.0	74.6	62.3	49.9
2625	77	121.1	4.7	73.8	57.3	40.9	—	—	—	113.6	5.4	71.6	55.2	38.8	—	—	—
	72	110.6	4.8	83.1	69.3	55.4	41.6	—	—	104.8	5.5	81.0	67.1	53.1	39.2	—	—
	67	100.2	4.8	92.5	81.2	70.0	55.4	42.0	—	96.1	5.5	90.4	78.9	67.5	53.1	39.4	—
	62	99.2	4.8	99.2	92.8	84.6	69.6	56.2	42.0	94.2	5.5	94.2	88.8	81.8	67.3	53.5	39.3
	57	98.3	4.8	98.3	98.3	97.2	84.8	70.4	56.0	92.3	5.5	92.3	92.3	92.3	81.9	67.6	53.3
3000	77	123.1	4.8	79.9	60.7	41.5	—	—	—	114.7	5.4	79.0	59.3	39.5	—	—	—
	72	113.3	4.8	89.7	74.0	58.4	42.8	—	—	107.2	5.5	87.7	71.8	56.0	40.2	—	—
	67	103.5	4.8	99.4	87.4	75.3	58.9	43.4	—	99.7	5.5	96.3	84.4	72.5	56.3	40.5	—
	62	104.3	4.8	104.3	98.6	92.2	75.4	59.7	43.4	99.1	5.5	99.1	94.4	89.0	72.6	56.7	40.6
	57	105.0	4.8	105.0	105.0	105.0	92.5	75.9	59.3	98.6	5.5	98.6	98.6	98.6	89.2	72.9	56.6
3375	72	116.0	4.8	96.2	78.8	61.3	43.9	—	—	109.6	5.4	94.3	76.6	58.8	41.1	—	—
	67	106.9	4.8	106.4	93.5	80.6	62.5	44.8	—	103.3	5.5	102.2	89.8	77.5	59.5	41.7	—
	62	109.4	4.8	108.6	104.4	99.8	81.2	63.1	44.7	104.1	5.5	103.7	100.0	96.1	77.9	60.0	41.9
	57	111.8	4.8	108.8	108.8	108.8	100.2	81.4	62.6	104.8	5.5	104.1	104.1	104.1	96.5	78.2	60.0
3750	72	118.7	4.8	102.8	83.5	64.3	45.0	—	—	112.0	5.4	101.0	81.3	61.7	42.1	—	—
	67	110.3	4.8	110.3	99.6	85.8	66.0	46.2	—	106.9	5.5	106.9	95.3	82.5	62.6	42.8	—
	62	114.4	4.8	112.9	110.2	107.4	87.0	66.6	46.1	109.0	5.4	107.9	105.6	103.3	83.2	63.2	43.1
	57	118.6	4.7	112.5	112.5	112.5	108.0	86.9	65.9	111.1	5.4	107.6	107.6	107.6	103.8	83.6	63.3
		95°F								105°F							
1875	77	105.3	6.1	51.9	43.6	35.2	—	—	—	97.1	7.2	51.4	42.5	33.7	—	—	—
	72	94.8	6.2	65.3	55.3	45.3	35.3	—	—	88.2	7.1	63.4	53.2	43.0	32.8	—	—
	67	84.4	6.2	78.7	67.1	55.5	45.2	35.0	—	79.3	7.1	75.5	63.9	52.4	42.2	32.1	—
	62	79.6	6.3	79.6	74.1	65.6	55.2	44.7	34.3	75.9	7.2	75.9	69.9	61.7	51.6	41.5	31.4
2250	77	105.6	6.1	60.7	48.3	36.0	—	—	—	97.6	7.2	59.5	46.6	33.7	—	—	—
	72	96.9	6.1	72.1	60.1	48.1	36.1	—	—	90.3	7.1	69.6	57.5	45.4	33.3	—	—
	67	88.2	6.2	83.5	71.9	60.2	48.1	35.9	—	83.0	7.1	79.7	68.4	57.2	45.0	32.9	—
	62	84.4	6.2	84.4	79.5	72.3	60.0	47.7	35.4	80.2	7.1	80.2	75.4	68.9	56.7	44.5	32.4
	57	80.5	6.3	80.5	80.5	80.5	72.0	59.6	47.2	77.5	7.2	77.5	77.5	77.5	68.4	56.2	44.0
2625	77	106.0	6.1	69.4	53.1	36.7	—	—	—	98.2	7.1	67.6	50.7	33.7	—	—	—
	72	99.0	6.1	78.9	64.9	50.8	36.8	—	—	92.4	7.1	75.8	61.8	47.8	33.9	—	—
	67	92.0	6.2	88.4	76.6	64.9	50.9	36.8	—	86.6	7.1	83.9	72.9	61.9	47.8	33.7	—
	62	89.2	6.2	89.2	84.8	79.0	64.9	50.8	36.6	84.6	7.1	84.6	80.8	76.1	61.8	47.6	33.4
	57	86.3	6.2	86.3	86.3	86.3	78.9	64.8	50.6	82.5	7.1	82.5	82.5	82.5	75.8	61.4	47.1
3000	77	106.4	6.1	78.2	57.8	37.5	—	—	—	98.7	7.1	75.7	54.7	33.7	—	—	—
	72	101.1	6.1	85.7	69.6	53.6	37.6	—	—	94.5	7.1	82.0	66.1	50.2	34.4	—	—
	67	95.9	6.1	93.2	81.4	69.7	53.7	37.7	—	90.3	7.1	88.2	77.5	66.7	50.7	34.6	—
	62	94.0	6.2	94.0	90.2	85.7	69.8	53.8	37.8	89.0	7.1	89.0	86.2	83.2	66.9	50.6	34.3
	57	92.1	6.2	92.1	92.1	92.1	85.9	69.9	54.0	87.6	7.1	87.6	87.6	87.6	83.2	66.7	50.2
3375	72	103.2	6.1	92.5	74.4	56.4	38.3	—	—	96.6	7.1	88.1	70.4	52.6	34.9	—	—
	67	99.7	6.1	98.0	86.2	74.4	56.5	38.5	—	94.0	7.1	92.4	82.0	71.5	53.5	35.4	—
	62	98.8	6.1	98.7	95.6	92.4	74.6	56.8	39.0	93.3	7.1	92.9	91.7	90.4	72.1	53.7	35.3
	57	97.9	6.2	97.9	97.9	97.9	92.8	75.1	57.4	92.7	7.1	92.7	92.7	92.7	90.6	72.0	53.3
3750	72	105.3	6.1	99.2	79.2	59.1	39.1	—	—	98.7	7.1	94.3	74.7	55.0	35.4	—	—
	67	103.6	6.1	102.8	91.0	79.1	59.3	39.4	—	97.6	7.1	96.7	86.5	76.3	56.3	36.2	—
	62	103.6	6.1	102.8	100.9	99.1	79.5	59.8	40.2	97.7	7.1	96.6	96.6	96.6	77.2	56.7	36.3
	57	103.7	6.1	102.7	102.7	102.7	99.7	80.2	60.8	97.7	7.1	96.6	96.6	96.6	96.6	77.2	56.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 42: ZY08 (7.5 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
		115°F								125°F							
1875	77	88.9	8.3	50.8	41.5	32.3	—	—	—	80.7	9.3	50.2	40.5	30.8	—	—	—
	72	81.6	8.1	61.5	51.1	40.7	30.4	—	—	74.9	9.1	59.6	49.0	38.5	27.9	—	—
	67	74.3	8.0	72.2	60.7	49.3	39.2	29.1	—	69.2	8.9	68.9	57.5	46.1	36.2	26.2	—
	62	72.2	8.0	72.2	65.8	57.8	48.0	38.3	28.5	68.5	8.9	68.5	61.6	53.8	44.4	35.0	25.6
2250	77	89.6	8.2	58.3	44.9	31.5	—	—	—	81.6	9.3	57.1	43.2	29.2	—	—	—
	72	83.7	8.1	67.1	54.9	42.8	30.6	—	—	77.0	9.1	64.6	52.4	40.1	27.9	—	—
	67	77.7	8.0	75.9	65.0	54.1	42.0	29.9	—	72.5	8.9	72.0	61.5	51.1	39.0	26.9	—
	62	76.1	8.0	76.1	71.3	65.4	53.4	41.3	29.3	72.0	8.9	72.0	67.2	62.0	50.1	38.1	26.2
	57	74.4	8.1	74.4	74.4	74.4	64.8	52.8	40.8	71.4	9.0	71.4	71.4	71.4	61.1	49.4	37.6
2625	77	90.3	8.2	65.8	48.3	30.7	—	—	—	82.5	9.2	64.0	45.8	27.7	—	—	—
	72	85.8	8.1	72.7	58.7	44.8	30.9	—	—	79.2	9.1	69.6	55.7	41.8	27.9	—	—
	67	81.2	8.0	79.5	69.2	59.0	44.8	30.7	—	75.8	8.9	75.1	65.5	56.0	41.8	27.7	—
	62	80.0	8.0	80.0	76.8	73.1	58.8	44.4	30.1	75.4	8.9	75.4	72.7	70.1	55.7	41.2	26.8
	57	78.8	8.1	78.8	78.8	78.8	72.7	58.1	43.6	75.0	9.0	75.0	75.0	75.0	69.5	54.8	40.1
3000	77	91.0	8.1	73.3	51.6	29.9	—	—	—	83.4	9.2	70.9	48.5	26.1	—	—	—
	72	87.9	8.1	78.3	62.6	46.9	31.2	—	—	81.3	9.1	74.5	59.0	43.5	28.0	—	—
	67	84.7	8.0	83.2	73.5	63.8	47.6	31.5	—	79.2	8.9	78.2	69.5	60.9	44.6	28.4	—
	62	83.9	8.0	83.8	82.3	80.8	64.1	47.5	30.9	78.9	9.0	78.3	78.3	78.3	61.3	44.3	27.4
	57	83.1	8.0	83.1	83.1	83.1	80.6	63.5	46.4	78.6	9.0	78.5	78.5	78.5	78.0	60.3	42.6
3375	72	90.0	8.1	83.8	66.4	48.9	31.4	—	—	83.4	9.0	79.5	62.4	45.2	28.0	—	—
	67	88.2	8.0	86.8	77.7	68.7	50.5	32.3	—	82.5	9.0	81.3	73.5	65.8	47.5	29.1	—
	62	87.8	8.0	87.1	87.1	87.1	69.5	50.6	31.6	82.4	9.0	81.3	81.3	81.3	66.9	47.4	28.0
	57	87.5	8.0	87.4	87.4	87.4	87.4	68.9	49.2	82.3	9.0	81.4	81.4	81.4	81.4	65.8	45.1
3750	72	92.1	8.1	89.4	70.2	50.9	31.7	—	—	85.5	9.0	84.5	65.7	46.9	28.0	—	—
	67	91.7	8.0	90.5	82.0	73.5	53.3	33.1	—	85.8	9.0	84.3	77.5	70.7	50.3	29.9	—
	62	91.8	8.0	90.5	90.5	90.5	74.9	53.6	32.4	85.8	9.0	84.3	84.3	84.3	72.6	50.5	28.5
	57	91.8	8.0	90.4	90.4	90.4	90.4	74.2	52.0	85.9	9.0	84.3	84.3	84.3	84.3	71.2	47.6

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 43: ZY09 (8.5 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	77	129.6	5.9	67.0	57.1	47.1	-	-	-	123.8	6.5	64.6	54.4	44.2	-	-	-
	72	121.7	5.8	83.1	71.2	59.2	47.2	-	-	116.0	6.5	80.7	68.5	56.3	44.1	-	-
	67	113.7	5.8	99.3	85.3	71.2	58.7	46.8	-	108.2	6.5	96.7	82.6	68.4	56.0	43.9	-
	62	112.3	5.7	107.4	95.3	83.3	67.6	58.5	46.0	106.3	6.5	102.3	91.4	80.6	66.6	55.9	43.6
2550	77	132.2	5.9	75.2	60.8	46.4	-	-	-	125.7	6.6	73.3	58.6	43.9	-	-	-
	72	124.6	5.9	90.1	75.9	61.6	47.3	-	-	118.6	6.5	87.7	73.3	58.9	44.6	-	-
	67	117.1	5.8	105.1	90.9	76.8	61.9	47.6	-	111.5	6.5	102.0	88.0	74.0	59.3	44.8	-
	62	115.5	5.8	111.5	101.8	92.1	74.4	62.1	47.1	109.8	6.5	106.5	97.8	89.1	72.9	59.4	44.5
	57	113.9	5.7	113.9	110.6	107.3	91.9	76.5	61.2	108.0	6.4	108.0	106.1	104.2	89.0	73.9	58.8
2975	77	134.7	6.0	83.4	64.5	45.6	-	-	-	127.6	6.6	82.0	62.8	43.6	-	-	-
	72	127.6	5.9	97.1	80.6	64.0	47.5	-	-	121.3	6.6	94.6	78.1	61.6	45.1	-	-
	67	120.5	5.8	110.8	96.6	82.4	65.2	48.3	-	114.9	6.5	107.2	93.4	79.6	62.5	45.7	-
	62	118.7	5.8	115.7	108.3	100.8	81.3	65.7	48.1	113.2	6.5	110.6	104.1	97.6	79.2	62.8	45.3
	57	117.5	5.8	117.5	115.8	114.2	101.1	83.0	64.9	111.8	6.5	111.8	111.8	111.8	97.7	79.9	62.0
3400	77	137.3	6.0	91.5	68.2	44.8	-	-	-	129.5	6.6	90.7	67.0	43.3	-	-	-
	72	130.6	5.9	104.1	85.2	66.4	47.6	-	-	123.9	6.6	101.6	82.9	64.2	45.6	-	-
	67	123.9	5.8	116.6	102.3	88.0	68.4	49.0	-	118.3	6.6	112.4	98.8	85.2	65.8	46.5	-
	62	121.9	5.8	119.9	114.7	109.6	88.1	69.3	49.1	116.7	6.5	114.8	110.4	106.1	85.5	66.2	46.2
	57	121.1	5.8	121.1	121.1	121.1	110.3	89.5	68.7	115.7	6.5	115.6	115.6	115.6	106.4	85.8	65.2
3825	72	133.6	6.0	111.0	89.9	68.8	47.7	-	-	126.5	6.6	108.5	87.7	66.9	46.1	-	-
	67	127.3	5.9	122.4	108.0	93.6	71.6	49.7	-	121.6	6.6	117.6	104.2	90.7	69.0	47.4	-
	62	125.1	5.9	124.1	121.2	118.3	94.9	72.8	50.1	120.1	6.6	118.9	116.8	114.6	91.7	69.6	47.1
	57	124.6	5.9	124.6	124.6	124.6	119.5	96.0	72.4	119.5	6.5	119.5	119.5	119.5	115.1	91.7	68.4
4250	72	136.6	6.0	118.0	94.6	71.2	47.8	-	-	129.2	6.6	115.5	92.5	69.5	46.5	-	-
	67	130.7	5.9	128.2	113.6	99.1	74.8	50.4	-	125.0	6.6	122.8	109.6	96.3	72.3	48.3	-
	62	128.2	5.9	128.2	127.6	127.0	101.7	76.4	51.1	123.5	6.6	123.1	123.1	123.1	98.0	73.0	47.9
	57	128.2	5.9	128.2	128.2	128.2	128.2	102.4	76.2	123.3	6.6	123.3	123.3	123.3	123.3	97.7	71.6
		95°F								105°F							
2125	77	118.0	7.2	62.3	51.7	41.2	-	-	-	110.3	8.4	62.5	50.8	39.2	-	-	-
	72	110.3	7.2	78.2	65.8	53.4	41.0	-	-	103.8	8.4	76.1	63.6	51.0	38.4	-	-
	67	102.6	7.3	94.2	79.9	65.6	53.3	41.0	-	97.2	8.4	89.8	76.3	62.8	50.4	38.0	-
	62	100.4	7.2	97.3	87.6	77.9	65.7	53.4	41.2	94.8	8.3	91.9	83.2	74.6	62.4	50.3	38.1
2550	77	119.2	7.2	71.5	56.4	41.4	-	-	-	111.4	8.4	70.7	54.7	38.6	-	-	-
	72	112.6	7.2	85.2	70.7	56.3	41.8	-	-	105.7	8.4	82.3	67.8	53.4	38.9	-	-
	67	106.0	7.3	98.9	85.0	71.2	56.6	42.0	-	100.1	8.4	93.9	81.0	68.1	53.5	38.9	-
	62	104.1	7.2	101.4	93.8	86.1	71.4	56.7	41.9	98.1	8.3	95.7	89.3	82.9	68.1	53.4	38.6
	57	102.2	7.2	102.0	101.5	101.0	86.2	71.3	56.4	96.1	8.3	96.1	96.1	96.1	82.7	67.8	53.0
2975	77	120.5	7.2	80.7	61.1	41.6	-	-	-	112.5	8.4	78.9	58.5	38.1	-	-	-
	72	114.9	7.3	92.1	75.6	59.2	42.7	-	-	107.7	8.4	88.5	72.1	55.8	39.5	-	-
	67	109.3	7.3	103.5	90.2	76.8	59.9	43.0	-	102.9	8.4	98.0	85.7	73.5	56.7	39.8	-
	62	107.8	7.2	105.5	99.9	94.4	77.1	59.9	42.6	101.4	8.3	99.4	95.3	91.2	73.8	56.5	39.2
	57	106.2	7.2	106.1	106.1	106.1	94.3	76.7	59.1	99.8	8.3	99.8	99.8	99.8	91.0	73.2	55.4
3400	77	121.8	7.3	89.9	65.8	41.8	-	-	-	113.6	8.4	87.2	62.4	37.6	-	-	-
	72	117.2	7.3	99.1	80.6	62.1	43.5	-	-	109.7	8.4	94.6	76.4	58.2	40.0	-	-
	67	112.6	7.3	108.2	95.3	82.3	63.2	44.1	-	105.8	8.4	102.1	90.5	78.8	59.8	40.7	-
	62	111.4	7.2	109.7	106.1	102.6	82.8	63.1	43.3	104.6	8.4	103.1	101.3	99.5	79.6	59.7	39.7
	57	110.3	7.2	110.2	110.2	110.2	102.5	82.1	61.7	103.5	8.3	103.5	103.5	103.5	99.3	78.6	57.8
3825	72	119.5	7.3	106.0	85.5	64.9	44.4	-	-	111.6	8.4	100.8	80.7	60.6	40.6	-	-
	67	116.0	7.3	112.9	100.4	87.9	66.5	45.1	-	108.6	8.4	106.2	95.2	84.2	62.9	41.6	-
	62	115.1	7.3	113.8	112.3	110.8	88.6	66.3	44.0	107.9	8.4	106.8	106.8	106.8	85.3	62.8	40.3
	57	114.3	7.2	114.3	114.3	114.3	110.7	87.5	64.4	107.2	8.3	107.2	107.2	107.2	107.2	83.9	60.2
4250	72	121.8	7.3	112.9	90.4	67.8	45.3	-	-	113.6	8.4	107.0	85.0	63.1	41.1	-	-
	67	119.3	7.3	117.5	105.5	93.5	69.8	46.1	-	111.5	8.4	110.3	99.9	89.6	66.1	42.6	-
	62	118.8	7.3	117.9	117.9	117.9	94.3	69.5	44.7	111.2	8.4	110.6	110.6	110.6	91.0	65.9	40.8
	57	118.4	7.2	118.4	118.4	118.4	118.4	92.9	67.0	110.8	8.3	110.8	110.8	110.8	110.8	89.3	62.6

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 44: ZY09 (8.5 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2125	77	102.7	9.5	62.7	49.9	37.1	-	-	-	95.1	10.7	62.9	49.0	35.1	-	-	-
	72	97.3	9.5	74.1	61.3	48.5	35.7	-	-	90.7	10.6	72.0	59.0	46.1	33.1	-	-
	67	91.8	9.5	85.4	72.7	59.9	47.5	35.0	-	86.4	10.6	81.0	69.0	57.0	44.5	32.0	-
	62	89.3	9.4	86.6	78.9	71.3	59.2	47.1	35.0	83.7	10.6	81.3	74.6	67.9	55.9	43.9	31.9
2550	77	103.6	9.5	69.9	52.9	35.9	-	-	-	95.8	10.7	69.1	51.2	33.2	-	-	-
	72	98.9	9.5	79.4	65.0	50.5	36.0	-	-	92.0	10.6	76.6	62.1	47.6	33.1	-	-
	67	94.1	9.5	89.0	77.0	65.0	50.4	35.8	-	88.2	10.6	84.0	73.0	62.0	47.3	32.7	-
	62	92.1	9.4	89.9	84.8	79.6	64.9	50.1	35.4	86.2	10.6	84.2	80.3	76.4	61.6	46.9	32.1
	57	90.1	9.4	90.1	90.1	90.1	79.3	64.4	49.5	84.1	10.5	84.1	84.1	84.1	75.9	61.0	46.1
2975	77	104.5	9.5	77.2	55.9	34.7	-	-	-	96.5	10.6	75.4	53.3	31.2	-	-	-
	72	100.5	9.5	84.8	68.6	52.4	36.2	-	-	93.3	10.6	81.2	65.1	49.1	33.0	-	-
	67	96.5	9.5	92.5	81.3	70.2	53.4	36.6	-	90.1	10.6	87.0	76.9	66.9	50.2	33.4	-
	62	95.0	9.5	93.2	90.6	88.0	70.6	53.2	35.8	88.6	10.6	87.1	85.9	84.8	67.3	49.8	32.3
	57	93.4	9.4	93.4	93.4	93.4	87.7	69.7	51.7	87.0	10.5	87.0	87.0	87.0	84.4	66.2	48.0
3400	77	105.4	9.5	84.4	58.9	33.4	-	-	-	97.1	10.6	81.7	55.5	29.3	-	-	-
	72	102.1	9.5	90.2	72.3	54.4	36.5	-	-	94.6	10.6	85.8	68.2	50.6	33.0	-	-
	67	98.9	9.5	96.0	85.7	75.4	56.4	37.4	-	92.0	10.6	89.9	80.9	71.9	53.0	34.1	-
	62	97.8	9.5	96.5	96.4	96.3	76.3	56.2	36.2	91.0	10.6	90.0	90.0	90.0	73.0	52.8	32.6
	57	96.7	9.4	96.7	96.7	96.7	96.2	75.0	53.9	89.9	10.5	89.9	89.9	89.9	89.9	71.5	50.0
3825	72	103.8	9.5	95.6	76.0	56.4	36.8	-	-	95.9	10.6	90.4	71.2	52.1	32.9	-	-
	67	101.3	9.5	99.5	90.0	80.5	59.4	38.2	-	93.9	10.6	92.9	84.8	76.8	55.8	34.8	-
	62	100.6	9.5	99.9	99.9	99.9	82.0	59.3	36.6	93.4	10.6	92.9	92.9	92.9	78.7	55.7	32.8
	57	100.0	9.4	100.0	100.0	100.0	100.0	80.3	56.1	92.9	10.5	92.9	92.9	92.9	92.9	76.7	51.9
4250	72	105.4	9.5	101.0	79.7	58.3	37.0	-	-	97.2	10.6	95.0	74.3	53.6	32.9	-	-
	67	103.6	9.5	103.0	94.4	85.7	62.3	39.0	-	95.8	10.6	95.8	88.8	81.8	58.6	35.4	-
	62	103.5	9.5	103.2	103.2	103.2	87.7	62.3	36.9	95.8	10.6	95.8	95.8	95.8	84.4	58.7	33.0
	57	103.3	9.4	103.3	103.3	103.3	103.3	85.6	58.2	95.8	10.5	95.8	95.8	95.8	95.8	82.0	53.8

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 45: ZY12 (10 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	77	154.5	6.7	76.5	65.2	53.9	—	—	—	146.7	7.6	73.6	61.6	49.6	—	—	—
	72	140.5	6.6	93.7	80.2	66.6	53.1	—	—	133.6	7.5	90.5	76.8	63.1	49.4	—	—
	67	126.4	6.5	110.9	95.1	79.4	66.3	53.0	—	120.6	7.5	107.4	92.0	76.6	63.0	49.2	—
	62	118.5	6.5	118.5	105.3	92.1	76.5	66.4	53.6	115.0	7.4	114.1	102.1	90.1	75.0	62.8	49.1
3000	77	157.6	6.7	87.0	70.8	54.6	—	—	—	148.4	7.6	83.9	67.0	50.0	—	—	—
	72	144.7	6.6	102.7	86.6	70.4	54.3	—	—	136.9	7.5	99.1	82.9	66.6	50.3	—	—
	67	131.7	6.5	118.4	102.3	86.3	70.4	54.4	—	125.4	7.5	114.4	98.8	83.2	66.9	50.4	—
	62	125.2	6.5	118.5	113.3	102.1	84.1	70.7	55.0	120.9	7.5	116.0	109.7	99.8	82.2	66.8	50.4
	57	118.7	6.4	118.7	118.7	117.9	102.4	86.9	71.5	116.4	7.4	116.4	116.4	116.3	99.8	83.2	66.6
3500	77	159.2	6.7	97.5	76.5	55.4	—	—	—	150.2	7.6	94.2	72.3	50.4	—	—	—
	72	148.9	6.6	111.7	93.0	74.3	55.5	—	—	140.2	7.5	107.8	88.9	70.1	51.2	—	—
	67	137.0	6.5	125.9	109.5	93.1	74.5	55.8	—	130.2	7.5	121.4	105.6	89.8	70.7	51.6	—
	62	131.8	6.5	126.2	121.3	112.0	91.8	74.9	56.3	126.8	7.5	123.0	117.3	109.5	89.3	70.9	51.6
	57	126.7	6.5	126.7	126.7	126.3	112.4	94.0	75.5	123.3	7.4	123.3	123.3	123.3	109.6	90.2	70.7
4000	77	160.8	6.7	108.0	82.1	56.1	—	—	—	151.9	7.6	104.5	77.7	50.8	—	—	—
	72	153.1	6.6	120.8	99.4	78.1	56.7	—	—	143.5	7.5	116.4	95.0	73.6	52.1	—	—
	67	142.4	6.6	133.5	116.8	100.0	78.7	57.2	—	135.1	7.5	128.4	112.4	96.4	74.6	52.8	—
	62	138.5	6.5	134.0	129.3	122.0	99.5	79.1	57.7	132.6	7.5	130.0	124.9	119.1	96.5	75.0	52.9
	57	134.6	6.5	134.6	134.6	134.6	122.5	101.0	79.6	130.2	7.5	130.2	130.2	130.2	119.5	97.1	74.7
4500	72	161.6	6.6	129.8	105.8	81.9	57.9	—	—	152.1	7.6	125.1	101.1	77.0	53.0	—	—
	67	147.7	6.6	141.0	124.0	106.9	82.8	58.7	—	139.9	7.5	135.3	119.1	102.9	78.5	54.0	—
	62	145.1	6.6	142.1	137.3	132.0	107.1	83.4	59.1	138.5	7.5	136.2	132.5	128.8	103.7	79.0	54.1
	57	142.6	6.5	142.4	142.4	142.4	132.5	108.1	83.6	137.1	7.5	136.4	136.4	136.4	129.4	104.1	78.7
5000	72	163.9	6.6	138.8	112.2	85.7	59.1	—	—	152.5	7.6	133.7	107.1	80.5	53.9	—	—
	67	153.0	6.6	148.5	131.2	113.8	86.9	60.1	—	144.7	7.5	142.3	125.9	109.5	82.4	55.2	—
	62	151.8	6.6	148.8	145.3	141.9	114.8	87.6	60.4	144.4	7.5	142.6	140.1	138.5	110.8	83.1	55.4
	57	150.6	6.5	149.0	149.0	149.0	142.6	115.1	87.6	144.0	7.5	143.0	143.0	143.0	139.3	111.0	82.8
		95°F								105°F							
2500	77	138.8	8.4	70.6	58.0	45.4	—	—	—	127.5	9.9	68.6	55.8	43.1	—	—	—
	72	126.8	8.4	87.3	73.4	59.6	45.8	—	—	117.2	9.8	84.2	70.4	56.5	42.6	—	—
	67	114.7	8.4	104.0	88.9	73.8	59.7	45.5	—	107.0	9.8	99.9	84.9	69.9	55.9	41.9	—
	62	111.5	8.4	109.7	98.9	88.0	73.6	59.1	44.6	105.5	9.7	103.3	93.3	83.3	69.2	55.0	40.9
3000	77	139.2	8.5	80.7	63.1	45.4	—	—	—	128.3	9.9	78.2	60.3	42.3	—	—	—
	72	129.1	8.5	95.6	79.2	62.8	46.4	—	—	119.6	9.8	91.7	75.5	59.2	42.9	—	—
	67	119.1	8.4	110.4	95.2	80.1	63.3	46.5	—	110.9	9.8	105.3	90.7	76.1	59.4	42.8	—
	62	116.6	8.4	113.8	106.1	97.5	80.2	63.0	45.7	109.6	9.7	107.9	100.4	92.9	75.9	58.9	41.9
	57	114.0	8.4	114.0	114.0	114.0	97.1	79.5	61.8	108.2	9.7	108.2	108.2	108.2	92.4	75.0	57.6
3500	77	139.5	8.5	90.9	68.2	45.4	—	—	—	129.1	9.9	87.9	64.7	41.5	—	—	—
	72	131.5	8.5	103.8	84.9	65.9	46.9	—	—	122.0	9.8	99.3	80.6	61.9	43.2	—	—
	67	123.4	8.5	116.8	101.6	86.4	66.9	47.4	—	114.9	9.8	110.6	96.4	82.2	62.9	43.6	—
	62	121.7	8.4	119.7	113.3	106.9	86.9	66.9	46.9	113.7	9.8	112.4	107.5	102.6	82.7	62.7	42.8
	57	119.9	8.4	119.9	119.9	119.9	106.8	86.3	65.8	112.5	9.7	112.5	112.5	112.5	102.4	81.8	61.2
4000	77	139.9	8.5	101.0	73.2	45.5	—	—	—	129.9	9.9	97.6	69.1	40.7	—	—	—
	72	133.8	8.5	112.1	90.6	69.1	47.5	—	—	124.4	9.8	106.8	85.7	64.6	43.5	—	—
	67	127.8	8.5	123.2	108.0	92.7	70.5	48.4	—	118.9	9.8	116.0	102.2	88.4	66.4	44.5	—
	62	126.7	8.4	124.7	120.5	116.3	93.5	70.8	48.1	117.8	9.8	116.6	114.6	112.3	89.4	66.6	43.7
	57	125.7	8.4	125.7	125.7	125.7	116.6	93.2	69.8	116.7	9.7	116.7	116.7	116.7	112.4	88.6	64.9
4500	72	140.4	8.5	120.4	96.3	72.2	48.1	—	—	130.2	9.8	114.3	90.8	67.3	43.8	—	—
	67	132.1	8.5	129.6	114.3	99.0	74.2	49.4	—	122.9	9.8	120.5	108.0	94.6	70.0	45.3	—
	62	131.8	8.5	129.7	127.7	125.7	100.2	74.7	49.2	121.9	9.8	120.7	120.7	120.7	96.2	70.4	44.6
	57	131.5	8.4	129.8	129.8	129.8	126.3	100.1	73.9	120.9	9.7	120.9	120.9	120.9	120.9	95.4	68.5
5000	72	141.2	8.5	128.7	102.0	75.4	48.7	—	—	130.6	9.8	121.8	95.9	70.0	44.1	—	—
	67	137.4	8.5	134.5	120.7	105.2	77.8	50.3	—	126.8	9.8	124.6	113.7	100.8	73.5	46.2	—
	62	136.9	8.5	134.7	134.7	134.7	106.9	78.6	50.4	126.0	9.8	125.0	125.0	125.0	102.9	74.2	45.5
	57	136.5	8.4	136.2	136.2	136.2	136.0	106.9	77.9	125.1	9.7	125.1	125.1	125.1	125.1	102.3	72.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 46: ZY12 (10 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2500	77	116.2	11.4	66.6	53.7	40.8	—	—	—	104.9	12.8	64.5	51.5	38.5	—	—	—
	72	107.7	11.2	81.2	67.3	53.4	39.5	—	—	102.1	12.6	78.2	64.2	50.3	36.3	—	—
	67	99.2	11.1	95.9	80.9	65.9	52.1	38.3	—	93.5	12.5	91.0	76.9	62.0	48.3	34.7	—
	62	99.5	11.1	97.0	87.7	78.5	64.8	51.0	37.3	91.4	12.4	91.2	82.2	73.7	60.4	47.0	33.7
3000	77	117.5	11.3	75.7	57.5	39.2	—	—	—	106.6	12.8	73.2	54.7	36.1	—	—	—
	72	110.1	11.2	87.9	71.8	55.6	39.4	—	—	101.6	12.6	84.1	68.1	52.0	36.0	—	—
	67	102.8	11.1	100.1	86.1	72.0	55.5	39.0	—	96.6	12.5	94.3	81.5	68.0	51.6	35.3	—
	62	102.6	11.1	101.0	94.7	88.4	71.6	54.8	38.0	95.6	12.4	95.0	89.0	83.9	67.3	50.7	34.1
	57	102.4	11.0	101.9	101.9	101.9	87.7	70.5	53.4	95.4	12.4	95.3	95.3	95.3	82.9	66.1	49.2
3500	77	118.7	11.3	84.9	61.2	37.6	—	—	—	108.3	12.7	81.9	57.8	33.7	—	—	—
	72	112.6	11.2	94.7	76.2	57.8	39.4	—	—	104.2	12.6	90.1	71.9	53.8	35.7	—	—
	67	106.4	11.1	104.4	91.3	78.1	58.9	39.8	—	100.1	12.5	97.7	86.1	73.9	55.0	36.0	—
	62	105.7	11.1	104.9	101.7	98.4	78.4	58.5	38.6	99.5	12.4	98.2	95.9	94.1	74.2	54.4	34.5
	57	105.0	11.0	105.0	105.0	105.0	98.0	77.3	56.7	99.0	12.4	99.0	99.0	99.0	93.5	72.8	52.1
4000	77	120.0	11.3	94.1	65.0	36.0	—	—	—	110.1	12.6	90.6	60.9	31.2	—	—	—
	72	115.0	11.2	101.4	80.7	60.1	39.4	—	—	105.6	12.6	96.0	75.8	55.6	35.4	—	—
	67	110.0	11.1	107.5	96.4	84.2	62.4	40.5	—	101.1	12.5	99.2	90.7	79.9	58.3	36.6	—
	62	108.8	11.1	107.8	107.8	107.8	85.3	62.3	39.3	99.9	12.4	99.3	99.3	99.3	81.2	58.1	34.9
	57	108.3	11.0	108.3	108.3	108.3	108.2	84.1	59.9	99.4	12.3	99.4	99.4	99.4	99.4	79.5	54.9
4500	72	120.5	11.2	108.1	85.2	62.3	39.4	—	—	110.5	12.5	100.9	79.6	57.3	35.0	—	—
	67	114.5	11.1	112.1	101.6	90.3	65.8	41.3	—	104.3	12.5	101.0	95.3	85.9	61.6	37.2	—
	62	113.2	11.1	112.3	112.3	112.3	92.1	66.1	40.0	102.0	12.4	101.0	101.0	101.0	88.1	61.7	35.3
	57	112.5	11.0	112.5	112.5	112.5	112.5	90.8	63.2	101.2	12.3	101.2	101.2	101.2	101.2	86.2	57.8
5000	72	121.1	11.2	113.5	89.7	64.5	39.4	—	—	112.2	12.5	103.1	83.5	59.1	34.7	—	—
	67	117.2	11.2	114.0	106.8	96.3	69.2	42.0	—	108.6	12.5	103.3	99.8	91.9	64.9	37.9	—
	62	115.1	11.1	114.1	114.1	114.1	99.0	69.8	40.6	106.4	12.4	103.4	103.4	103.4	95.0	65.4	35.8
	57	114.2	11.0	114.2	114.2	114.2	114.2	97.6	66.4	103.5	12.3	103.5	103.5	103.5	103.5	92.9	60.7

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

ZL04 to 06 cooling capacities

Table 47: ZL04 (3.0 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
				Sensible capacity (MBh)								Sensible capacity (MBh)					
CFM	WB (°F)	Total capacity [1] (MBh)	Total input [2] (kW)	Return dry bulb (°F)						Total capacity[1] (MBh)	Total input[2] (kW)	Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
750	77	47.2	2	20.4	17.2	13.9	—	—	—	44.6	2.3	19.4	16.1	12.9	—	—	—
	72	42.9	1.9	25.3	22	18.7	15.5	—	—	40.6	2.2	24.2	20.9	17.7	14.5	—	—
	67	38.5	1.9	30.1	26.8	23.6	20.3	17.1	—	36.5	2.2	29	25.7	22.5	19.3	16	—
	62	35	1.9	35	32.7	28	24.8	21.5	18.3	33.3	2.2	33.3	32.1	27.2	23.9	20.7	17.5
900	77	48.9	2	22.9	19.1	15.3	—	—	—	46	2.3	21.7	17.9	14.1	—	—	—
	72	44.4	1.9	28.2	24.4	20.6	16.7	—	—	41.8	2.2	27	23.2	19.4	15.6	—	—
	67	39.9	1.9	33.5	29.7	25.8	22	18.2	—	37.7	2.2	32.2	28.4	24.6	20.8	17.1	—
	62	36.3	1.9	36.3	34.7	30.8	26.9	23.1	19.3	34.3	2.2	34.3	33.5	29.7	26	22.2	18.4
	57	33.1	1.9	33.1	33.1	30.1	26.3	22.5	18.7	32.7	2.2	32.7	32.7	29.5	25.8	22	18.2
1050	77	50.6	2	25.4	21	16.6	—	—	—	47.4	2.3	24	19.7	15.4	—	—	—
	72	45.9	2	31.2	26.8	22.4	18	—	—	43.1	2.2	29.7	25.4	21.1	16.7	—	—
	67	41.3	1.9	36.9	32.5	28.1	23.7	19.3	—	38.8	2.2	35.4	31.1	26.8	22.4	18.1	—
	62	37.5	1.9	37.5	36.8	33.5	29.1	24.7	20.3	35.3	2.2	35.3	34.9	32.3	28	23.6	19.3
	57	34.3	1.9	34.3	34.3	32.8	28.4	24	19.6	33.7	2.2	33.7	33.7	32.1	27.8	23.4	19.1
1200	77	52.3	2	27.9	23	18	—	—	—	48.8	2.3	26.4	21.5	16.6	—	—	—
	72	47.5	2	34.1	29.2	24.2	19.2	—	—	44.3	2.2	32.5	27.6	22.7	17.9	—	—
	67	42.7	1.9	40.4	35.4	30.4	25.4	20.5	—	39.9	2.2	38.7	33.8	28.9	24	19.1	—
	62	38.8	1.9	38.8	38.8	36.2	31.2	26.3	21.3	36.4	2.2	36.4	36.4	34.9	30	25.1	20.2
	57	35.5	1.9	35.5	35.5	35.5	30.5	25.5	20.6	34.7	2.2	34.7	34.7	34.7	29.8	24.9	20
1350	72	48.4	2	36.5	31.1	25.7	20.3	—	—	45.1	2.3	35	29.6	24.3	18.9	—	—
	67	43.5	1.9	42.3	37.7	32.3	26.8	21.4	—	40.6	2.2	40	36.2	30.8	25.5	20.1	—
	62	39.6	1.9	39.6	39.6	38.3	32.8	27.4	22	37	2.2	37	37	36.3	30.9	25.6	20.2
	57	36.2	1.9	36.2	36.2	36.2	30.8	25.3	19.9	35.3	2.2	35.3	35.3	35.3	29.9	24.6	19.2
1500	72	49.3	2	38.8	33	27.1	21.3	—	—	45.9	2.3	37.4	31.6	25.8	20	—	—
	67	44.3	2	44.3	39.9	34.1	28.3	22.4	—	41.4	2.2	41.4	38.6	32.8	26.9	21.1	—
	62	40.3	1.9	40.3	40.3	40.3	34.5	28.6	22.8	37.7	2.2	37.7	37.7	37.7	31.9	26	20.2
	57	36.8	1.9	36.8	36.8	36.8	31	25.2	19.3	35.9	2.2	35.9	35.9	35.9	30.1	24.3	18.5

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 48: ZL04 (3.0 ton, 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1](MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
	77	42	2.5	18.3	15.1	11.9	—	—	—	39	2.9	16.4	13.9	10.7	—	—	—
750	72	38.3	2.5	23.1	19.9	16.7	13.4	—	—	35.5	2.9	21.8	18.6	15.5	12.3	—	—
	67	34.6	2.5	27.9	24.6	21.4	18.2	15	—	32.1	2.8	27.1	23.4	20.2	17	13.9	—
	62	31.5	2.5	31.5	31.5	26.3	23.1	19.9	16.6	29.3	2.8	29.3	29.3	24.2	21	17.9	14.7
	77	43.1	2.5	20.5	16.7	13	—	—	—	39.9	2.9	19.2	15.5	11.8	—	—	—
900	72	39.3	2.5	25.7	21.9	18.2	14.5	—	—	36.4	2.9	24.4	20.7	17	13.3	—	—
	67	35.4	2.5	30.9	27.2	23.4	19.7	15.9	—	32.9	2.9	29.6	25.9	22.2	18.5	14.8	—
	62	32.3	2.5	32.3	32.3	28.7	25	21.2	17.5	30	2.8	30	30	26.5	22.8	19.2	15.5
	57	32.3	2.5	32.3	32.3	29	25.2	21.5	17.7	30.3	2.8	30.3	30.3	27	23.3	19.6	15.9
	77	44.1	2.6	22.6	18.4	14.1	—	—	—	40.9	2.9	21.9	17.1	12.8	—	—	—
1050	72	40.2	2.5	28.3	24	19.7	15.5	—	—	37.3	2.9	26.9	22.7	18.5	14.3	—	—
	67	36.3	2.5	34	29.7	25.4	21.1	16.8	—	33.7	2.9	32	28.4	24.1	19.9	15.7	—
	62	33.1	2.5	33.1	33.1	31.2	26.9	22.6	18.3	30.7	2.9	30.7	30.7	28.9	24.7	20.4	16.2
	57	33.1	2.5	33.1	33.1	31.4	27.1	22.8	18.6	31.1	2.8	31.1	31.1	29.4	25.2	20.9	16.7
	77	45.2	2.6	24.8	20	15.2	—	—	—	41.8	2.9	24.7	18.6	13.9	—	—	—
1200	72	41.2	2.5	30.9	26.1	21.3	16.5	—	—	38.1	2.9	29.5	24.8	20	15.2	—	—
	67	37.2	2.5	37	32.2	27.4	22.6	17.8	—	34.4	2.9	34.4	30.9	26.1	21.3	16.6	—
	62	33.9	2.5	33.9	33.9	33.6	28.8	24	19.2	31.4	2.9	31.4	31.4	31.2	26.5	21.7	16.9
	57	33.9	2.5	33.9	33.9	33.9	29.1	24.2	19.4	31.8	2.9	31.8	31.8	31.8	27	22.3	17.5
	72	41.9	2.5	33.5	28.2	22.9	17.5	—	—	38.6	2.9	32	26.7	21.5	16.2	—	—
1350	67	37.8	2.5	37.7	34.7	29.4	24.1	18.8	—	34.9	2.9	34.9	32.8	28.1	22.8	17.5	—
	62	34.5	2.5	34.5	34.5	34.3	29	23.7	18.4	31.8	2.9	31.8	31.8	31.7	26.5	21.2	16
	57	34.4	2.5	34.4	34.4	34.4	29.1	23.8	18.5	32.2	2.9	32.2	32.2	32.2	27	21.7	16.4
	72	42.6	2.5	36	30.2	24.4	18.6	—	—	39.2	2.9	34.5	28.7	23	17.2	—	—
1500	67	38.4	2.5	38.4	37.2	31.4	25.6	19.8	—	35.4	2.9	35.4	34.8	30	24.3	18.5	—
	62	35	2.5	35	35	35	29.2	23.4	17.7	32.2	2.9	32.2	32.2	32.2	26.5	20.7	15
	57	35	2.5	35	35	35	29.2	23.4	17.6	32.6	2.9	32.6	32.6	32.6	26.9	21.1	15.4
		115°F								125°F							
	77	35.9	3.3	14.5	12.7	9.6	—	—	—	32.9	3.6	12.6	11.5	8.5	—	—	—
750	72	32.8	3.2	20.5	17.4	14.3	11.2	—	—	30	3.6	19.2	16.1	13.1	10.1	—	—
	67	29.6	3.2	26.4	22.1	19	15.9	12.8	—	27.2	3.6	25.7	20.8	17.7	14.7	11.7	—
	62	27	3.2	27	27	22.1	19	15.9	12.8	24.7	3.6	24.7	24.7	20	16.9	13.9	10.9
	77	36.8	3.3	17.9	14.2	10.6	—	—	—	33.6	3.6	16.6	13	9.4	—	—	—
900	72	33.5	3.2	23	19.4	15.8	12.1	—	—	30.7	3.6	21.7	18.1	14.5	11	—	—
	67	30.3	3.2	28.2	24.6	20.9	17.3	13.6	—	27.8	3.6	26.8	23.2	19.7	16.1	12.5	—
	62	27.6	3.2	27.6	27.6	24.4	20.7	17.1	13.4	25.3	3.6	25.3	25.3	22.2	18.6	15	11.4
	57	28.4	3.2	28.4	28.4	25	21.4	17.8	14.1	26.5	3.6	26.5	26.5	23.1	19.5	15.9	12.3
	77	37.6	3.3	21.2	15.8	11.6	—	—	—	34.3	3.6	20.5	14.5	10.3	—	—	—
1050	72	34.3	3.3	25.6	21.4	17.2	13	—	—	31.4	3.6	24.2	20.1	16	11.8	—	—
	67	31	3.2	29.9	27	22.9	18.7	14.5	—	28.4	3.6	27.9	25.7	21.6	17.5	13.4	—
	62	28.3	3.2	28.3	28.3	26.6	22.4	18.3	14.1	25.8	3.6	25.8	25.8	24.3	20.2	16.1	12
	57	29.1	3.2	29.1	29.1	27.4	23.2	19	14.8	27.1	3.6	27.1	27.1	25.4	21.2	17.1	13
	77	38.4	3.3	24.6	17.3	12.6	—	—	—	35.1	3.6	24.5	15.9	11.3	—	—	—
1200	72	35.1	3.3	28.1	23.4	18.7	14	—	—	32	3.6	26.7	22.1	17.4	12.7	—	—
	67	31.7	3.2	31.7	29.5	24.8	20.1	15.4	—	29	3.6	29	28.2	23.5	18.9	14.2	—
	62	28.9	3.2	28.9	28.9	28.9	24.2	19.5	14.7	26.4	3.6	26.4	26.4	26.4	21.9	17.2	12.5
	57	29.7	3.2	29.7	29.7	29.7	25	20.3	15.5	27.6	3.6	27.6	27.6	27.6	23	18.3	13.6
	72	35.4	3.3	30.5	25.3	20.1	14.9	—	—	32.2	3.6	29.1	23.9	18.8	13.6	—	—
1350	67	32	3.2	32	30.9	26.7	21.5	16.3	—	29.1	3.6	29.1	29	25.4	20.2	15.1	—
	62	29.2	3.2	29.2	29.2	29.2	24	18.8	13.5	26.5	3.6	26.5	26.5	26.5	21.4	16.3	11.1
	57	30	3.2	30	30	30	24.8	19.6	14.4	27.8	3.6	27.8	27.8	27.8	22.6	17.5	12.3
	72	35.7	3.3	33	27.3	21.6	15.9	—	—	32.3	3.6	31.4	25.8	20.1	14.5	—	—
1500	67	32.3	3.3	32.3	32.3	28.6	22.9	17.2	—	29.3	3.6	29.3	29.3	27.2	21.6	15.9	—
	62	29.5	3.2	29.5	29.5	29.5	23.8	18.1	12.4	26.7	3.6	26.7	26.7	26.7	21	15.4	9.7
	57	30.3	3.2	30.3	30.3	30.3	24.6	18.9	13.2	27.9	3.6	27.9	27.9	27.9	22.3	16.6	11

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 49: ZL05 (4.0 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1000	77	59.6	2.9	27.1	21.8	17.1	—	—	—	57.1	3.2	25.5	20.8	16.1	—	—	—
	72	56.0	2.8	34.4	29.7	25.0	20.3	—	—	53.2	3.1	33.0	28.3	23.7	19.0	—	—
	67	52.5	2.6	41.8	37.7	33.0	28.3	23.6	—	49.2	3.0	40.5	35.9	31.2	26.5	21.9	—
	62	48.2	2.6	48.2	48.2	40.6	35.9	31.2	26.5	44.8	2.9	44.8	44.8	37.8	33.1	28.5	23.8
1200	77	60.8	2.9	28.7	23.5	18.3	—	—	—	58.4	3.2	27.9	22.7	17.4	—	—	—
	72	57.2	2.8	37.2	32.0	26.8	21.6	—	—	54.4	3.1	36.0	30.8	25.5	20.3	—	—
	67	53.6	2.6	45.7	40.5	35.3	30.1	24.9	—	50.3	3.0	44.1	38.9	33.6	28.4	23.1	—
	62	49.3	2.5	49.3	49.3	43.4	38.2	33.0	27.8	45.8	2.9	45.8	45.8	40.8	35.5	30.2	25.0
	57	48.9	2.5	48.9	48.9	45.0	39.8	34.6	29.4	45.5	2.9	45.5	45.5	41.5	36.2	31.0	25.7
1400	77	62.1	2.9	30.3	25.2	19.4	—	—	—	59.7	3.2	30.4	24.5	18.7	—	—	—
	72	58.4	2.8	39.9	34.2	28.5	22.8	—	—	55.6	3.1	39.1	33.2	27.4	21.5	—	—
	67	54.7	2.6	49.6	43.3	37.6	31.9	26.2	—	51.4	3.0	47.8	41.9	36.1	30.2	24.4	—
	62	50.3	2.5	50.3	50.3	46.3	40.6	34.9	29.1	46.8	2.9	46.8	46.8	43.7	37.9	32.0	26.2
	57	49.9	2.5	49.9	49.9	48.0	42.3	36.6	30.9	46.5	2.9	46.5	46.5	44.5	38.6	32.8	26.9
1600	77	63.4	2.9	31.9	26.9	20.6	—	—	—	61.0	3.2	32.8	26.4	19.9	—	—	—
	72	59.6	2.8	42.7	36.5	30.3	24.0	—	—	56.8	3.1	42.1	35.7	29.2	22.8	—	—
	67	55.8	2.6	53.5	46.1	39.9	33.7	27.4	—	52.5	3.0	51.4	45.0	38.5	32.1	25.6	—
	62	51.3	2.5	51.3	51.3	49.1	42.9	36.7	30.5	47.8	2.9	47.8	47.8	46.7	40.2	33.8	27.4
	57	51.0	2.5	51.0	51.0	51.0	44.8	38.5	32.3	47.5	2.9	47.5	47.5	47.5	41.1	34.6	28.2
1800	72	61.5	2.8	46.3	39.4	32.5	25.7	—	—	58.2	3.1	45.6	38.5	31.4	24.2	—	—
	67	57.6	2.6	56.4	49.8	42.9	36.0	29.1	—	53.9	3.0	53.3	48.4	41.3	34.2	27.1	—
	62	52.9	2.6	52.9	52.9	51.8	44.9	38.1	31.2	49.0	2.9	49.0	49.0	48.5	41.3	34.2	27.1
	57	52.6	2.5	52.6	52.6	52.6	45.7	38.8	31.9	48.7	2.9	48.7	48.7	48.7	41.6	34.5	27.4
2000	72	63.3	2.8	49.9	42.4	34.8	27.3	—	—	59.7	3.1	49.1	41.3	33.5	25.7	—	—
	67	59.3	2.7	59.3	53.4	45.9	38.4	30.8	—	55.3	3.0	55.3	51.9	44.1	36.4	28.6	—
	62	54.5	2.6	54.5	54.5	54.5	47.0	39.4	31.9	50.2	3.0	50.2	50.2	50.2	42.4	34.7	26.9
	57	54.1	2.6	54.1	54.1	54.1	46.6	39.0	31.5	49.9	2.9	49.9	49.9	49.9	42.2	34.4	26.6

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 50: ZL05 (4.0 ton, 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		[1]Total capacity[1] (MBh)	[2]Total input[2] (kW)	Sensible capacity (MBh)						Total capacity [1](MBh)	Total input [2](kW)	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
1000	77	54.7	3.4	23.9	19.9	15.2	—	—	—	50.0	3.8	21.4	18.3	13.6	—	—	—
	72	50.4	3.4	31.6	26.9	22.3	17.7	—	—	45.7	3.8	29.7	25.0	20.4	15.7	—	—
	67	46.0	3.3	39.2	34.0	29.4	24.8	20.2	—	41.4	3.7	38.0	31.8	27.2	22.5	17.9	—
	62	41.3	3.2	41.3	41.3	35.0	30.4	25.8	21.1	37.5	3.6	37.5	37.5	31.2	26.6	21.9	17.3
1200	77	56.0	3.5	27.2	21.9	16.6	—	—	—	51.4	3.9	25.8	20.3	15.0	—	—	—
	72	51.5	3.4	34.9	29.6	24.3	19.0	—	—	47.0	3.8	33.1	27.8	22.4	17.1	—	—
	67	47.1	3.3	42.6	37.3	32.0	26.7	21.4	—	42.5	3.7	40.3	35.2	29.9	24.6	19.3	—
	62	42.3	3.3	42.3	42.3	38.1	32.8	27.5	22.2	38.5	3.7	38.5	38.5	34.3	29.0	23.7	18.4
	57	42.1	3.3	42.1	42.1	37.9	32.6	27.3	22.0	39.0	3.7	39.0	39.0	34.7	29.4	24.1	18.8
1400	77	57.3	3.5	30.5	23.9	17.9	—	—	—	52.8	3.9	30.3	22.3	16.3	—	—	—
	72	52.7	3.4	38.2	32.2	26.2	20.3	—	—	48.2	3.8	36.4	30.5	24.5	18.5	—	—
	67	48.2	3.3	45.9	40.5	34.6	28.6	22.6	—	43.7	3.8	42.5	38.6	32.7	26.7	20.7	—
	62	43.3	3.3	43.3	43.3	41.2	35.2	29.2	23.2	39.6	3.7	39.6	39.6	37.5	31.5	25.5	19.6
	57	43.1	3.3	43.1	43.1	41.0	35.0	29.0	23.0	40.1	3.7	40.1	40.1	37.9	31.9	26.0	20.0
1600	77	58.5	3.5	33.7	25.9	19.2	—	—	—	54.1	3.9	34.8	24.3	17.7	—	—	—
	72	53.9	3.4	41.5	34.8	28.2	21.5	—	—	49.5	3.9	39.8	33.2	26.5	19.9	—	—
	67	49.3	3.3	49.3	43.8	37.1	30.5	23.8	—	44.8	3.8	44.8	42.0	35.4	28.8	22.2	—
	62	44.2	3.3	44.2	44.2	44.2	37.6	30.9	24.3	40.6	3.7	40.6	40.6	40.6	34.0	27.3	20.7
	57	44.0	3.3	44.0	44.0	44.0	37.4	30.7	24.0	41.1	3.8	41.1	41.1	41.1	34.5	27.8	21.2
1800	72	55.0	3.4	44.9	37.5	30.2	22.8	—	—	50.5	3.9	43.2	35.9	28.5	21.2	—	—
	67	50.2	3.4	50.2	47.1	39.8	32.4	25.1	—	45.7	3.8	45.7	44.2	38.0	30.7	23.3	—
	62	45.1	3.3	45.1	45.1	45.1	37.8	30.4	23.1	41.5	3.8	41.5	41.5	41.5	34.1	26.8	19.4
	57	44.9	3.3	44.9	44.9	44.9	37.5	30.2	22.8	42.0	3.8	42.0	42.0	42.0	34.6	27.3	19.9
2000	72	56.0	3.4	48.3	40.2	32.2	24.1	—	—	51.6	3.9	46.6	38.5	30.5	22.4	—	—
	67	51.2	3.4	51.2	50.4	42.4	34.4	26.3	—	46.7	3.8	46.7	46.3	40.6	32.6	24.5	—
	62	46.0	3.3	46.0	46.0	46.0	37.9	29.9	21.9	42.3	3.8	42.3	42.3	42.3	34.2	26.2	18.1
	57	45.8	3.3	45.8	45.8	45.8	37.7	29.7	21.6	42.9	3.8	42.9	42.9	42.9	34.8	26.7	18.6
		115°F								125°F							
1000	77	45.4	4.2	18.9	16.7	12.0	—	—	—	40.8	4.6	19.7	13.7	10.3	—	—	—
	72	41.1	4.1	27.8	23.2	18.5	13.8	—	—	36.5	4.5	26.0	21.3	16.6	11.9	—	—
	67	36.8	4.1	36.8	29.7	25.0	20.3	15.6	—	32.2	4.5	32.2	27.6	22.8	18.1	13.4	—
	62	33.7	4.0	33.7	33.7	27.4	22.7	18.1	13.4	29.9	4.4	29.9	29.9	23.6	18.9	14.2	9.5
1200	77	46.9	4.3	24.5	18.7	13.4	—	—	—	42.3	4.7	25.4	17.1	11.8	—	—	—
	72	42.4	4.2	31.2	25.9	20.6	15.3	—	—	37.9	4.6	29.4	24.1	18.8	13.5	—	—
	67	38.0	4.1	38.0	33.2	27.9	22.6	17.2	—	33.4	4.6	33.4	31.1	25.8	20.5	15.2	—
	62	34.8	4.1	34.8	34.8	30.6	25.3	20.0	14.7	31.1	4.5	31.1	31.1	26.9	21.5	16.2	10.9
	57	36.0	4.1	36.0	36.0	31.6	26.3	21.0	15.6	32.9	4.5	32.9	32.9	28.4	23.1	17.8	12.5
1400	77	48.3	4.3	30.2	20.7	14.8	—	—	—	43.8	4.7	31.2	20.4	13.2	—	—	—
	72	43.7	4.3	34.7	28.7	22.8	16.8	—	—	39.2	4.7	32.9	27.0	21.0	15.1	—	—
	67	39.1	4.2	39.1	36.7	30.8	24.8	18.9	—	34.6	4.6	34.6	34.6	28.9	22.9	17.0	—
	62	35.9	4.1	35.9	35.9	33.8	27.8	21.9	15.9	32.2	4.6	32.2	32.2	30.1	24.2	18.2	12.3
	57	37.1	4.1	37.1	37.1	34.9	28.9	23.0	17.0	34.1	4.6	34.1	34.1	31.8	25.9	20.0	14.0
1600	77	49.7	4.4	35.8	22.7	16.1	—	—	—	45.3	4.8	36.9	23.8	14.6	—	—	—
	72	45.0	4.3	38.1	31.5	24.9	18.3	—	—	40.6	4.8	36.4	29.8	23.3	16.7	—	—
	67	40.3	4.3	40.3	40.2	33.7	27.1	20.5	—	35.8	4.7	35.8	35.8	31.9	25.4	18.8	—
	62	37.0	4.2	37.0	37.0	37.0	30.4	23.8	17.2	33.3	4.6	33.3	33.3	33.3	26.8	20.2	13.7
	57	38.2	4.2	38.2	38.2	38.1	31.6	25.0	18.4	35.3	4.6	35.3	35.3	35.2	28.7	22.1	15.6
1800	72	46.1	4.3	41.5	34.2	26.8	19.5	—	—	41.6	4.8	39.8	32.5	25.1	17.8	—	—
	67	41.3	4.3	41.3	41.2	36.3	28.9	21.6	—	36.8	4.7	36.8	36.8	34.5	27.2	19.8	—
	62	37.8	4.2	37.8	37.8	37.8	30.5	23.1	15.8	34.2	4.6	34.2	34.2	34.2	26.8	19.5	12.1
	57	39.1	4.2	39.1	39.1	39.1	31.7	24.4	17.0	36.2	4.6	36.2	36.2	36.1	28.8	21.4	14.1
2000	72	47.1	4.3	45.0	36.9	28.7	20.6	—	—	42.7	4.8	42.7	35.2	27.0	18.9	—	—
	67	42.2	4.3	42.2	42.2	38.9	30.7	22.6	—	37.7	4.7	37.7	37.7	37.1	28.9	20.8	—
	62	38.7	4.2	38.7	38.7	38.7	30.6	22.4	14.3	35.0	4.6	35.0	35.0	35.0	26.9	18.7	10.6
	57	40.0	4.2	40.0	40.0	40.0	31.8	23.7	15.6	37.1	4.7	37.1	37.1	37.1	28.9	20.8	12.6

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 51: ZL06 (5.0 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)						Total capacity [1] (MBh)	Total input [2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1250	77	79.5	3.6	36.1	29.8	23.9	—	—	—	75.8	3.9	33.5	27.7	21.9	—	—	—
	72	72.1	3.4	44.5	38.6	32.7	26.7	—	—	69.0	3.8	42.3	36.4	30.6	24.8	—	—
	67	64.8	3.3	53.0	47.4	41.5	35.5	29.6	—	62.2	3.7	51.0	45.2	39.3	33.5	27.7	—
	62	58.8	3.2	58.8	58.8	49.8	43.9	38.0	32.0	56.5	3.7	56.5	56.5	47.6	41.8	35.9	30.1
1500	77	82.5	3.6	39.5	32.7	25.8	—	—	—	78.1	3.9	37.2	30.5	23.7	—	—	—
	72	74.9	3.4	49.0	42.1	35.3	28.4	—	—	71.1	3.8	46.7	40.0	33.2	26.5	—	—
	67	67.3	3.3	58.5	51.6	44.7	37.9	31.0	—	64.1	3.7	56.2	49.4	42.7	35.9	29.2	—
	62	61.1	3.2	61.1	61.1	53.8	46.9	40.1	33.2	58.3	3.7	58.3	58.3	51.6	44.9	38.1	31.4
	57	60.1	3.2	60.1	60.1	56.3	49.4	42.6	35.7	58.0	3.7	58.0	58.0	53.2	46.4	39.7	32.9
1750	77	85.6	3.6	42.9	35.5	27.7	—	—	—	80.4	4.0	40.9	33.3	25.6	—	—	—
	72	77.7	3.5	53.4	45.7	37.9	30.1	—	—	73.2	3.9	51.1	43.5	35.8	28.2	—	—
	67	69.8	3.3	63.9	55.8	48.0	40.2	32.5	—	66.0	3.8	61.4	53.7	46.0	38.4	30.7	—
	62	63.4	3.3	63.4	63.4	57.7	49.9	42.2	34.4	60.0	3.7	60.0	60.0	55.7	48.0	40.4	32.7
	57	62.3	3.2	62.3	62.3	60.4	52.6	44.9	37.1	59.8	3.7	59.8	59.8	57.3	49.7	42.0	34.4
2000	77	88.6	3.6	46.3	38.3	29.6	—	—	—	82.8	4.0	44.6	36.1	27.5	—	—	—
	72	80.4	3.5	57.9	49.2	40.5	31.8	—	—	75.4	3.9	55.6	47.0	38.4	29.9	—	—
	67	72.2	3.3	69.4	60.0	51.3	42.6	33.9	—	67.9	3.8	66.5	58.0	49.4	40.8	32.2	—
	62	65.6	3.3	65.6	65.6	61.7	53.0	44.3	35.6	61.8	3.7	61.8	61.8	59.7	51.2	42.6	34.0
	57	64.6	3.3	64.6	64.6	64.6	55.9	47.1	38.4	61.5	3.7	61.5	61.5	61.5	52.9	44.4	35.8
2250	72	82.0	3.5	61.9	52.4	42.9	33.3	—	—	76.6	3.9	59.7	50.3	40.9	31.5	—	—
	67	73.6	3.3	72.2	63.9	54.3	44.8	35.3	—	69.0	3.8	68.3	62.0	52.6	43.2	33.8	—
	62	66.9	3.3	66.9	66.9	64.9	55.4	45.9	36.3	62.8	3.7	62.8	62.8	61.8	52.4	43.0	33.6
	57	65.8	3.3	65.8	65.8	65.8	56.3	46.8	37.2	62.5	3.7	62.5	62.5	62.5	53.1	43.8	34.4
2500	72	83.5	3.5	65.9	55.6	45.2	34.9	—	—	77.8	3.9	63.7	53.6	43.4	33.2	—	—
	67	75.0	3.3	75.0	67.7	57.4	47.0	36.7	—	70.1	3.8	70.1	65.9	55.8	45.6	35.4	—
	62	68.2	3.3	68.2	68.2	68.2	57.8	47.5	37.1	63.8	3.7	63.8	63.8	63.8	53.6	43.4	33.2
	57	67.1	3.3	67.1	67.1	67.1	56.7	46.4	36.0	63.5	3.7	63.5	63.5	63.5	53.3	43.2	33.0
		95°F								105°F							
1250	77	72.0	4.3	31.0	25.6	19.9	—	—	—	66.8	4.8	28.5	24.3	18.6	—	—	—
	72	65.8	4.2	40.0	34.3	28.6	22.8	—	—	61.0	4.8	38.6	32.8	27.1	21.4	—	—
	67	59.6	4.2	49.0	43.0	37.2	31.5	25.8	—	55.3	4.7	48.6	41.4	35.7	30.0	24.3	—
	62	54.2	4.1	54.2	54.2	45.3	39.6	33.9	28.2	51.1	4.7	51.1	51.1	42.9	37.1	31.4	25.7
1500	77	73.7	4.3	35.0	28.3	21.7	—	—	—	68.4	4.9	33.4	26.8	20.3	—	—	—
	72	67.3	4.3	44.4	37.8	31.2	24.5	—	—	62.5	4.8	42.8	36.2	29.6	23.0	—	—
	67	60.9	4.2	53.9	47.3	40.7	34.0	27.4	—	56.6	4.7	52.1	45.5	38.9	32.4	25.8	—
	62	55.5	4.2	55.5	55.5	49.5	42.9	36.2	29.6	52.3	4.7	52.3	52.3	46.8	40.2	33.6	27.0
	57	56.0	4.1	56.0	56.0	50.1	43.4	36.8	30.2	52.6	4.7	52.6	52.6	47.0	40.4	33.9	27.3
1750	77	75.3	4.3	38.9	31.1	23.5	—	—	—	70.0	4.9	38.3	29.4	21.9	—	—	—
	72	68.8	4.3	48.9	41.3	33.8	26.3	—	—	63.9	4.8	47.0	39.5	32.1	24.6	—	—
	67	62.3	4.2	58.8	51.6	44.1	36.5	29.0	—	57.9	4.8	55.7	49.7	42.2	34.7	27.2	—
	62	56.7	4.2	56.7	56.7	53.6	46.1	38.6	31.0	53.5	4.7	53.5	53.5	50.6	43.2	35.7	28.2
	57	57.2	4.1	57.2	57.2	54.3	46.7	39.2	31.7	53.8	4.7	53.8	53.8	51.0	43.5	36.0	28.5
2000	77	76.9	4.3	42.9	33.8	25.3	—	—	—	71.6	4.9	43.2	32.0	23.6	—	—	—
	72	70.3	4.3	53.3	44.9	36.4	28.0	—	—	65.4	4.8	51.2	42.9	34.5	26.2	—	—
	67	63.6	4.3	63.6	55.9	47.5	39.0	30.6	—	59.2	4.8	59.2	53.8	45.4	37.1	28.7	—
	62	57.9	4.2	57.9	57.9	57.8	49.4	40.9	32.5	54.7	4.7	54.7	54.7	54.5	46.2	37.8	29.5
	57	58.5	4.2	58.5	58.5	58.5	50.0	41.6	33.2	55.0	4.7	55.0	55.0	54.9	46.5	38.2	29.8
2250	72	71.2	4.3	57.4	48.2	39.0	29.7	—	—	66.0	4.8	55.2	46.1	36.9	27.8	—	—
	67	64.5	4.2	64.5	60.0	50.8	41.6	32.4	—	59.8	4.8	59.8	56.8	48.6	39.5	30.4	—
	62	58.7	4.2	58.7	58.7	58.6	49.4	40.1	30.9	55.3	4.7	55.3	55.3	55.2	46.0	36.9	27.8
	57	59.2	4.2	59.2	59.2	59.2	50.0	40.8	31.5	55.6	4.7	55.6	55.6	55.5	46.4	37.2	28.1
2500	72	72.1	4.3	61.6	51.6	41.5	31.5	—	—	66.6	4.8	59.2	49.3	39.4	29.5	—	—
	67	65.3	4.2	65.3	64.2	54.2	44.2	34.1	—	60.4	4.8	60.4	59.8	51.8	41.9	32.0	—
	62	59.4	4.2	59.4	59.4	59.4	49.4	39.4	29.3	55.8	4.7	55.8	55.8	55.8	45.9	36.0	26.1
	57	60.0	4.2	60.0	60.0	60.0	49.9	39.9	29.9	56.1	4.7	56.1	56.1	56.1	46.2	36.3	26.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 52: ZL06 (5.0 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
1250	77	61.6	5.4	26.1	23.0	17.3	—	—	—	56.3	5.9	24.7	21.7	16.0	—	—	—
	72	56.3	5.3	37.1	31.4	25.7	20.0	—	—	51.5	5.8	35.7	30.0	24.3	18.6	—	—
	67	50.9	5.2	48.1	39.9	34.2	28.5	22.8	—	46.6	5.8	46.6	38.3	32.6	26.9	21.3	—
	62	47.9	5.2	47.9	47.9	40.4	34.7	29.0	23.3	44.8	5.7	44.8	44.8	37.9	32.2	26.5	20.9
1500	77	63.1	5.4	31.9	25.4	18.8	—	—	—	57.8	6.0	31.1	23.9	17.4	—	—	—
	72	57.7	5.3	41.1	34.6	28.0	21.5	—	—	52.8	5.9	39.5	33.0	26.5	19.9	—	—
	67	52.2	5.3	50.3	43.8	37.2	30.7	24.1	—	47.9	5.8	47.9	42.0	35.5	29.0	22.5	—
	62	49.1	5.2	49.1	49.1	44.0	37.5	30.9	24.4	46.0	5.8	46.0	46.0	41.3	34.8	28.3	21.7
	57	49.2	5.2	49.2	49.2	44.0	37.5	30.9	24.4	45.8	5.8	45.8	45.8	41.0	34.5	28.0	21.5
1750	77	64.6	5.4	37.7	27.8	20.4	—	—	—	59.3	6.0	37.5	26.1	18.8	—	—	—
	72	59.1	5.4	45.1	37.7	30.3	22.9	—	—	54.2	5.9	43.3	36.0	28.6	21.3	—	—
	67	53.5	5.3	52.6	47.7	40.3	32.9	25.5	—	49.1	5.8	49.1	45.8	38.4	31.1	23.8	—
	62	50.3	5.3	50.3	50.3	47.6	40.2	32.8	25.4	47.2	5.8	47.2	47.2	44.6	37.3	30.0	22.6
	57	50.4	5.3	50.4	50.4	47.6	40.2	32.8	25.4	47.0	5.8	47.0	47.0	44.3	37.0	29.7	22.3
2000	77	66.2	5.4	43.6	30.2	21.9	—	—	—	60.8	6.0	43.9	28.4	20.2	—	—	—
	72	60.5	5.4	49.2	40.9	32.7	24.4	—	—	55.6	5.9	47.1	38.9	30.8	22.6	—	—
	67	54.8	5.3	54.8	51.6	43.4	35.1	26.9	—	50.3	5.8	50.3	49.5	41.3	33.2	25.0	—
	62	51.5	5.3	51.5	51.5	51.3	43.0	34.8	26.5	48.3	5.8	48.3	48.3	48.0	39.9	31.7	23.5
	57	51.6	5.3	51.6	51.6	51.3	43.0	34.8	26.5	48.1	5.8	48.1	48.1	47.7	39.5	31.4	23.2
2250	72	60.8	5.4	53.0	43.9	34.9	25.9	—	—	55.7	5.9	50.7	41.8	32.9	24.0	—	—
	67	55.1	5.3	55.1	53.5	46.4	37.4	28.3	—	50.4	5.9	50.4	50.3	44.2	35.3	26.3	—
	62	51.9	5.3	51.9	51.9	51.7	42.7	33.7	24.7	48.4	5.8	48.4	48.4	48.3	39.4	30.4	21.5
	57	51.9	5.3	51.9	51.9	51.7	42.7	33.7	24.7	48.2	5.9	48.2	48.2	48.0	39.1	30.2	21.2
2500	72	61.2	5.4	56.8	47.0	37.2	27.4	—	—	55.8	6.0	54.4	44.7	35.0	25.3	—	—
	67	55.4	5.3	55.4	55.4	49.4	39.6	29.8	—	50.5	5.9	50.5	50.5	47.0	37.3	27.7	—
	62	52.2	5.3	52.2	52.2	52.2	42.4	32.6	22.8	48.5	5.9	48.5	48.5	48.5	38.9	29.2	19.5
	57	52.2	5.3	52.2	52.2	52.2	42.4	32.6	22.8	48.3	5.9	48.3	48.3	48.3	38.7	29.0	19.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

ZL08 to 14 cooling capacities

Table 53: ZL08 (7.5 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	77	120.1	5.3	61.8	51.4	41.1	—	—	—	114.6	5.6	59.1	49.2	39.3	—	—	—
	72	108.3	5.3	71.0	61.1	51.3	41.4	—	—	104.2	5.6	69.9	59.6	49.2	38.9	—	—
	67	96.5	5.3	80.3	70.9	61.4	50.1	41.0	—	93.8	5.6	80.7	69.9	59.2	48.2	38.3	—
	62	88.7	5.2	88.7	80.6	71.6	58.1	50.6	40.1	84.9	5.6	84.9	77.9	69.1	57.1	48.0	37.5
2250	77	121.3	5.3	67.9	54.5	41.1	—	—	—	115.6	5.6	65.1	52.1	39.2	—	—	—
	72	111.0	5.3	77.5	65.6	53.6	41.8	—	—	106.4	5.6	75.8	63.7	51.6	39.4	—	—
	67	100.7	5.3	87.0	76.6	66.3	53.2	41.9	—	97.1	5.6	85.2	75.2	63.9	51.1	39.3	—
	62	94.4	5.2	92.9	86.6	78.8	64.0	53.9	41.4	90.5	5.6	85.9	83.8	76.3	62.6	51.2	38.6
	57	88.2	5.2	93.4	93.4	91.4	78.6	65.8	53.1	86.1	5.6	86.1	86.1	86.1	75.9	63.1	50.3
2625	77	122.4	5.3	74.1	57.6	41.1	—	—	—	116.5	5.6	71.1	55.1	39.0	—	—	—
	72	113.7	5.3	83.9	70.0	56.1	42.2	—	—	108.5	5.6	81.6	67.7	53.9	40.0	—	—
	67	105.0	5.3	93.7	82.4	71.1	56.2	42.7	—	100.5	5.6	92.1	80.4	68.7	54.1	40.2	—
	62	100.2	5.3	95.5	92.7	86.1	69.9	57.2	42.7	96.1	5.6	93.1	89.6	83.6	68.1	54.3	39.7
	57	97.8	5.2	97.8	97.8	97.1	86.4	71.6	56.8	94.5	5.6	94.5	94.5	94.5	83.4	68.5	53.5
3000	77	123.6	5.3	80.2	60.6	41.1	—	—	—	117.5	5.6	77.2	58.0	38.8	—	—	—
	72	116.4	5.3	90.3	74.4	58.5	42.6	—	—	110.7	5.6	87.5	71.8	56.2	40.5	—	—
	67	109.2	5.3	100.4	88.2	75.9	59.3	43.6	—	103.9	5.6	97.8	85.6	73.5	57.1	41.2	—
	62	106.0	5.3	102.4	98.7	93.4	75.7	60.5	44.0	101.6	5.6	99.1	95.5	90.8	73.6	57.5	40.8
	57	102.8	5.3	102.8	102.8	102.8	94.1	77.3	60.6	99.4	5.6	99.4	99.4	99.4	91.0	73.8	56.6
3375	72	119.1	5.3	96.7	78.8	60.9	43.0	—	—	112.8	5.6	93.3	75.9	58.5	41.0	—	—
	67	113.5	5.3	107.1	94.0	80.8	62.4	44.4	—	107.2	5.6	103.4	90.9	78.3	60.1	42.1	—
	62	111.8	5.3	108.2	104.8	100.7	81.6	63.8	45.3	107.2	5.6	104.7	101.4	98.1	79.1	60.6	41.9
	57	110.1	5.3	108.9	108.9	108.9	101.8	83.1	64.4	107.2	5.6	104.7	104.7	104.7	98.5	79.2	59.8
3750	72	121.8	5.3	103.2	83.3	63.332	43.4	—	—	115.0	5.6	99.2	80.0	60.8	41.6	—	—
	67	117.7	5.3	113.5	99.7	85.6	65.4	45.3	—	113.9	5.6	109.1	96.1	83.0	63.1	43.1	—
	62	117.6	5.3	113.7	110.8	107.9	87.5	67.1	46.6	112.8	5.6	109.2	107.2	105.3	84.5	63.8	43.0
	57	117.4	5.3	113.7	113.7	113.7	109.5	88.8	68.1	112.7	5.6	109.2	109.2	109.2	106.0	84.5	63.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 54: ZL08 (7.5 ton, 95°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		95°F								105°F							
1875	77	109.2	5.9	56.4	47.0	37.6	—	—	—	100.5	6.4	54.3	44.6	34.9	—	—	—
	72	100.1	5.9	68.8	58.0	47.2	36.5	—	—	92.6	6.4	66.0	55.2	44.4	33.6	—	—
	67	91.1	5.9	81.1	69.0	56.9	46.3	35.6	—	84.7	6.4	77.7	65.8	54.0	43.4	32.8	—
	62	82.2	5.9	82.2	75.2	66.6	56.0	45.5	35.0	80.1	6.4	79.8	71.6	63.5	53.2	42.8	32.5
2250	77	109.9	5.9	62.3	49.8	37.2	—	—	—	101.4	6.4	60.8	47.6	34.4	—	—	—
	72	101.7	5.9	74.1	61.7	49.431	37.1	—	—	94.4	6.4	71.3	58.9	46.6	34.2	—	—
	67	93.6	5.9	84.9	73.7	61.6	49.1	36.7	—	87.5	6.4	79.7	70.2	58.7	46.2	33.8	—
	62	86.5	5.9	85.1	80.9	73.8	61.2	48.5	35.9	82.1	6.4	80.0	77.1	70.8	58.3	45.8	33.3
	57	85.3	5.9	85.3	85.3	85.3	73.2	60.4	47.6	80.9	6.4	80.9	80.9	80.9	70.4	57.8	45.2
2625	77	110.6	5.9	68.2	52.6	36.9	—	—	—	102.2	6.4	67.3	50.6	34.0	—	—	—
	72	103.3	5.9	79.3	65.5	51.6	37.8	—	—	96.3	6.4	76.6	62.6	48.7	34.7	—	—
	67	96.0	5.9	88.0	78.4	66.3	52.0	37.7	—	90.3	6.4	85.0	74.7	63.4	49.1	34.8	—
	62	91.9	5.9	88.5	86.6	81.0	66.3	51.5	36.8	87.0	6.4	85.9	82.7	78.1	63.4	48.7	34.1
	57	89.1	5.9	89.1	89.1	89.1	80.5	65.3	50.1	86.0	6.4	86.0	86.0	86.0	77.8	62.7	47.7
3000	77	111.4	5.9	74.1	55.4	36.6	—	—	—	103.0	6.4	73.8	53.6	33.5	—	—	—
	72	104.9	5.9	84.6	69.2	53.8	38.4	—	—	98.1	6.4	81.9	66.4	50.8	35.3	—	—
	67	98.5	5.9	95.1	83.1	71.0	54.9	38.8	—	93.1	6.4	90.0	79.1	68.1	51.9	35.7	—
	62	97.3	5.9	96.3	92.3	88.3	71.4	54.5	37.6	92.0	6.4	90.6	88.2	85.4	68.6	51.7	34.8
	57	96.4	5.9	96.4	96.4	96.4	87.9	70.3	52.7	90.8	6.4	90.8	90.8	90.8	85.2	67.7	50.1
3375	72	106.6	5.9	89.9	73.0	56.0	39.1	—	—	99.9	6.4	87.2	70.1	52.9	35.8	—	—
	67	104.3	5.9	99.8	87.8	75.7	57.8	39.8	—	97.8	6.4	94.1	83.5	72.8	54.8	36.7	—
	62	102.7	5.9	100.5	98.0	95.5	76.5	57.5	38.5	96.9	6.4	94.7	93.7	92.7	73.7	54.6	35.6
	57	101.9	5.9	101.3	101.3	101.3	95.2	75.2	55.2	96.5	6.4	95.2	95.2	95.2	92.6	72.6	52.6
3750	72	112.6	5.9	95.2	76.7	58.208	39.7	—	—	104.8	6.4	92.5	73.8	55.1	36.4	—	—
	67	108.2	5.9	104.4	92.4	80.5	60.7	40.9	—	101.8	6.4	98.2	87.9	77.5	57.6	37.6	—
	62	108.0	5.9	104.7	103.7	102.7	81.6	60.5	39.4	101.0	6.4	98.4	98.4	98.4	78.8	57.6	36.4
	57	106.0	5.9	105.0	105.0	105.0	102.6	80.2	57.8	98.8	6.4	98.6	98.6	98.6	98.6	77.6	55.1
		115°F								125°F							
1875	77	91.9	6.8	52.2	42.2	32.2	—	—	—	83.3	7.3	50.1	39.8	29.5	—	—	—
	72	85.1	6.8	63.2	52.4	41.6	30.8	—	—	77.6	7.3	60.5	49.6	38.8	27.9	—	—
	67	78.2	6.8	74.3	62.6	51.0	40.5	30.1	—	71.8	7.3	68.8	59.5	48.1	37.7	27.3	—
	62	74.5	6.8	74.5	68.1	60.4	50.3	40.1	30.0	69.3	7.3	69.3	64.5	57.4	47.4	37.5	27.5
2250	77	92.8	6.8	59.3	45.4	31.6	—	—	—	84.3	7.3	57.7	43.2	28.8	—	—	—
	72	87.1	6.8	68.5	56.1	43.7	31.2	—	—	79.8	7.3	65.8	53.3	40.8	28.3	—	—
	67	81.4	6.8	75.6	66.8	55.7	43.3	30.9	—	75.3	7.3	72.5	63.3	52.8	40.4	28.1	—
	62	77.7	6.8	76.0	73.4	67.8	55.4	43.1	30.7	73.3	7.3	72.7	69.7	64.8	52.6	40.3	28.1
	57	76.5	6.8	76.5	76.5	76.5	67.5	55.2	42.8	72.8	7.3	72.8	72.8	72.8	64.7	52.6	40.4
2625	77	93.8	6.8	66.3	48.7	31.0	—	—	—	85.3	7.3	65.4	46.7	28.1	—	—	—
	72	89.2	6.8	73.8	59.8	45.7	31.7	—	—	82.1	7.3	71.1	57.0	42.8	28.6	—	—
	67	84.6	6.8	81.4	70.9	60.5	46.1	31.8	—	78.9	7.3	76.2	67.2	57.5	43.2	28.8	—
	62	82.2	6.8	81.6	78.7	75.2	60.6	46.0	31.3	77.3	7.3	76.4	74.8	72.3	57.7	43.2	28.6
	57	82.0	6.8	82.0	82.0	82.0	75.0	60.1	45.2	76.5	7.3	76.5	76.5	76.5	72.3	57.5	42.8
3000	77	94.7	6.8	73.4	51.9	30.4	—	—	—	86.4	7.3	73.0	50.2	27.3	—	—	—
	72	91.2	6.8	79.2	63.5	47.8	32.1	—	—	84.4	7.3	76.4	60.6	44.8	29.0	—	—
	67	87.8	6.8	84.9	75.1	65.2	48.9	32.7	—	82.4	7.3	79.8	71.1	62.3	45.9	29.6	—
	62	86.7	6.8	85.5	84.1	82.6	65.7	48.9	32.0	81.3	7.3	80.1	79.9	79.7	62.9	46.0	29.2
	57	85.5	6.8	85.5	85.5	85.5	82.5	65.1	47.6	80.3	7.3	80.3	80.3	80.3	79.8	62.5	45.1
3375	72	93.3	6.8	84.5	67.2	49.9	32.6	—	—	86.7	7.3	81.7	64.3	46.8	29.4	—	—
	67	91.3	6.8	88.5	79.2	69.9	51.7	33.5	—	85.9	7.3	82.9	74.9	67.0	48.7	30.4	—
	62	91.1	6.8	88.8	88.8	88.8	70.9	51.8	32.7	85.4	7.3	83.0	83.0	83.0	68.0	48.9	29.8
	57	90.9	6.8	89.1	89.1	89.1	89.1	70.0	50.0	84.8	7.3	83.1	83.1	83.1	83.1	67.4	47.4
3750	72	97.1	6.9	89.8	70.9	52.0	33.0	—	—	90.3	7.3	85.5	67.9	48.8	29.7	—	—
	67	95.6	6.8	92.0	83.3	74.6	54.5	34.4	—	89.4	7.3	85.7	78.8	71.7	51.5	31.2	—
	62	95.3	6.8	92.1	92.1	92.1	76.0	54.7	33.4	89.4	7.3	85.8	85.8	85.8	73.2	51.8	30.3
	57	95.0	6.8	92.2	92.2	92.2	92.2	75.0	52.4	89.3	7.3	85.9	85.9	85.9	85.9	72.4	49.8

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 55: ZL09 (8.5 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	77	123.4	5.7	61.3	53.9	46.6	—	—	—	118.9	6.1	58.2	50.7	43.3	—	—	—
	72	117.7	5.6	79.3	68.0	56.7	45.5	—	—	112.1	6.0	76.9	65.5	54.0	42.6	—	—
	67	112.0	5.6	97.3	82.1	66.9	57.7	45.1	—	105.3	6.0	95.6	80.2	64.8	54.4	42.3	—
	62	108.6	5.6	102.9	89.7	77.1	65.0	56.1	45.6	99.2	6.0	98.3	86.8	75.6	63.7	53.5	42.4
2550	77	124.9	5.7	66.8	56.1	45.4	—	—	—	120.0	6.1	65.0	53.8	42.6	—	—	—
	72	119.9	5.7	85.4	72.1	58.8	45.6	—	—	114.3	6.0	83.2	69.8	56.4	43.0	—	—
	67	114.9	5.6	102.8	88.1	72.3	60.5	46.0	—	108.6	6.0	97.8	85.8	70.2	57.4	43.2	—
	62	107.6	5.6	103.2	96.2	85.7	71.4	59.7	46.7	102.1	6.0	98.0	93.2	84.0	69.8	56.9	43.3
	57	106.2	5.6	106.2	104.3	99.1	86.2	73.4	60.5	98.1	6.0	98.1	98.1	97.7	84.1	70.5	56.9
2975	77	126.4	5.7	72.3	58.3	44.3	—	—	—	121.2	6.1	71.9	56.9	41.9	—	—	—
	72	122.1	5.7	91.4	76.2	60.9	45.7	—	—	116.6	6.1	89.5	74.1	58.7	43.3	—	—
	67	117.8	5.6	110.6	94.1	77.6	63.2	46.8	—	111.9	6.0	100.8	91.3	75.5	60.3	44.1	—
	62	109.6	5.6	109.6	102.6	94.2	77.8	63.3	47.8	106.6	6.0	101.1	99.5	92.3	75.9	60.3	44.3
	57	108.7	5.6	108.7	106.1	103.5	95.3	79.7	64.1	101.3	6.0	101.3	101.3	101.3	92.8	76.5	60.1
3400	77	127.9	5.8	77.7	60.4	43.1	—	—	—	122.4	6.1	78.7	59.9	41.2	—	—	—
	72	124.3	5.7	97.5	80.3	63.0	45.8	—	—	118.8	6.1	95.8	78.4	61.1	43.7	—	—
	67	120.7	5.7	117.3	100.1	82.9	66.0	47.7	—	115.1	6.0	106.0	96.9	80.9	63.3	45.0	—
	62	114.3	5.7	114.3	109.0	102.8	84.2	66.8	48.8	111.1	6.0	106.8	105.8	100.7	81.9	63.7	45.2
	57	111.2	5.7	110.8	110.8	110.8	104.4	86.0	67.6	107.0	6.0	106.9	106.9	106.9	101.5	82.4	63.3
3825	72	126.5	5.7	103.6	84.3	65.1	45.9	—	—	121.0	6.1	102.1	82.7	63.4	44.1	—	—
	67	123.6	5.7	114.1	106.1	88.3	68.7	48.5	—	118.4	6.1	112.4	102.5	86.3	66.3	45.9	—
	62	119.0	5.7	115.5	115.5	111.4	90.6	70.4	49.9	115.6	6.1	113.2	112.2	109.1	88.0	67.1	46.2
	57	116.2	5.7	115.8	115.8	115.8	113.4	92.3	71.2	113.9	6.1	113.8	113.8	113.8	110.2	88.4	66.5
4250	72	128.7	5.8	109.6	88.4	67.2	46.0	—	—	123.3	6.1	108.4	87.1	65.7	44.4	—	—
	67	126.5	5.7	121.0	112.1	93.6	71.5	49.4	—	121.7	6.1	119.0	108.0	91.6	69.2	46.8	—
	62	123.7	5.7	122.5	121.9	120.0	97.0	74.0	51.0	120.1	6.1	119.4	118.5	117.5	94.0	70.6	47.1
	57	122.8	5.7	122.8	122.8	122.8	122.5	98.6	74.7	119.5	6.1	119.5	119.5	119.5	118.8	94.3	69.8
		95°F								105°F							
2125	77	114.3	6.5	55.2	47.6	40.0	—	—	—	105.1	7.1	54.3	45.4	36.6	—	—	—
	72	106.5	6.4	74.5	62.9	51.3	39.7	—	—	98.6	7.1	71.9	60.1	48.4	36.6	—	—
	67	98.7	6.4	93.9	78.3	62.7	51.1	39.5	—	92.2	7.0	89.5	74.9	60.2	48.4	36.5	—
	62	95.1	6.4	94.5	83.9	74.1	62.4	50.8	39.2	90.4	7.0	89.6	80.3	72.0	60.1	48.2	36.3
2550	77	115.2	6.5	63.3	51.5	39.7	—	—	—	106.5	7.1	63.0	49.7	36.4	—	—	—
	72	108.8	6.4	81.0	67.5	53.91	40.4	—	—	101.1	7.1	78.4	64.6	50.9	37.1	—	—
	67	102.3	6.4	95.5	83.4	68.1	54.3	40.4	—	95.8	7.1	91.4	79.5	65.3	51.3	37.3	—
	62	99.3	6.4	96.0	90.1	82.2	68.2	54.1	40.0	93.4	7.0	92.2	86.1	79.8	65.6	51.3	37.0
	57	96.3	6.4	96.3	96.3	96.3	82.1	67.7	53.4	92.4	7.0	92.4	92.4	92.4	79.8	65.3	50.7
2975	77	116.1	6.5	71.5	55.5	39.5	—	—	—	107.9	7.1	71.8	54.0	36.2	—	—	—
	72	111.0	6.4	87.5	72.0	56.5	41.0	—	—	103.7	7.1	84.8	69.1	53.4	37.6	—	—
	67	106.0	6.4	102.0	88.5	73.5	57.4	41.4	—	99.4	7.1	95.8	84.2	70.5	54.3	38.1	—
	62	103.6	6.4	102.3	96.4	90.4	73.9	57.3	40.8	97.5	7.0	96.2	91.9	87.6	71.0	54.4	37.7
	57	102.8	6.4	102.8	102.8	102.8	90.3	73.3	56.2	96.5	7.0	96.5	96.5	96.5	87.7	70.6	53.5
3400	77	117.0	6.5	79.6	59.5	39.3	—	—	—	109.4	7.1	80.5	58.3	36.0	—	—	—
	72	113.3	6.4	94.1	76.6	59.1	41.6	—	—	106.2	7.1	91.3	73.6	55.8	38.1	—	—
	67	109.6	6.4	105.6	93.7	78.9	60.6	42.4	—	103.0	7.1	99.9	88.9	75.7	57.3	38.9	—
	62	107.9	6.4	105.7	102.6	98.6	79.6	60.6	41.6	102.0	7.1	100.1	97.8	95.5	76.4	57.4	38.4
	57	106.1	6.4	105.8	105.8	105.8	98.6	78.8	59.1	100.9	7.0	100.9	100.9	100.9	95.6	76.0	56.3
3825	72	115.5	6.5	100.6	81.1	61.7	42.2	—	—	108.7	7.1	97.7	78.0	58.3	38.6	—	—
	67	113.2	6.4	109.4	98.8	84.3	63.8	43.3	—	106.6	7.1	103.6	93.5	80.8	60.3	39.7	—
	62	112.1	6.4	110.0	108.9	106.8	85.4	63.9	42.4	105.6	7.1	104.0	103.6	103.3	81.9	60.5	39.1
	57	111.0	6.4	110.4	110.4	110.4	106.9	84.4	61.9	104.7	7.1	104.7	104.7	104.7	103.5	81.3	59.1
4250	72	117.8	6.5	107.1	85.7	64.3	42.9	—	—	111.2	7.1	104.2	82.5	60.8	39.1	—	—
	67	116.9	6.5	115.5	104.0	89.6	67.0	44.3	—	110.3	7.1	106.9	98.2	86.0	63.2	40.5	—
	62	116.4	6.5	115.6	115.1	115.0	91.1	67.1	43.2	109.7	7.1	107.8	107.8	107.8	87.3	63.6	39.8
	57	115.9	6.5	115.7	115.7	115.7	115.2	90.0	64.8	109.2	7.1	109.2	109.2	109.2	109.2	86.7	61.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 56: ZL09 (8.5 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2125	77	95.8	7.7	53.4	43.3	33.2	—	—	—	86.6	8.3	52.5	41.2	29.8	—	—	—
	72	90.7	7.7	69.3	57.4	45.4	33.5	—	—	82.9	8.3	66.7	54.6	42.5	30.4	—	—
	67	86.3	7.7	83.5	71.4	57.7	45.6	33.6	—	79.1	8.3	77.5	68.0	55.2	42.9	30.7	—
	62	84.1	7.7	84.1	76.6	70.0	57.8	45.6	33.5	77.9	8.3	77.9	73.0	67.9	55.5	43.0	30.6
2550	77	97.8	7.7	62.7	47.9	33.0	—	—	—	89.1	8.3	62.4	46.1	29.7	—	—	—
	72	93.5	7.7	75.7	61.8	47.8	33.9	—	—	85.9	8.3	73.0	58.9	44.8	30.6	—	—
	67	89.2	7.7	85.0	75.6	62.6	48.4	34.2	—	82.7	8.3	79.8	71.7	59.9	45.5	31.1	—
	62	87.5	7.7	85.4	82.1	77.4	63.0	48.5	34.1	81.6	8.3	80.1	78.0	75.0	60.3	45.7	31.1
	57	85.7	7.7	85.6	85.6	85.6	77.5	62.8	48.1	80.4	8.3	80.4	80.4	80.4	75.2	60.3	45.5
2975	77	99.8	7.7	72.1	52.5	32.9	—	—	—	91.6	8.3	72.4	51.0	29.6	—	—	—
	72	96.3	7.7	82.1	66.1	50.2	34.3	—	—	89.0	8.3	79.4	63.2	47.1	30.9	—	—
	67	92.8	7.7	89.0	79.8	67.5	51.2	34.9	—	86.3	8.3	83.6	75.5	64.5	48.1	31.6	—
	62	91.4	7.7	89.4	87.5	84.8	68.1	51.4	34.7	85.3	8.3	84.1	83.0	82.0	65.2	48.4	31.6
	57	89.9	7.7	89.9	89.9	89.9	85.0	67.9	50.8	84.3	8.3	84.2	84.2	84.2	82.4	65.3	48.1
3400	77	101.8	7.7	81.4	57.1	32.7	—	—	—	94.1	8.3	82.3	55.9	29.5	—	—	—
	72	99.1	7.7	88.5	70.5	52.6	34.6	—	—	92.0	8.3	85.7	67.5	49.3	31.2	—	—
	67	96.4	7.7	93.3	84.0	72.4	54.0	35.5	—	89.9	8.3	87.6	79.2	69.2	50.6	32.0	—
	62	95.3	7.7	93.6	92.9	92.3	73.3	54.3	35.3	89.0	8.3	87.8	87.8	87.8	70.1	51.1	32.1
	57	94.1	7.7	94.1	94.1	94.1	92.6	73.1	53.5	88.1	8.3	88.1	88.1	88.1	88.1	70.2	50.8
3825	72	102.4	7.7	94.9	74.9	55.0	35.0	—	—	95.1	8.3	91.0	71.8	51.6	31.4	—	—
	67	100.1	7.7	96.7	88.2	77.4	56.7	36.1	—	93.5	8.3	91.4	82.9	73.9	53.2	32.5	—
	62	99.2	7.7	97.0	97.0	97.0	78.4	57.2	35.9	92.7	8.3	91.7	91.7	91.7	75.0	53.8	32.6
	57	98.3	7.7	98.2	98.2	98.2	98.2	78.2	56.3	91.9	8.3	91.9	91.9	91.9	91.9	75.1	53.4
4250	72	104.7	7.7	101.3	79.3	57.4	35.4	—	—	98.1	8.3	94.1	76.2	53.9	31.7	—	—
	67	103.7	7.7	102.0	92.4	82.3	59.5	36.7	—	97.1	8.3	94.7	86.7	78.6	55.8	33.0	—
	62	103.1	7.7	102.1	102.1	102.1	83.6	60.0	36.5	96.4	8.3	95.4	95.4	95.4	79.9	56.5	33.1
	57	102.5	7.7	102.5	102.5	102.5	102.5	83.3	59.0	95.8	8.3	95.8	95.8	95.8	95.8	80.0	56.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 57: ZL12 (10 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	77	153.2	7.2	76.1	64.3	52.4	—	—	—	145.4	7.6	74.7	62.6	50.5	—	—	—
	72	139.3	7.1	93.0	79.6	66.1	52.7	—	—	133.8	7.5	92.5	78.4	64.3	50.2	—	—
	67	125.4	7.0	109.8	94.8	79.9	65.4	52.2	—	122.2	7.4	110.2	94.1	78.0	63.5	49.5	—
	62	117.3	7.0	117.3	105.8	93.6	75.2	65.2	51.0	117.7	7.4	116.9	104.3	91.7	75.3	63.0	48.6
3000	77	155.1	7.2	85.6	68.9	52.2	—	—	—	146.7	7.6	84.1	67.0	50.0	—	—	—
	72	143.1	7.1	101.6	85.5	69.3	53.2	—	—	136.8	7.5	100.4	83.8	67.2	50.6	—	—
	67	131.1	7.0	117.6	102.0	86.5	69.5	53.4	—	126.9	7.4	116.7	100.6	84.4	67.3	50.7	—
	62	124.4	7.0	119.1	113.8	103.6	83.3	69.8	52.9	123.2	7.4	119.2	111.8	101.6	82.8	67.4	50.2
	57	119.6	7.0	119.6	119.6	119.6	103.5	86.1	68.8	119.4	7.4	119.4	119.4	118.8	101.4	84.0	66.6
3500	77	157.0	7.2	95.1	73.5	52.0	—	—	—	148.0	7.7	93.4	71.4	49.5	—	—	—
	72	146.9	7.1	110.2	91.4	72.5	53.7	—	—	139.8	7.6	108.3	89.2	70.2	51.1	—	—
	67	136.7	7.0	125.3	109.2	93.1	73.5	54.6	—	131.7	7.5	123.3	107.1	90.9	71.2	51.9	—
	62	131.4	7.0	126.0	121.9	113.6	91.5	74.4	54.8	128.7	7.5	125.2	119.3	111.5	90.4	71.7	51.8
	57	126.2	7.0	126.2	126.2	126.2	114.2	94.2	74.2	125.7	7.5	125.7	125.7	125.7	111.9	91.6	71.3
4000	77	158.9	7.2	104.6	78.2	51.8	—	—	—	149.3	7.7	102.7	75.8	48.9	—	—	—
	72	150.6	7.1	118.8	97.3	75.7	54.2	—	—	142.9	7.6	116.3	94.7	73.1	51.5	—	—
	67	142.3	7.0	133.0	116.4	99.7	77.5	55.8	—	136.4	7.5	129.8	113.6	97.3	75.0	53.0	—
	62	138.5	7.0	134.2	129.9	123.6	99.6	79.0	56.7	134.1	7.5	131.8	126.7	121.5	97.9	76.1	53.4
	57	134.7	7.0	134.7	134.7	134.7	124.9	102.2	79.5	131.9	7.5	131.9	131.9	131.9	122.4	99.1	75.9
4500	72	154.4	7.1	127.4	103.2	78.9	54.7	—	—	145.9	7.6	124.2	100.1	76.1	52.0	—	—
	67	148.0	7.1	140.8	123.5	106.3	81.5	57.0	—	141.1	7.5	136.4	120.0	103.7	78.9	54.2	—
	62	145.6	7.1	142.3	138.0	133.6	107.8	83.6	58.6	139.6	7.5	137.1	134.2	131.4	105.5	80.4	55.0
	57	143.2	7.1	143.2	143.2	143.2	135.6	110.2	84.8	138.1	7.5	138.0	138.0	138.0	132.9	106.7	80.5
5000	72	158.2	7.2	136.0	109.1	82.1	55.2	—	—	148.9	7.6	132.1	105.6	79.0	52.5	—	—
	67	153.6	7.1	148.5	130.7	112.9	85.5	58.2	—	145.8	7.5	142.9	126.5	110.1	82.7	55.4	—
	62	152.6	7.1	149.6	146.0	143.6	115.9	88.2	60.5	145.1	7.5	143.0	141.7	141.3	113.0	84.8	56.6
	57	151.6	7.1	150.2	150.2	150.2	146.3	118.2	90.1	144.3	7.5	143.2	143.2	143.2	143.2	114.2	85.2
		95°F								105°F							
2500	77	137.5	8.1	73.3	61.0	48.7	—	—	—	128.1	8.7	71.4	58.4	45.5	—	—	—
	72	128.3	8.0	92.0	77.2	62.4	47.6	—	—	119.3	8.6	87.8	73.2	58.6	44.1	—	—
	67	119.0	7.9	110.6	93.4	76.1	61.5	46.8	—	110.5	8.5	104.2	88.0	71.8	57.5	43.2	—
	62	118.1	7.9	115.9	102.9	89.8	75.3	60.8	46.3	110.2	8.5	107.4	96.2	85.0	71.0	56.9	42.9
3000	77	138.3	8.1	82.5	65.2	47.8	—	—	—	128.9	8.7	80.4	62.2	44.1	—	—	—
	72	130.5	8.0	99.2	82.2	65.1	48.0	—	—	121.7	8.6	94.7	77.9	61.1	44.2	—	—
	67	122.8	7.9	115.9	99.2	82.4	65.2	48.0	—	114.4	8.5	109.0	93.5	78.0	61.1	44.2	—
	62	122.0	7.9	119.9	109.8	99.7	82.3	64.9	47.6	114.1	8.5	111.4	103.2	95.0	78.0	61.0	44.0
	57	121.1	7.9	121.1	120.4	116.9	99.4	81.9	64.4	113.9	8.5	113.8	112.9	111.9	94.9	77.8	60.7
3500	77	139.0	8.1	91.6	69.3	47.0	—	—	—	129.7	8.7	89.3	66.1	42.8	—	—	—
	72	132.8	8.0	106.5	87.1	67.8	48.5	—	—	124.0	8.6	101.6	82.5	63.5	44.4	—	—
	67	126.6	7.9	121.3	105.0	88.6	68.9	49.1	—	118.3	8.5	113.9	99.0	84.2	64.7	45.2	—
	62	125.9	7.9	123.9	116.7	109.5	89.3	69.0	48.8	118.1	8.5	115.4	110.2	104.9	85.0	65.1	45.2
	57	125.1	7.9	125.1	125.1	125.1	109.7	89.0	68.4	117.8	8.5	117.0	117.0	117.0	105.3	85.0	64.6
4000	77	139.7	8.1	100.8	73.5	46.1	—	—	—	130.5	8.7	98.3	69.9	41.4	—	—	—
	72	135.1	8.0	113.7	92.1	70.5	48.9	—	—	126.4	8.6	108.5	87.2	65.9	44.6	—	—
	67	130.5	7.9	126.6	110.8	94.9	72.6	50.2	—	122.2	8.6	118.7	104.6	90.4	68.3	46.2	—
	62	129.8	7.9	127.9	123.6	119.3	96.2	73.2	50.1	122.0	8.6	119.4	117.2	114.9	92.0	69.2	46.3
	57	129.1	7.9	129.1	129.1	129.1	119.9	96.1	72.3	121.8	8.5	120.2	120.2	120.2	115.8	92.1	68.4
4500	72	137.4	8.0	121.0	97.1	73.2	49.3	—	—	128.7	8.6	115.4	91.9	68.3	44.8	—	—
	67	134.3	7.9	131.9	116.5	101.2	76.3	51.4	—	126.1	8.6	123.5	110.1	96.6	71.9	47.2	—
	62	133.7	7.9	131.9	130.5	129.1	103.2	77.3	51.4	125.9	8.6	124.7	124.2	124.7	99.1	73.2	47.4
	57	133.0	7.9	131.9	131.9	131.9	130.1	103.2	76.2	125.7	8.6	125.3	125.3	125.3	125.3	99.2	72.3
5000	72	139.6	8.0	128.2	102.1	75.9	49.8	—	—	131.1	8.6	122.3	96.5	70.8	45.0	—	—
	67	138.1	8.0	136.0	122.3	107.4	80.0	52.5	—	130.0	8.6	127.6	115.6	102.8	75.5	48.2	—
	62	137.6	8.0	136.4	136.4	136.4	110.1	81.4	52.6	129.8	8.6	128.4	128.4	128.4	106.1	77.3	48.6
	57	137.0	8.0	136.9	136.9	136.9	136.9	110.3	80.2	129.7	8.6	129.5	129.5	129.5	129.5	106.4	76.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 58: ZL12 (10 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
2500	77	118.7	9.3	69.5	55.8	42.2	—	—	—	109.2	9.8	67.5	53.3	39.0	—	—	—
	72	110.3	9.2	83.6	69.3	54.9	40.5	—	—	101.4	9.8	79.5	65.3	51.1	37.0	—	—
	67	102.6	9.1	97.8	82.7	67.6	53.6	39.6	—	94.5	9.7	91.4	77.3	63.3	49.6	36.0	—
	62	102.3	9.1	99.0	89.6	80.2	66.6	53.1	39.5	93.5	9.7	91.9	83.0	75.4	62.3	49.2	36.1
3000	77	119.5	9.3	78.3	59.3	40.4	—	—	—	110.2	9.8	76.1	56.4	36.7	—	—	—
	72	112.8	9.2	90.2	73.6	57.0	40.5	—	—	103.9	9.8	85.7	69.3	53.0	36.7	—	—
	67	107.2	9.1	102.1	87.9	73.7	57.1	40.5	—	99.3	9.8	95.2	82.3	69.3	53.0	36.7	—
	62	106.8	9.1	103.0	96.6	90.3	73.7	57.1	40.5	99.0	9.8	95.6	90.1	85.6	69.4	53.2	36.9
	57	106.6	9.1	103.8	103.8	103.8	90.3	73.7	57.1	98.8	9.8	95.9	95.9	95.9	85.8	69.6	53.4
3500	77	120.4	9.3	87.1	62.8	38.5	—	—	—	111.1	9.9	84.8	59.5	34.3	—	—	—
	72	115.2	9.2	96.8	78.0	59.2	40.4	—	—	106.4	9.8	91.9	73.4	54.9	36.3	—	—
	67	110.5	9.2	106.5	93.1	79.8	60.6	41.4	—	103.9	9.8	99.9	87.2	75.4	56.4	37.5	—
	62	110.3	9.2	107.0	103.7	100.4	80.8	61.1	41.5	103.5	9.8	100.5	97.2	95.9	76.5	57.2	37.8
	57	110.0	9.1	107.5	107.5	107.5	101.0	80.9	60.8	103.3	9.8	101.2	101.2	101.2	96.6	76.9	57.1
4000	77	121.3	9.3	95.8	66.3	36.7	—	—	—	112.0	9.9	93.4	62.7	32.0	—	—	—
	72	117.6	9.2	103.3	82.3	61.3	40.3	—	—	108.9	9.9	98.1	77.4	56.7	36.0	—	—
	67	115.0	9.2	110.8	98.4	85.9	64.1	42.2	—	108.2	9.8	102.9	92.2	81.4	59.8	38.3	—
	62	114.7	9.2	111.0	110.8	110.5	87.9	65.2	42.5	107.6	9.8	103.3	103.3	103.3	83.7	61.2	38.7
	57	114.5	9.2	111.2	111.2	111.2	111.2	88.1	64.6	107.2	9.8	104.2	104.2	104.2	104.2	84.1	60.7
4500	72	120.0	9.3	109.9	86.7	63.5	40.2	—	—	113.4	9.9	104.3	81.5	58.6	35.7	—	—
	67	118.6	9.2	115.1	103.6	92.0	67.6	43.1	—	111.7	9.9	106.7	97.1	87.5	63.3	39.0	—
	62	118.5	9.2	115.5	115.5	115.5	94.9	69.2	43.5	111.4	9.9	107.5	107.5	107.5	90.8	65.2	39.6
	57	118.2	9.2	116.2	116.2	116.2	116.2	95.3	68.3	111.1	9.8	108.2	108.2	108.2	108.2	91.4	64.4
5000	72	123.1	9.3	116.4	91.0	65.6	40.2	—	—	115.9	9.9	110.6	85.5	60.4	35.4	—	—
	67	122.3	9.3	118.5	108.8	98.2	71.1	44.0	—	115.6	9.9	112.7	102.0	93.6	66.7	39.8	—
	62	122.1	9.3	119.0	119.0	119.0	102.0	73.3	44.5	115.4	9.9	113.1	113.1	113.1	97.9	69.2	40.5
	57	121.9	9.2	119.5	119.5	119.5	119.5	102.5	72.1	115.0	9.9	113.1	113.1	113.1	113.1	98.6	68.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 59: ZL14 (12.5 ton, 75°F to 105°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
3200	77	182.4	8.3	93.6	76.6	59.5	—	—	—	170.5	8.8	88.2	73.1	58.1	—	—	—
	72	166.6	8.2	113.7	96.1	78.4	60.8	—	—	158.2	8.7	111.0	93.4	75.8	58.3	—	—
	67	150.8	8.1	133.8	115.6	97.3	78.2	61.7	—	146.0	8.7	133.7	113.7	93.6	75.5	58.7	—
	62	147.2	8.1	142.3	129.3	116.2	92.1	80.2	62.2	142.1	8.6	137.0	124.2	111.4	91.0	76.7	59.3
3750	77	182.9	8.4	104.3	82.5	60.7	—	—	—	171.2	8.8	99.3	78.5	57.8	—	—	—
	72	169.8	8.2	122.6	102.5	82.4	62.3	—	—	161.1	8.8	119.3	99.2	79.1	59.0	—	—
	67	156.7	8.1	140.9	122.5	104.1	82.7	63.3	—	151.1	8.7	139.4	119.9	100.3	79.6	59.8	—
	62	153.8	8.1	147.7	136.7	125.8	100.2	84.4	63.7	148.3	8.7	141.9	131.7	121.6	98.7	80.7	60.3
	57	150.9	8.1	150.9	150.9	147.5	126.5	105.5	84.5	145.5	8.7	144.4	143.6	142.8	122.2	101.7	81.1
4300	77	183.4	8.4	115.0	88.5	61.9	—	—	—	171.9	8.8	110.3	84.0	57.6	—	—	—
	72	173.0	8.3	131.5	108.9	86.4	63.9	—	—	164.1	8.8	127.7	105.0	82.3	59.7	—	—
	67	162.6	8.2	147.9	129.4	110.9	87.2	65.0	—	156.2	8.7	145.1	126.1	107.1	83.6	60.9	—
	62	160.4	8.1	153.0	144.2	135.4	108.3	88.6	65.2	154.5	8.7	146.7	139.3	131.8	106.4	84.8	61.3
	57	158.3	8.1	158.1	158.1	156.6	136.1	112.3	88.5	152.9	8.7	148.4	148.4	148.4	132.6	108.7	84.8
4900	77	183.9	8.4	125.7	94.4	63.1	—	—	—	172.7	8.9	121.3	89.4	57.4	—	—	—
	72	176.2	8.3	140.3	115.4	90.4	65.4	—	—	167.0	8.8	136.0	110.8	85.6	60.4	—	—
	67	168.4	8.2	154.9	136.3	117.7	91.6	66.6	—	161.3	8.8	150.7	132.3	113.8	87.6	62.0	—
	62	167.1	8.2	158.4	151.7	144.9	116.4	92.8	66.7	160.7	8.7	151.6	146.8	142.0	114.2	88.8	62.3
	57	165.7	8.2	161.8	161.8	161.8	145.6	119.0	92.4	160.2	8.7	152.5	152.5	152.5	142.9	115.7	88.4
5400	72	179.3	8.3	149.2	121.8	94.4	66.9	—	—	169.9	8.8	144.4	116.6	88.8	61.1	—	—
	67	174.3	8.2	162.0	143.2	124.4	96.1	68.3	—	167.7	8.8	156.4	138.5	120.5	91.7	63.1	—
	62	173.7	8.2	163.8	159.1	154.5	124.5	97.0	68.3	167.0	8.8	156.5	154.3	152.2	121.9	92.9	63.2
	57	173.1	8.2	165.5	165.5	165.5	155.2	125.7	96.3	166.8	8.8	156.6	156.6	156.6	153.3	122.7	92.1
6000	72	182.5	8.3	158.1	128.2	98.4	68.5	—	—	172.8	8.9	152.8	122.4	92.1	61.7	—	—
	67	180.4	8.3	169.0	150.1	131.2	100.6	69.9	—	172.1	8.8	162.1	144.7	127.2	95.7	64.2	—
	62	180.3	8.3	169.1	166.6	164.1	132.6	101.2	69.8	171.9	8.8	162.3	162.3	162.3	129.7	96.9	64.2
	57	180.1	8.3	169.3	169.3	169.3	164.7	132.5	100.3	171.7	8.8	162.4	162.4	162.4	162.4	129.7	95.8
		95°F								105°F							
3200	77	158.5	9.3	82.8	69.7	56.6	—	—	—	146.5	9.9	83.7	68.1	52.6	—	—	—
	72	149.8	9.2	108.2	90.7	73.3	55.8	—	—	139.4	9.9	104.5	87.1	69.6	52.1	—	—
	67	141.1	9.2	133.6	111.7	89.9	72.8	55.7	—	132.4	9.9	125.4	106.0	86.6	69.2	51.8	—
	62	137.0	9.2	134.4	119.1	106.5	89.8	73.1	56.4	129.7	9.9	126.5	113.9	103.7	86.3	69.0	51.6
3750	77	159.5	9.3	94.2	74.6	55.0	—	—	—	147.8	10.0	93.9	72.2	50.6	—	—	—
	72	152.5	9.3	116.0	95.9	75.769	55.6	—	—	142.1	10.0	111.6	91.6	71.6	51.5	—	—
	67	145.4	9.3	137.2	117.2	96.6	76.4	56.3	—	136.4	9.9	129.3	110.9	92.6	72.3	52.1	—
	62	142.8	9.2	137.8	126.7	117.3	97.2	77.0	56.9	134.7	9.9	129.5	120.8	113.6	93.1	72.7	52.3
	57	140.1	9.2	138.6	136.2	138.1	118.0	97.8	77.6	133.0	9.9	129.6	129.6	129.6	114.0	93.4	72.8
4300	77	160.5	9.3	105.6	79.5	53.3	—	—	—	149.1	10.0	104.2	76.4	48.6	—	—	—
	72	155.1	9.3	123.9	101.1	78.3	55.5	—	—	144.8	10.0	118.7	96.1	73.5	50.9	—	—
	67	149.8	9.3	140.1	122.7	103.2	80.0	56.8	—	140.5	10.0	133.3	115.9	98.5	75.4	52.4	—
	62	148.6	9.3	143.2	134.3	128.2	104.6	80.9	57.3	139.8	10.0	133.4	127.7	123.4	99.9	76.5	53.0
	57	147.4	9.2	145.6	145.6	145.6	129.1	105.1	81.1	139.1	9.9	133.6	133.6	133.6	124.5	100.6	76.7
4900	77	161.4	9.4	117.0	84.3	51.7	—	—	—	150.4	10.0	114.4	80.5	46.6	—	—	—
	72	157.8	9.3	131.7	106.3	80.8	55.3	—	—	147.5	10.0	125.8	100.6	75.5	50.3	—	—
	67	154.5	9.3	145.1	128.2	109.9	83.6	57.4	—	144.8	10.0	136.0	120.8	104.4	78.5	52.7	—
	62	154.4	9.3	147.6	141.9	139.0	111.9	84.9	57.8	144.6	10.0	137.0	134.7	133.3	106.8	80.2	53.7
	57	154.3	9.3	150.5	150.5	150.5	140.2	112.4	84.5	144.5	10.0	137.3	137.3	137.3	135.0	107.8	80.6
5400	72	161.1	9.4	139.6	111.4	83.3	55.2	—	—	150.2	10.0	132.9	105.2	77.4	49.7	—	—
	67	160.5	9.4	150.2	133.7	116.6	87.2	57.9	—	149.8	10.0	140.0	125.7	110.3	81.6	53.0	—
	62	160.2	9.3	150.6	149.5	149.8	119.3	88.8	58.2	149.7	10.0	141.1	141.1	141.1	113.6	84.0	54.4
	57	160.1	9.3	150.9	150.9	150.9	150.9	119.6	87.9	149.3	10.0	141.2	141.2	141.2	141.2	115.0	84.5
6000	72	168.2	9.4	147.4	116.6	85.8	55.0	—	—	154.8	10.0	140.0	109.7	79.4	49.1	—	—
	67	166.5	9.4	153.4	139.2	123.2	90.8	58.4	—	153.8	10.0	142.3	130.6	116.2	84.7	53.2	—
	62	166.0	9.4	155.2	155.2	155.2	126.7	92.7	58.7	153.5	10.0	144.0	144.0	144.0	120.4	87.7	55.1
	57	165.5	9.3	156.5	156.5	156.5	156.5	126.9	91.3	153.3	10.0	144.2	144.2	144.2	144.2	122.2	88.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 60: ZL14 (12.5 ton, 115°F to 125°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input (kW)[2]	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		115°F								125°F							
3200	77	134.4	10.6	84.5	66.5	48.5	—	—	—	122.4	11.3	85.4	64.9	44.4	—	—	—
	72	129.0	10.6	100.9	83.4	65.9	48.5	—	—	118.7	11.3	97.3	79.8	62.3	44.8	—	—
	67	123.6	10.6	117.3	100.3	83.4	65.7	47.9	—	115.3	11.3	109.1	94.6	80.2	62.1	44.0	—
	62	122.4	10.6	117.4	108.6	100.9	82.9	64.8	46.8	115.1	11.3	109.2	103.4	98.1	79.4	60.7	42.0
3750	77	136.1	10.7	93.7	69.9	46.1	—	—	—	124.4	11.3	93.4	67.5	41.7	—	—	—
	72	131.8	10.6	107.2	87.3	67.3	47.4	—	—	121.4	11.3	102.8	83.0	63.1	43.3	—	—
	67	127.4	10.6	119.8	104.7	88.6	68.3	47.9	—	118.4	11.3	112.3	98.4	84.6	64.2	43.8	—
	62	126.7	10.6	120.0	114.9	109.8	89.1	68.4	47.8	118.2	11.3	112.5	109.0	106.0	85.1	64.1	43.2
	57	125.9	10.6	120.9	120.9	120.9	110.0	88.9	67.9	118.1	11.3	112.6	112.6	112.6	105.9	84.5	63.0
4300	77	137.7	10.7	102.8	73.3	43.8	—	—	—	126.4	11.3	101.4	70.2	39.0	—	—	—
	72	134.5	10.6	113.6	91.2	68.8	46.3	—	—	124.2	11.3	108.4	86.2	64.0	41.8	—	—
	67	131.2	10.6	123.6	109.0	93.7	70.8	48.0	—	122.4	11.3	115.4	102.2	89.0	66.3	43.6	—
	62	131.0	10.6	124.4	121.2	118.7	95.3	72.0	48.7	122.2	11.3	115.6	114.6	113.9	90.7	67.5	44.3
	57	130.7	10.6	124.6	124.6	124.6	119.8	96.0	72.2	121.9	11.3	115.9	115.9	115.9	115.2	91.5	67.8
4900	77	139.4	10.7	111.9	76.7	41.4	—	—	—	128.3	11.3	109.3	72.8	36.3	—	—	—
	72	137.2	10.7	119.9	95.0	70.2	45.3	—	—	126.9	11.3	114.0	89.4	64.8	40.3	—	—
	67	135.4	10.6	127.2	113.4	98.9	73.4	48.0	—	125.9	11.3	118.3	106.0	93.4	68.3	43.3	—
	62	135.3	10.6	127.4	127.4	127.4	101.6	75.6	49.6	125.7	11.3	118.4	118.4	118.4	96.4	71.0	45.5
	57	135.1	10.6	127.5	127.5	127.5	127.5	103.2	76.6	125.5	11.3	118.6	118.6	118.6	118.6	98.6	72.7
5400	72	139.9	10.7	126.2	98.9	71.6	44.2	—	—	129.6	11.3	119.5	92.6	65.7	38.8	—	—
	67	138.8	10.7	130.8	117.7	104.0	76.0	48.0	—	129.4	11.3	121.7	109.8	97.7	70.4	43.1	—
	62	138.5	10.7	131.1	131.1	131.1	107.8	79.2	50.5	129.2	11.3	121.9	121.9	121.9	102.1	74.4	46.7
	57	138.4	10.7	131.3	131.3	131.3	131.3	110.3	81.0	129.1	11.3	122.0	122.0	122.0	122.0	105.6	77.5
6000	72	145.1	10.7	132.6	102.8	73.0	43.2	—	—	132.9	11.3	125.1	95.8	66.5	37.3	—	—
	67	144.2	10.7	135.0	122.1	109.2	78.6	48.1	—	132.7	11.3	125.3	113.6	102.1	72.5	42.9	—
	62	143.8	10.7	135.8	135.8	135.8	114.1	82.8	51.4	132.5	11.3	125.4	125.4	125.4	107.8	77.8	47.8
	57	143.5	10.7	136.0	136.0	136.0	136.0	117.4	85.4	132.2	11.3	125.5	125.5	125.5	125.5	112.7	82.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Reheat performance

ZY04 to 12 reheat capacities

Table 61: ZY04 reheat capacity (3 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2](kW)	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
750	72	26.1	2.0	8.6	7.4	6.1	4.9	—	—	26.0	2.1	6.1	5.1	4.1	3.1	—	—
	67	24.8	1.9	12.3	11.0	9.8	8.5	7.3	—	23.5	1.9	10.1	9.1	8.1	7.1	6.1	—
	62	22.9	1.8	17.1	15.8	14.6	13.4	12.1	10.9	20.1	1.9	14.3	13.3	12.3	11.3	10.2	9.2
900	77	26.8	2.1	5.4	4.2	2.9	—	—	—	28.3	2.2	2.3	1.2	0.1	—	—	—
	72	25.6	2.0	9.2	7.9	6.7	5.4	—	—	25.9	2.0	6.8	5.6	4.5	3.4	—	—
	67	24.4	1.8	13.0	11.7	10.4	9.1	7.9	—	23.4	1.9	11.2	10.1	8.9	7.8	6.6	—
	62	22.6	1.7	18.1	16.8	15.5	14.3	13.0	11.7	20.0	1.8	15.8	14.7	13.5	12.4	11.2	10.1
	57	20.1	1.7	19.4	18.1	16.8	15.6	14.3	13.0	17.7	1.8	16.9	15.7	14.6	13.5	12.3	11.2
1050	77	26.3	2.1	5.9	4.6	3.3	—	—	—	28.2	2.1	2.6	1.3	0.1	—	—	—
	72	25.1	1.9	9.8	8.5	7.2	5.9	—	—	25.8	2.0	7.4	6.2	4.9	3.6	—	—
	67	24.0	1.8	13.7	12.4	11.1	9.8	8.4	—	23.4	1.9	12.3	11.0	9.7	8.5	7.2	—
	62	22.2	1.7	19.1	17.8	16.5	15.2	13.9	12.6	20.0	1.8	17.3	16.0	14.8	13.5	12.3	11.0
	57	19.8	1.7	19.4	18.8	17.9	16.6	15.3	13.9	17.6	1.7	17.2	16.7	15.9	14.7	13.4	12.2
1200	77	25.7	2.0	6.3	5.0	3.7	—	—	—	28.0	2.1	2.8	1.5	0.1	—	—	—
	72	24.6	1.9	10.4	9.0	7.7	6.3	—	—	25.6	1.9	8.1	6.7	5.3	3.9	—	—
	67	23.5	1.7	14.4	13.1	11.7	10.4	9.0	—	23.3	1.8	13.3	11.9	10.6	9.2	7.8	—
	62	21.9	1.7	20.1	18.8	17.4	16.1	14.7	13.4	19.9	1.7	18.8	17.4	16.0	14.7	13.3	11.9
	57	19.5	1.6	19.5	19.5	18.9	17.6	16.2	14.9	17.6	1.7	17.6	17.6	17.3	15.9	14.5	13.2
1350	72	24.1	1.8	10.3	9.1	7.9	6.7	—	—	25.6	1.9	8.4	7.0	5.6	4.2	—	—
	67	23.1	1.7	14.2	12.9	11.7	10.5	9.2	—	23.2	1.8	14.0	12.5	11.1	9.7	8.3	—
	62	21.5	1.6	20.6	19.4	17.4	16.1	14.9	13.7	19.8	1.7	19.3	18.3	16.9	15.4	14.0	12.6
	57	19.2	1.6	19.2	19.2	18.9	17.6	16.4	15.2	17.5	1.7	17.5	17.5	17.4	16.0	14.5	13.1
1500	72	23.6	1.8	10.3	9.2	8.1	7.0	—	—	25.5	1.9	8.8	7.3	5.9	4.4	—	—
	67	22.7	1.7	13.9	12.8	11.7	10.6	9.4	—	23.1	1.8	14.6	13.1	11.7	10.2	8.7	—
	62	21.2	1.6	21.2	19.9	17.3	16.2	15.1	14.0	19.7	1.7	19.7	19.1	17.7	16.2	14.7	13.3
	57	18.9	1.6	18.9	18.9	18.9	17.7	16.6	15.5	17.5	1.7	17.5	17.5	17.5	16.0	14.5	13.1
55°F										65°F							
750	72	25.8	2.2	3.6	2.8	2.0	1.2	—	—	23.2	2.2	1.6	1.0	0.4	—	—	—
	67	22.2	2.0	8.0	7.2	6.4	5.6	4.8	—	19.7	2.1	5.7	5.1	4.6	4.0	3.5	—
	62	17.3	1.9	11.6	10.8	10.0	9.2	8.4	7.6	15.1	2.0	9.2	8.7	8.1	7.6	7.0	6.4
900	72	26.1	2.1	4.3	3.3	2.3	1.3	—	—	23.4	2.2	1.9	1.2	0.5	—	—	—
	67	22.5	2.0	9.4	8.4	7.4	6.4	5.4	—	19.9	2.1	6.9	6.1	5.4	4.7	4.0	—
	62	17.5	1.9	13.5	12.5	11.5	10.5	9.5	8.5	15.2	2.0	11.1	10.4	9.6	8.9	8.2	7.5
	57	15.3	1.8	14.3	13.3	12.3	11.3	10.3	9.3	13.1	1.9	11.5	10.8	10.1	9.4	8.7	7.9
1050	72	26.4	2.1	5.1	3.9	2.7	1.4	—	—	23.6	2.1	2.3	1.4	0.5	—	—	—
	67	22.7	1.9	10.8	9.6	8.4	7.2	6.0	—	20.1	2.0	8.0	7.1	6.2	5.4	4.5	—
	62	17.7	1.8	15.5	14.3	13.1	11.9	10.7	9.5	15.3	1.9	13.0	12.1	11.2	10.3	9.4	8.5
	57	15.5	1.8	15.0	14.5	14.0	12.8	11.6	10.4	13.2	1.9	12.4	12.1	11.7	10.8	9.9	9.0
1200	72	26.7	2.0	5.8	4.4	3.0	1.6	—	—	23.8	2.1	2.6	1.6	0.5	—	—	—
	67	23.0	1.9	12.2	10.8	9.4	8.0	6.6	—	20.2	2.0	9.2	8.1	7.1	6.0	5.0	—
	62	17.9	1.8	17.4	16.0	14.6	13.2	11.8	10.4	15.4	1.9	14.8	13.8	12.7	11.7	10.6	9.6
	57	15.7	1.8	15.7	15.7	15.7	14.3	12.8	11.4	13.3	1.9	13.3	13.3	13.3	12.2	11.2	10.1
1350	72	27.0	2.0	6.5	4.9	3.3	1.7	—	—	23.8	2.1	3.0	1.8	0.6	—	—	—
	67	23.3	1.9	13.7	12.1	10.5	8.9	7.3	—	20.2	2.0	10.3	9.1	7.9	6.7	5.5	—
	62	18.1	1.8	17.9	17.2	16.3	14.7	13.1	11.5	15.4	1.9	15.1	14.6	14.0	12.8	11.6	10.4
	57	15.9	1.7	15.9	15.9	15.9	14.3	12.6	11.0	13.3	1.8	13.3	13.3	13.3	12.1	10.9	9.7
1500	72	27.3	2.0	7.3	5.5	3.7	1.8	—	—	23.7	2.1	3.3	2.0	0.6	—	—	—
	67	23.6	1.9	15.2	13.4	11.6	9.8	8.0	—	20.2	1.9	11.4	10.1	8.7	7.4	6.0	—
	62	18.3	1.8	18.3	18.3	18.0	16.2	14.4	12.6	15.4	1.8	15.4	15.4	15.3	13.9	12.6	11.2
	57	16.1	1.7	16.1	16.1	16.1	14.2	12.4	10.6	13.3	1.8	13.3	13.3	13.3	11.9	10.6	9.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 62: ZY04 reheat capacity (3 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
				Sensible capacity (MBh)								Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)	Total capacity[1] (MBh)	Total input[2] (kW)	90	85	80	75	70	65	Total capacity[1](MBh)	Total input[2](kW)	90	85	80	75	70	65
75°F										85°F							
750	72	20.7	2.3	—	—	—	—	—	—	18.1	2.3	—	—	—	—	—	—
	67	17.2	2.2	3.4	3.0	2.7	2.4	2.1	—	14.8	2.2	1.0	1.0	0.9	0.8	0.8	—
	62	12.8	2.1	6.9	6.6	6.3	5.9	5.6	5.3	10.6	2.2	4.5	4.5	4.4	4.3	4.3	4.2
900	67	17.3	2.1	4.3	3.8	3.4	3.0	2.5	—	14.7	2.2	1.7	1.6	1.4	1.2	1.1	—
	62	12.9	2.0	8.6	8.2	7.8	7.3	6.9	6.5	10.6	2.1	6.2	6.1	5.9	5.7	5.6	5.4
	57	10.8	2.0	8.7	8.3	7.9	7.4	7.0	6.5	8.6	2.1	5.9	5.8	5.6	5.5	5.3	5.1
1050	67	17.4	2.1	5.2	4.6	4.1	3.5	2.9	—	14.7	2.2	2.4	2.1	1.9	1.7	1.4	—
	62	12.9	2.0	10.4	9.9	9.3	8.7	8.2	7.6	10.5	2.1	7.9	7.7	7.4	7.2	6.9	6.7
	57	10.9	2.0	9.8	9.6	9.4	8.8	8.3	7.7	8.6	2.1	7.2	7.2	7.1	6.8	6.6	6.4
1200	67	17.4	2.1	6.1	5.4	4.7	4.0	3.4	—	14.7	2.1	3.1	2.7	2.4	2.1	1.7	—
	62	13.0	2.0	12.2	11.5	10.8	10.1	9.4	8.7	10.5	2.1	9.6	9.2	8.9	8.6	8.2	7.9
	57	10.9	2.0	10.9	10.9	10.9	10.2	9.5	8.9	8.6	2.0	8.6	8.6	8.6	8.2	7.9	7.6
1350	67	17.1	2.0	6.9	6.1	5.3	4.5	3.7	—	14.0	2.1	3.4	3.0	2.7	2.3	1.9	—
	62	12.7	2.0	12.4	12.0	11.7	10.9	10.1	9.3	10.1	2.0	9.6	9.4	9.3	8.9	8.6	8.2
	57	10.7	1.9	10.7	10.7	10.7	9.9	9.2	8.4	8.2	2.0	8.2	8.2	8.2	7.8	7.4	7.0
1500	67	16.8	2.0	7.6	6.7	5.8	5.0	4.1	—	13.4	2.1	3.8	3.4	2.9	2.5	2.1	—
	62	12.5	1.9	12.5	12.5	12.5	11.6	10.7	9.8	9.6	2.0	9.6	9.6	9.6	9.3	8.9	8.5
	57	10.5	1.9	10.5	10.5	10.5	9.6	8.8	7.9	7.8	2.0	7.8	7.8	7.8	7.3	6.9	6.5

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 63: ZY05 reheat capacity (4 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
1000	77	44.6	2.5	11.3	8.9	6.6	—	—	—	41.5	2.8	6.5	4.6	2.6	—	—	—
	72	41.5	2.5	17.3	15.0	12.6	10.3	—	—	38.3	2.7	12.7	10.8	8.8	6.9	—	—
	67	38.5	2.4	23.4	21.1	18.7	16.4	14.0	—	35.0	2.6	19.0	17.0	15.1	13.1	11.2	—
	62	33.7	2.4	30.5	27.5	25.1	22.8	20.4	18.1	29.8	2.5	25.4	22.9	21.0	19.0	17.1	15.1
1200	77	42.4	2.5	11.8	9.4	7.1	—	—	—	41.0	2.7	7.0	4.9	2.8	—	—	—
	72	39.5	2.4	17.7	15.4	13.0	10.7	—	—	37.7	2.6	13.6	11.5	9.4	7.3	—	—
	67	36.7	2.4	23.7	21.3	19.0	16.7	14.3	—	34.5	2.5	20.2	18.1	16.0	13.9	11.8	—
	62	32.2	2.4	30.1	27.7	25.4	23.1	20.7	18.4	29.4	2.5	26.4	24.3	22.2	20.1	18.0	15.9
	57	31.5	2.4	31.5	30.3	28.0	25.7	23.3	21.0	27.9	2.5	27.9	26.4	24.3	22.2	20.1	18.0
1400	77	40.2	2.4	12.2	9.9	7.6	—	—	—	40.4	2.7	7.4	5.2	2.9	—	—	—
	72	37.5	2.4	18.1	15.8	13.4	11.1	—	—	37.2	2.6	14.4	12.2	9.9	7.7	—	—
	67	34.8	2.3	23.9	21.6	19.3	16.9	14.6	—	34.0	2.5	21.5	19.2	16.9	14.7	12.4	—
	62	30.7	2.3	29.6	28.0	25.7	23.3	21.0	18.7	29.0	2.4	27.5	25.8	23.5	21.3	19.0	16.8
	57	30.1	2.4	30.1	29.5	28.3	26.0	23.7	21.3	27.5	2.4	27.5	26.7	25.7	23.4	21.2	18.9
1600	77	38.0	2.4	12.7	10.4	8.1	—	—	—	39.8	2.6	7.9	5.5	3.1	—	—	—
	72	35.5	2.3	18.5	16.1	13.8	11.5	—	—	36.7	2.5	15.3	12.9	10.5	8.1	—	—
	67	33.0	2.3	24.2	21.9	19.5	17.2	14.9	—	33.6	2.4	22.7	20.3	17.9	15.5	13.1	—
	62	29.1	2.3	29.1	28.2	25.9	23.6	21.3	19.0	28.6	2.4	28.6	27.2	24.8	22.4	20.0	17.6
	57	28.7	2.3	28.7	28.7	28.7	26.3	24.0	21.7	27.1	2.4	27.1	27.1	27.1	24.7	22.3	19.9
1800	72	34.5	2.4	17.6	15.5	13.5	11.4	—	—	36.6	2.5	15.5	13.1	10.7	8.2	—	—
	67	32.1	2.3	22.7	20.6	18.6	16.5	14.5	—	33.5	2.4	23.0	20.6	18.2	15.7	13.3	—
	62	28.4	2.3	28.4	27.6	24.4	22.4	20.3	18.3	28.5	2.4	28.5	27.7	25.2	22.8	20.4	18.0
	57	28.0	2.3	28.0	28.0	28.0	25.9	23.9	21.8	27.1	2.4	27.1	27.1	27.1	24.6	22.2	19.8
2000	72	33.6	2.4	16.7	14.9	13.1	11.3	—	—	36.6	2.5	15.7	13.3	10.8	8.4	—	—
	67	31.3	2.3	21.2	19.4	17.6	15.8	14.0	—	33.5	2.4	23.4	20.9	18.5	16.0	13.6	—
	62	27.7	2.3	27.7	26.9	23.0	21.2	19.4	17.6	28.5	2.3	28.5	28.1	25.6	23.2	20.8	18.3
	57	27.3	2.3	27.3	27.3	27.3	25.5	23.7	22.0	27.0	2.4	27.0	27.0	27.0	24.6	22.1	19.7
55°F										65°F							
1000	77	38.5	3.1	1.7	0.2	—	—	—	—	37.0	3.2	—	—	—	—	—	—
	72	35.0	2.9	8.2	6.6	5.1	3.5	—	—	32.6	3.1	4.8	3.6	2.4	1.3	—	—
	67	31.5	2.8	14.6	13.0	11.5	9.9	8.4	—	28.2	2.9	11.2	10.0	8.9	7.7	6.5	—
	62	25.9	2.7	20.2	18.3	16.8	15.2	13.7	12.1	23.1	2.8	17.3	15.9	14.7	13.5	12.3	11.2
1200	77	39.5	3.0	2.2	0.3	—	—	—	—	37.4	3.1	—	—	—	—	—	—
	72	36.0	2.9	9.5	7.6	5.7	3.9	—	—	33.0	3.0	5.6	4.2	2.8	1.4	—	—
	67	32.4	2.7	16.8	14.9	13.0	11.2	9.3	—	28.6	2.9	12.8	11.4	9.9	8.5	7.1	—
	62	26.6	2.6	22.8	21.0	19.1	17.2	15.4	13.5	23.4	2.8	19.3	17.9	16.5	15.1	13.7	12.3
	57	24.3	2.6	24.3	22.4	20.6	18.7	16.8	15.0	21.6	2.7	21.0	19.6	18.2	16.8	15.4	14.0
1400	77	40.6	3.0	2.6	0.4	—	—	—	—	37.9	3.1	—	—	—	—	—	—
	72	36.9	2.8	10.8	8.6	6.4	4.3	—	—	33.4	2.9	6.4	4.8	3.1	1.5	—	—
	67	33.2	2.7	19.0	16.8	14.6	12.4	10.3	—	28.9	2.8	14.3	12.7	11.0	9.4	7.8	—
	62	27.3	2.5	25.4	23.6	21.4	19.2	17.1	14.9	23.7	2.7	21.4	19.9	18.3	16.6	15.0	13.4
	57	24.9	2.5	24.9	24.0	23.1	20.9	18.7	16.5	21.8	2.7	21.6	20.9	20.2	18.5	16.9	15.3
1600	77	41.6	2.9	3.1	0.6	—	—	—	—	38.3	3.0	—	—	—	—	—	—
	72	37.9	2.7	12.1	9.6	7.1	4.7	—	—	33.8	2.9	7.2	5.3	3.5	1.6	—	—
	67	34.1	2.6	21.2	18.7	16.2	13.7	11.2	—	29.3	2.7	15.8	14.0	12.1	10.3	8.4	—
	62	28.0	2.5	28.0	26.2	23.7	21.2	18.7	16.3	24.0	2.6	23.4	21.9	20.0	18.2	16.3	14.5
	57	25.5	2.5	25.5	25.5	25.5	23.1	20.6	18.1	22.1	2.6	22.1	22.1	22.1	20.2	18.4	16.5
1800	72	38.7	2.7	13.4	10.6	7.8	5.0	—	—	34.0	2.8	7.8	5.8	3.8	1.8	—	—
	67	34.9	2.6	23.4	20.6	17.8	15.0	12.2	—	29.5	2.7	17.1	15.0	13.0	11.0	9.0	—
	62	28.7	2.4	28.7	27.8	26.0	23.2	20.4	17.7	24.2	2.6	23.9	22.9	21.4	19.4	17.4	15.4
	57	26.1	2.4	26.1	26.1	26.1	23.3	20.5	17.7	22.3	2.6	22.3	22.3	22.3	20.3	18.2	16.2
2000	72	39.6	2.7	14.7	11.6	8.5	5.4	—	—	34.3	2.8	8.5	6.3	4.2	2.0	—	—
	67	35.6	2.5	25.5	22.5	19.4	16.3	13.2	—	29.8	2.7	18.3	16.1	13.9	11.7	9.6	—
	62	29.3	2.4	29.3	29.3	28.3	25.2	22.1	19.0	24.4	2.6	24.4	23.9	22.8	20.6	18.4	16.2
	57	26.7	2.4	26.7	26.7	26.7	23.6	20.5	17.4	22.5	2.6	22.5	22.5	22.5	20.3	18.1	15.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 64: ZY05 reheat capacity (4 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
				Sensible capacity (MBh)								Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)	Total capacity[1] (MBh)	Total input[2] (kW)	90	85	80	75	70	65	Total capacity[1] (MBh)	Total input[2] (kW)	90	85	80	75	70	65
75°F										85°F							
1000	72	30.3	3.2	1.5	0.7	—	—	—	—	27.9	3.4	—	—	—	—	—	—
	67	24.9	3.1	7.9	7.1	6.2	5.4	4.6	—	21.6	3.3	4.6	4.1	3.6	3.2	2.7	—
	62	20.3	3.0	14.3	13.5	12.7	11.8	11.0	10.2	17.5	3.2	11.4	11.1	10.6	10.1	9.7	9.2
1200	72	30.1	3.2	1.7	0.8	—	—	—	—	27.1	3.3	—	—	—	—	—	—
	67	24.8	3.0	8.8	7.8	6.8	5.9	4.9	—	21.0	3.2	4.7	4.2	3.7	3.2	2.7	—
	62	20.2	2.9	15.8	14.8	13.9	12.9	12.0	11.0	17.0	3.1	12.3	11.8	11.3	10.8	10.3	9.8
	57	18.9	2.9	17.8	16.8	15.8	14.9	13.9	13.0	16.2	3.0	14.5	14.0	13.5	13.0	12.5	12.0
1400	72	29.9	3.1	2.0	0.9	—	—	—	—	26.4	3.2	—	—	—	—	—	—
	67	24.6	3.0	9.6	8.5	7.4	6.4	5.3	—	20.3	3.1	4.9	4.4	3.9	3.3	2.8	—
	62	20.1	2.9	17.3	16.2	15.1	14.0	12.9	11.9	16.4	3.0	13.2	12.5	12.0	11.4	10.9	10.4
	57	18.8	2.8	18.2	17.7	17.3	16.2	15.1	14.0	15.7	3.0	14.9	14.6	14.3	13.8	13.3	12.7
1600	72	29.7	3.0	2.2	1.0	—	—	—	—	25.6	3.2	—	—	—	—	—	—
	67	24.5	2.9	10.5	9.3	8.1	6.8	5.6	—	19.6	3.1	5.1	4.6	4.0	3.4	2.8	—
	62	19.9	2.8	18.8	17.6	16.3	15.1	13.9	12.7	15.9	3.0	14.2	13.2	12.7	12.1	11.5	10.9
	57	18.7	2.8	18.7	18.7	18.7	17.4	16.2	15.0	15.2	2.9	15.2	15.2	15.2	14.6	14.1	13.5
1800	72	29.3	3.0	2.3	1.0	—	—	—	—	24.6	3.1	—	—	—	—	—	—
	67	24.2	2.9	10.8	9.5	8.3	7.0	5.8	—	18.8	3.0	4.5	4.0	3.5	3.1	2.6	—
	62	19.7	2.8	19.1	18.0	16.8	15.6	14.3	13.1	15.2	2.9	14.4	13.2	12.2	11.7	11.3	10.8
	57	18.4	2.7	18.4	18.4	18.4	17.2	16.0	14.7	14.6	2.9	14.6	14.6	14.6	14.1	13.7	13.2
2000	72	29.0	3.0	2.3	1.0	—	—	—	—	23.7	3.1	—	—	—	—	—	—
	67	23.9	2.8	11.0	9.8	8.5	7.2	6.0	—	18.0	3.0	3.8	3.4	3.1	2.7	2.3	—
	62	19.5	2.7	19.5	18.5	17.3	16.0	14.7	13.4	14.6	2.9	14.6	13.2	11.7	11.4	11.0	10.6
	57	18.2	2.7	18.2	18.2	18.2	17.0	15.7	14.4	14.0	2.9	14.0	14.0	14.0	13.6	13.3	12.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 65: ZY06 reheat capacity (5 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
1250	77	40.8	3.0	8.8	6.1	3.3	—	—	—	39.9	3.5	2.8	0.8	—	—	—	—
	72	41.8	3.0	17.3	14.6	11.8	9.1	—	—	38.6	3.4	10.8	8.9	6.9	4.9	—	—
	67	42.8	3.0	25.9	23.1	20.4	17.6	14.9	—	37.3	3.2	18.9	16.9	14.9	13.0	11.0	—
	62	41.2	2.9	37.0	34.3	31.5	28.8	26.0	23.3	34.5	3.1	27.5	25.6	23.6	21.6	19.7	17.7
1500	77	39.9	3.0	9.7	7.0	4.3	—	—	—	40.5	3.4	3.0	0.9	—	—	—	—
	72	41.1	3.0	18.0	15.3	12.7	10.0	—	—	39.2	3.3	11.7	9.6	7.5	5.4	—	—
	67	42.3	3.0	26.3	23.6	21.0	18.3	15.6	—	37.8	3.2	20.5	18.4	16.3	14.2	12.0	—
	62	40.8	2.8	37.6	34.9	32.3	29.6	26.9	24.3	35.0	3.0	30.0	27.8	25.7	23.6	21.5	19.4
	57	36.3	2.7	36.3	36.3	33.9	31.2	28.6	25.9	32.0	2.9	32.0	30.2	28.1	26.0	23.8	21.7
1750	77	39.0	3.0	10.6	8.0	5.4	—	—	—	41.1	3.4	3.2	0.9	—	—	—	—
	72	40.3	2.9	18.6	16.0	13.5	10.9	—	—	39.7	3.2	12.7	10.4	8.1	5.9	—	—
	67	41.7	2.9	26.7	24.1	21.5	19.0	16.4	—	38.3	3.1	22.2	19.9	17.6	15.4	13.1	—
	62	40.4	2.8	38.2	35.6	33.0	30.5	27.9	25.3	35.5	3.0	32.4	30.1	27.9	25.6	23.3	21.1
	57	35.8	2.7	35.8	35.8	34.5	31.9	29.3	26.7	32.4	2.9	32.4	31.5	30.4	28.1	25.9	23.6
2000	77	38.1	2.9	11.4	8.9	6.4	—	—	—	41.7	3.3	3.4	1.0	—	—	—	—
	72	39.6	2.9	19.3	16.8	14.3	11.8	—	—	40.3	3.2	13.6	11.2	8.8	6.3	—	—
	67	41.1	2.9	27.1	24.6	22.1	19.6	17.1	—	38.9	3.1	23.8	21.4	19.0	16.5	14.1	—
	62	39.9	2.8	38.8	36.3	33.8	31.3	28.8	26.3	36.0	2.9	34.8	32.4	30.0	27.6	25.2	22.7
	57	35.4	2.7	35.4	35.4	35.1	32.6	30.1	27.6	32.9	2.8	32.9	32.9	32.7	30.3	27.9	25.5
2250	72	38.7	2.8	19.1	16.8	14.5	12.2	—	—	40.4	3.1	13.9	11.5	9.0	6.6	—	—
	67	40.3	2.8	26.3	24.0	21.7	19.4	17.1	—	39.0	3.0	24.5	22.1	19.6	17.2	14.7	—
	62	39.2	2.7	38.6	35.7	33.0	30.7	28.4	26.1	36.1	2.9	35.5	33.4	31.0	28.5	26.1	23.6
	57	34.7	2.6	34.7	34.7	34.5	32.2	29.9	27.6	33.0	2.8	33.0	33.0	32.9	30.5	28.0	25.6
2500	72	37.7	2.7	18.9	16.8	14.7	12.7	—	—	40.6	3.0	14.3	11.8	9.3	6.9	—	—
	67	39.5	2.7	25.4	23.3	21.2	19.2	17.1	—	39.1	2.9	25.2	22.7	20.2	17.8	15.3	—
	62	38.5	2.6	38.5	35.1	32.2	30.1	28.0	25.9	36.2	2.8	36.2	34.5	32.0	29.5	27.0	24.6
	57	34.0	2.5	34.0	34.0	34.0	31.9	29.8	27.7	33.1	2.7	33.1	33.1	33.1	30.6	28.2	25.7
55°F										65°F							
1250	72	35.4	3.8	4.3	3.1	1.9	0.8	—	—	30.3	4.0	2.0	1.4	0.9	0.4	—	—
	67	31.7	3.5	11.8	10.6	9.5	8.3	7.1	—	26.7	3.8	5.9	5.4	4.9	4.3	3.8	—
	62	27.7	3.3	18.0	16.9	15.7	14.5	13.3	12.1	22.5	3.7	9.2	8.6	8.1	7.6	7.0	6.5
1500	72	37.2	3.6	5.5	3.9	2.4	0.8	—	—	32.3	3.9	2.2	1.3	0.4	—	—	—
	67	33.3	3.4	14.7	13.1	11.6	10.0	8.5	—	28.5	3.6	8.9	8.0	7.1	6.2	5.3	—
	62	29.1	3.2	22.3	20.7	19.2	17.6	16.0	14.5	24.0	3.5	14.3	13.3	12.4	11.5	10.6	9.7
	57	27.7	3.1	25.4	23.8	22.2	20.7	19.1	17.5	23.4	3.4	16.9	15.9	15.0	14.1	13.2	12.3
1750	72	39.1	3.5	6.7	4.7	2.8	0.8	—	—	34.2	3.7	2.5	1.2	—	—	—	—
	67	35.0	3.3	17.6	15.7	13.7	11.7	9.8	—	30.2	3.5	11.9	10.6	9.3	8.0	6.7	—
	62	30.5	3.2	26.6	24.6	22.7	20.7	18.8	16.8	25.4	3.4	19.4	18.1	16.8	15.5	14.2	12.8
	57	29.1	3.1	27.9	27.1	26.3	24.4	22.4	20.5	24.9	3.3	21.6	21.1	20.6	19.3	18.0	16.7
2000	72	40.9	3.4	7.9	5.6	3.2	0.9	—	—	36.2	3.6	2.8	1.1	—	—	—	—
	67	36.6	3.2	20.5	18.2	15.8	13.5	11.1	—	31.9	3.4	14.9	13.3	11.6	9.9	8.2	—
	62	32.0	3.1	30.9	28.5	26.2	23.9	21.5	19.2	26.8	3.2	24.5	22.8	21.1	19.4	17.7	16.0
	57	30.4	3.0	30.4	30.4	30.4	28.0	25.7	23.4	26.3	3.2	26.3	26.3	26.2	24.5	22.8	21.1
2250	72	42.2	3.4	8.8	6.2	3.6	1.0	—	—	36.9	3.5	3.1	1.2	—	—	—	—
	67	37.7	3.2	22.7	20.1	17.5	14.9	12.3	—	32.6	3.3	16.7	14.8	12.9	11.0	9.1	—
	62	32.9	3.0	32.4	31.2	29.0	26.4	23.8	21.2	27.4	3.2	26.2	25.2	23.5	21.6	19.8	17.9
	57	31.4	2.9	31.4	31.4	31.3	28.7	26.1	23.5	26.8	3.1	26.8	26.8	26.8	24.9	23.0	21.1
2500	72	43.4	3.4	9.7	6.8	3.9	1.0	—	—	37.6	3.5	3.4	1.3	—	—	—	—
	67	38.8	3.1	25.0	22.1	19.2	16.4	13.5	—	33.2	3.3	18.4	16.3	14.2	12.1	10.0	—
	62	33.9	3.0	33.9	33.9	31.8	29.0	26.1	23.2	27.9	3.1	27.9	27.7	26.0	23.9	21.8	19.7
	57	32.3	2.9	32.3	32.3	32.3	29.4	26.5	23.6	27.3	3.1	27.3	27.3	27.3	25.3	23.2	21.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 66: ZY06 reheat capacity (5 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity [1](MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1](MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
75°F										85°F							
1250	72	25.2	4.3	—	—	—	—	—	—	20.1	4.6	—	—	—	—	—	—
	67	21.8	4.1	0.0	0.1	0.2	0.3	0.5	—	16.9	4.4	0.0	0.0	0.1	0.2	0.3	—
	62	17.4	4.0	0.3	0.4	0.5	0.6	0.7	0.9	12.2	4.3	0.2	0.3	0.4	0.5	0.6	0.8
1500	72	27.3	4.1	—	—	—	—	—	—	22.3	4.3	—	—	—	—	—	—
	67	23.6	3.9	3.1	2.9	2.6	2.3	2.1	—	18.8	4.1	2.7	2.3	1.9	1.5	1.2	—
	62	18.8	3.8	6.2	5.9	5.7	5.4	5.1	4.9	13.7	4.1	3.8	3.4	3.1	2.7	2.3	1.5
	57	19.2	3.7	8.3	8.1	7.8	7.5	7.3	7.0	14.9	4.0	5.2	4.8	4.3	3.9	3.3	2.6
1750	72	29.4	3.9	1.7	2.3	3.0	3.6	—	—	24.5	4.1	0.3	0.3	0.3	0.2	—	—
	67	25.4	3.7	6.3	5.6	5.0	4.3	3.6	—	20.7	3.9	3.6	3.1	2.5	2.1	1.6	—
	62	20.2	3.6	12.1	11.5	10.8	10.2	9.5	8.9	15.1	3.8	4.9	4.9	4.9	4.9	4.9	4.9
	57	20.7	3.5	15.2	15.1	14.9	14.2	13.6	12.9	16.5	3.8	9.4	9.3	9.2	9.2	9.2	9.2
2000	72	31.5	3.7	2.3	3.3	4.4	5.4	—	—	26.8	3.8	1.2	1.1	1.0	0.8	—	—
	67	27.3	3.5	9.4	8.4	7.3	6.3	5.2	—	22.6	3.6	3.8	3.5	3.1	2.7	2.3	—
	62	21.7	3.4	18.1	17.0	16.0	15.0	13.9	12.9	16.6	3.6	11.7	11.3	10.9	10.5	10.1	9.7
	57	22.2	3.3	22.2	22.2	22.0	20.9	19.9	18.9	18.0	3.5	17.7	17.7	17.5	17.4	17.0	16.6
2250	72	31.7	3.6	2.6	3.8	5.0	6.1	—	—	26.5	3.8	2.4	2.2	1.8	1.6	—	—
	67	27.4	3.4	10.6	9.4	8.3	7.1	5.9	—	22.3	3.6	4.5	4.1	3.6	3.2	2.7	—
	62	21.8	3.4	20.0	19.2	18.1	16.9	15.7	14.5	16.3	3.5	13.8	13.2	12.6	12.1	11.7	11.2
	57	22.3	3.3	22.3	22.3	22.2	21.0	19.9	18.7	17.8	3.5	17.8	17.8	17.6	17.5	17.3	17.2
2500	72	31.9	3.6	2.9	4.2	5.5	6.8	—	—	26.1	3.7	2.7	2.5	2.1	1.6	—	—
	67	27.6	3.4	11.8	10.5	9.2	7.9	6.6	—	22.0	3.5	5.2	4.7	4.2	3.7	3.1	—
	62	22.0	3.3	22.0	21.4	20.1	18.8	17.5	16.2	16.0	3.5	16.0	15.2	14.3	13.7	13.2	12.7
	57	22.4	3.2	22.4	22.4	22.4	21.1	19.8	18.5	17.5	3.4	17.9	17.9	17.9	17.8	17.5	17.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 67: ZYA7 reheat capacity (6 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
1500	77	53.4	2.9	9.5	7.3	5.0	—	—	—	56.9	3.6	5.4	3.6	1.8	—	—	—
	72	49.2	3.0	15.6	13.3	11.1	8.8	—	—	50.3	3.5	11.6	9.8	8.0	6.2	—	—
	67	44.9	3.1	21.7	19.4	17.2	14.9	12.6	—	43.6	3.4	17.7	15.9	14.1	12.3	10.5	—
	62	43.4	3.2	34.1	31.9	29.6	27.3	25.1	22.8	39.1	3.4	27.8	26.0	24.2	22.4	20.6	18.8
1800	77	52.1	2.9	10.2	7.9	5.6	—	—	—	57.0	3.6	5.9	3.9	1.9	—	—	—
	72	48.0	3.0	16.2	13.9	11.6	9.4	—	—	50.3	3.5	12.7	10.7	8.7	6.7	—	—
	67	44.0	3.1	22.3	20.0	17.7	15.4	13.1	—	43.7	3.4	19.4	17.4	15.4	13.4	11.4	—
	62	42.6	3.2	35.1	32.8	30.5	28.2	26.0	23.7	39.1	3.4	30.5	28.5	26.5	24.5	22.5	20.5
	57	38.9	3.2	38.9	37.7	35.4	33.1	30.8	28.5	36.0	3.3	34.8	32.9	30.9	28.9	26.9	24.9
2100	77	50.8	2.9	10.8	8.5	6.2	—	—	—	57.0	3.6	6.5	4.3	2.1	—	—	—
	72	46.9	3.0	16.8	14.5	12.2	9.9	—	—	50.4	3.5	13.8	11.6	9.4	7.2	—	—
	67	43.1	3.1	22.9	20.5	18.2	15.9	13.6	—	43.7	3.4	21.1	18.9	16.7	14.5	12.3	—
	62	41.9	3.2	36.1	33.8	31.5	29.1	26.8	24.5	39.2	3.4	33.1	30.9	28.7	26.5	24.3	22.1
	57	38.2	3.2	38.2	37.6	36.4	34.1	31.8	29.5	36.0	3.3	35.4	34.4	33.4	31.3	29.1	26.9
2400	77	49.4	2.9	11.5	9.1	6.8	—	—	—	57.1	3.5	7.1	4.7	2.3	—	—	—
	72	45.8	3.0	17.5	15.1	12.8	10.4	—	—	50.4	3.4	14.9	12.5	10.1	7.8	—	—
	67	42.1	3.1	23.4	21.1	18.8	16.4	14.1	—	43.8	3.4	22.8	20.4	18.0	15.6	13.2	—
	62	41.1	3.2	37.1	34.7	32.4	30.1	27.7	25.4	39.2	3.3	35.7	33.3	30.9	28.5	26.1	23.7
	57	37.5	3.1	37.5	37.5	37.5	35.2	32.8	30.5	36.0	3.3	36.0	36.0	36.0	33.6	31.3	28.9
2700	72	44.2	2.9	18.6	16.2	13.8	11.3	—	—	49.9	3.4	16.3	13.7	11.1	8.5	—	—
	67	40.8	3.0	24.9	22.4	20.0	17.6	15.2	—	43.3	3.3	24.9	22.3	19.7	17.1	14.5	—
	62	39.9	3.2	37.9	36.8	34.6	32.2	29.8	27.4	38.8	3.3	37.0	35.8	33.8	31.2	28.6	26.0
	57	36.4	3.1	36.4	36.4	36.4	34.0	31.6	29.2	35.6	3.3	35.6	35.6	35.6	33.0	30.4	27.8
3000	72	42.7	2.9	19.7	17.2	14.7	12.3	—	—	49.3	3.4	17.7	14.9	12.0	9.2	—	—
	67	39.5	3.0	26.3	23.8	21.3	18.9	16.4	—	42.8	3.3	27.0	24.2	21.4	18.6	15.8	—
	62	38.8	3.1	38.8	38.8	36.9	34.4	31.9	29.5	38.3	3.3	38.3	38.3	36.7	33.9	31.1	28.2
	57	35.4	3.1	35.4	35.4	35.4	32.9	30.4	28.0	35.2	3.3	35.2	35.2	35.2	32.4	29.6	26.8
55°F										65°F							
1500	77	60.4	4.2	1.2	—	—	—	—	—	54.2	4.3	—	—	—	—	—	—
	72	51.4	3.9	7.5	6.2	4.8	3.5	—	—	46.4	4.1	3.4	2.5	1.5	0.6	—	—
	67	42.4	3.7	13.8	12.4	11.1	9.8	8.4	—	38.6	3.9	10.0	9.0	8.1	7.2	6.2	—
	62	34.8	3.5	21.6	20.2	18.9	17.6	16.2	14.9	31.7	3.8	17.4	16.4	15.5	14.5	13.6	12.7
1800	77	61.9	4.2	1.7	0.0	—	—	—	—	55.2	4.3	3.6	2.5	1.4	—	—	—
	72	52.6	3.9	9.1	7.4	5.7	4.0	—	—	47.3	4.1	4.2	2.9	1.7	0.4	—	—
	67	43.4	3.6	16.6	14.9	13.2	11.5	9.8	—	39.4	3.9	12.5	11.3	10.0	8.7	7.5	—
	62	35.6	3.5	25.8	24.1	22.4	20.7	19.0	17.3	32.3	3.8	21.8	20.6	19.3	18.0	16.7	15.5
	57	33.0	3.5	29.7	28.0	26.3	24.6	22.9	21.2	30.5	3.8	25.2	23.9	22.6	21.4	20.1	18.8
2100	77	63.3	4.2	2.2	0.1	—	—	—	—	56.2	4.3	4.3	2.9	1.6	—	—	—
	72	53.8	3.9	10.8	8.7	6.6	4.6	—	—	48.1	4.1	5.0	3.4	1.8	0.2	—	—
	67	44.4	3.6	19.4	17.3	15.2	13.1	11.1	—	40.1	3.9	15.1	13.5	11.9	10.3	8.7	—
	62	36.5	3.5	30.0	28.0	25.9	23.8	21.8	19.7	32.9	3.8	26.3	24.7	23.1	21.5	19.9	18.3
	57	33.8	3.5	32.2	31.3	30.5	28.4	26.3	24.2	31.0	3.7	28.4	27.7	27.1	25.5	23.9	22.3
2400	77	64.7	4.2	2.6	0.2	—	—	—	—	57.2	4.3	5.0	3.3	1.7	—	—	—
	72	55.1	3.9	12.4	10.0	7.5	5.1	—	—	49.0	4.1	5.8	3.9	2.0	—	—	—
	67	45.4	3.6	22.2	19.7	17.3	14.8	12.4	—	40.8	3.9	17.6	15.7	13.8	11.8	9.9	—
	62	37.3	3.5	34.3	31.9	29.4	27.0	24.5	22.1	33.5	3.8	30.7	28.8	26.9	25.0	23.0	21.1
	57	34.6	3.5	34.6	34.6	34.6	32.1	29.7	27.3	31.6	3.7	31.6	31.6	31.6	29.6	27.7	25.8
2700	72	55.5	3.9	14.0	11.2	8.4	5.6	—	—	49.0	4.1	6.6	4.4	2.1	—	—	—
	67	45.7	3.6	25.0	22.2	19.4	16.6	13.8	—	40.8	3.9	20.2	17.9	15.7	13.4	11.2	—
	62	37.6	3.5	36.1	34.9	33.0	30.2	27.4	24.6	33.5	3.8	32.1	31.2	29.9	27.6	25.4	23.1
	57	34.9	3.5	34.9	34.9	34.9	32.1	29.2	26.4	31.6	3.7	31.6	31.6	31.6	29.3	27.1	24.8
3000	72	55.9	3.9	15.7	12.5	9.3	6.2	—	—	49.1	4.1	7.5	4.9	2.3	—	—	—
	67	46.1	3.6	27.8	24.6	21.5	18.3	15.1	—	40.9	3.9	22.8	20.2	17.6	15.0	12.4	—
	62	37.9	3.5	37.9	37.9	36.5	33.4	30.2	27.0	33.5	3.8	33.5	33.5	32.9	30.3	27.7	25.1
	57	35.1	3.5	35.1	35.1	35.1	32.0	28.8	25.6	31.6	3.7	31.6	31.6	31.6	29.1	26.5	23.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 68: ZYA7 reheat capacity (6 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity [1](MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1](MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
75°F										85°F							
1500	72	41.5	4.3	5.2	4.7	4.3	3.8	—	—	36.5	4.4	2.0	1.9	1.8	1.7	—	—
	67	34.9	4.1	6.2	5.6	5.1	4.6	4.0	—	31.2	4.4	2.4	2.2	2.1	2.0	1.8	—
	62	28.6	4.0	13.2	12.6	12.1	11.5	11.0	10.5	25.6	4.3	9.0	8.8	8.7	8.5	8.4	8.2
1800	72	41.9	4.3	7.2	6.5	5.7	5.0	—	—	36.6	4.4	3.8	3.5	3.1	2.8	—	—
	67	35.3	4.1	8.5	7.7	6.8	6.0	5.2	—	31.3	4.4	4.5	4.1	3.7	3.3	2.9	—
	62	29.0	4.0	17.8	17.0	16.2	15.3	14.5	13.7	25.6	4.3	13.9	13.5	13.1	12.7	12.3	11.9
	57	27.9	4.0	20.6	19.8	19.0	18.1	17.3	16.5	25.4	4.3	16.1	15.7	15.3	14.9	14.5	14.1
2100	72	42.4	4.3	9.1	8.2	7.2	6.3	—	—	36.7	4.4	5.6	5.0	4.5	3.9	—	—
	67	35.7	4.1	10.8	9.7	8.6	7.4	6.3	—	31.4	4.4	6.5	5.9	5.2	4.6	3.9	—
	62	29.3	4.0	22.5	21.4	20.3	19.1	18.0	16.9	25.7	4.3	18.8	18.1	17.4	16.8	16.1	15.5
	57	28.3	4.0	24.6	24.2	23.8	22.6	21.5	20.4	25.5	4.3	20.8	20.6	20.4	19.8	19.1	18.5
2400	72	42.9	4.3	11.1	9.9	8.7	7.5	—	—	36.8	4.4	7.4	6.6	5.8	5.0	—	—
	67	36.1	4.1	13.1	11.7	10.3	8.9	7.4	—	31.5	4.4	8.6	7.7	6.8	5.9	5.0	—
	62	29.6	4.0	27.2	25.8	24.4	22.9	21.5	20.1	25.8	4.3	23.7	22.8	21.8	20.9	20.0	19.1
	57	28.6	4.0	28.6	28.6	28.6	27.1	25.7	24.3	25.6	4.3	25.6	25.6	25.6	24.7	23.7	22.8
2700	72	42.6	4.3	13.0	11.6	10.1	8.7	—	—	36.1	4.4	9.1	8.1	7.1	6.1	—	—
	67	35.9	4.1	15.4	13.7	12.0	10.3	8.6	—	30.9	4.4	10.6	9.5	8.3	7.1	6.0	—
	62	29.4	4.0	28.2	27.5	26.8	25.1	23.3	21.6	25.3	4.3	24.3	23.8	23.7	22.5	21.3	20.2
	57	28.4	4.0	28.4	28.4	28.4	26.6	24.9	23.2	25.1	4.3	25.1	25.1	25.1	23.9	22.8	21.6
3000	72	42.3	4.3	14.9	13.2	11.6	9.9	—	—	35.4	4.4	10.9	9.7	8.4	7.2	—	—
	67	35.6	4.1	17.7	15.7	13.7	11.7	9.7	—	30.4	4.4	12.7	11.3	9.8	8.4	7.0	—
	62	29.2	4.0	29.2	29.2	29.2	27.2	25.2	23.2	24.8	4.2	24.8	24.8	24.8	24.1	22.7	21.3
	57	28.1	4.0	28.1	28.1	28.1	26.1	24.1	22.1	24.6	4.3	24.6	24.6	24.6	23.2	21.8	20.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 69: ZY08 reheat capacity (7.5 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
1875	77	78.5	3.2	7.0	4.0	1.1	—	—	—	70.5	3.4	1.7	—	—	—	—	—
	72	70.8	3.0	18.1	15.2	12.2	9.2	—	—	63.9	3.2	11.7	9.5	7.4	5.2	—	—
	67	63.1	2.8	29.3	26.3	23.3	20.3	17.3	—	57.3	3.1	21.6	19.5	17.3	15.2	13.1	—
	62	59.2	2.8	40.8	37.9	34.9	31.9	28.9	25.9	51.4	2.9	32.4	30.3	28.1	26.0	23.9	21.7
2250	77	79.6	3.2	8.4	5.1	1.9	—	—	—	72.7	3.3	2.0	—	—	—	—	—
	72	71.8	3.0	20.7	17.4	14.2	10.9	—	—	65.9	3.2	13.8	11.3	8.7	6.2	—	—
	67	63.9	2.8	33.0	29.8	26.5	23.3	20.0	—	59.1	3.0	25.7	23.1	20.6	18.0	15.5	—
	62	60.1	2.7	45.8	42.5	39.3	36.0	32.8	29.5	53.0	2.9	38.5	35.9	33.4	30.8	28.3	25.8
	57	52.7	2.8	50.9	47.6	44.4	41.1	37.9	34.6	47.3	2.9	43.2	40.7	38.1	35.6	33.1	30.5
2625	77	80.7	3.1	9.7	6.2	2.7	—	—	—	74.9	3.2	2.3	—	—	—	—	—
	72	72.7	2.9	23.2	19.7	16.2	12.7	—	—	67.9	3.1	16.0	13.1	10.1	7.2	—	—
	67	64.8	2.7	36.7	33.2	29.7	26.2	22.7	—	60.9	2.9	29.7	26.8	23.8	20.9	17.9	—
	62	61.0	2.7	50.7	47.2	43.7	40.2	36.6	33.1	54.6	2.8	44.5	41.6	38.6	35.7	32.8	29.8
	57	53.4	2.7	52.5	50.9	49.3	45.8	42.3	38.7	48.7	2.8	46.7	45.4	44.1	41.2	38.3	35.3
3000	77	81.8	3.1	11.0	7.3	3.5	—	—	—	77.1	3.1	2.6	—	—	—	—	—
	72	73.7	2.9	25.8	22.0	18.2	14.5	—	—	69.9	3.0	18.2	14.8	11.5	8.2	—	—
	67	65.6	2.7	40.5	36.7	32.9	29.2	25.4	—	62.7	2.9	33.7	30.4	27.0	23.7	20.4	—
	62	61.9	2.6	55.6	51.8	48.0	44.3	40.5	36.7	56.2	2.7	50.6	47.2	43.9	40.5	37.2	33.9
	57	54.2	2.7	54.2	54.2	54.2	50.4	46.6	42.9	50.1	2.7	50.1	50.1	50.1	46.8	43.5	40.1
3375	72	74.8	2.9	27.6	23.8	20.0	16.2	—	—	70.7	3.0	20.2	16.5	12.8	9.1	—	—
	67	66.6	2.7	42.9	39.1	35.2	31.4	27.6	—	63.4	2.8	37.6	33.9	30.1	26.4	22.7	—
	62	62.7	2.6	59.6	57.7	52.3	48.5	44.7	40.8	56.8	2.7	54.0	52.4	48.9	45.2	41.5	37.8
	57	55.0	2.7	55.0	55.0	55.0	51.1	47.3	43.5	50.7	2.7	50.7	50.7	50.7	47.0	43.3	39.6
3750	72	75.8	2.8	29.5	25.6	21.7	17.9	—	—	71.5	2.9	22.3	18.2	14.1	10.0	—	—
	67	67.5	2.7	45.3	41.4	37.5	33.6	29.8	—	64.2	2.8	41.4	37.3	33.2	29.1	25.1	—
	62	63.6	2.6	63.6	63.6	56.6	52.7	48.8	44.9	57.5	2.7	57.5	57.5	53.9	49.8	45.8	41.7
	57	55.7	2.7	55.7	55.7	55.7	51.9	48.0	44.1	51.3	2.7	51.3	51.3	51.3	47.2	43.1	39.0
55°F										65°F							
1875	77	62.4	3.5	—	—	—	—	—	—	58.9	3.8	—	—	—	—	—	—
	72	57.0	3.4	5.2	3.9	2.6	1.3	—	—	52.8	3.6	2.6	1.7	0.7	—	—	—
	67	51.6	3.4	14.0	12.7	11.4	10.1	8.8	—	46.8	3.4	10.6	9.7	8.7	7.8	6.9	—
	62	43.5	3.1	24.0	22.7	21.4	20.1	18.8	17.5	39.7	3.2	19.2	18.3	17.4	16.4	15.5	14.6
2250	77	65.8	3.4	6.4	4.7	3.0	—	—	—	62.1	3.6	3.4	2.1	0.7	—	—	—
	72	60.0	3.3	7.0	5.1	3.3	1.5	—	—	55.7	3.5	3.8	2.3	0.8	—	—	—
	67	54.3	3.3	18.3	16.5	14.6	12.8	11.0	—	49.4	3.3	15.2	13.6	12.1	10.6	9.1	—
	62	45.8	3.0	31.2	29.3	27.5	25.7	23.8	22.0	41.9	3.1	27.3	25.8	24.3	22.7	21.2	19.7
	57	41.9	3.0	35.6	33.8	31.9	30.1	28.2	26.4	39.3	3.0	30.7	29.2	27.7	26.2	24.7	23.2
2625	77	69.1	3.3	8.0	5.9	3.7	—	—	—	65.3	3.5	4.5	2.6	0.8	—	—	—
	72	63.1	3.2	8.8	6.4	4.0	1.7	—	—	58.6	3.3	5.0	2.9	0.9	—	—	—
	67	57.1	3.2	22.6	20.3	17.9	15.5	13.1	—	51.9	3.2	19.7	17.6	15.5	13.4	11.3	—
	62	48.2	2.9	38.4	36.0	33.6	31.2	28.9	26.5	44.0	3.0	35.3	33.2	31.1	29.0	26.9	24.9
	57	44.0	2.9	40.9	39.9	39.0	36.6	34.3	31.9	41.3	2.9	37.1	36.3	35.5	33.4	31.4	29.3
3000	77	72.4	3.2	9.7	7.0	4.4	—	—	—	68.5	3.3	5.6	3.2	0.8	—	—	—
	72	66.1	3.1	10.6	7.7	4.8	1.9	—	—	61.5	3.2	6.3	3.6	0.9	—	—	—
	67	59.8	3.1	27.0	24.1	21.1	18.2	15.3	—	54.5	3.0	24.2	21.6	18.9	16.2	13.5	—
	62	50.5	2.8	45.6	42.6	39.7	36.8	33.9	31.0	46.2	2.8	43.4	40.7	38.0	35.4	32.7	30.0
	57	46.1	2.8	46.1	46.1	46.1	43.2	40.3	37.4	43.4	2.8	43.4	43.4	43.4	40.7	38.0	35.3
3375	72	66.7	3.1	12.9	9.3	5.7	2.1	—	—	62.4	3.1	7.7	4.4	1.0	—	—	—
	67	60.3	3.0	32.3	28.7	25.0	21.4	17.8	—	55.2	3.0	29.5	26.2	22.8	19.5	16.1	—
	62	50.9	2.8	48.4	47.0	45.5	41.9	38.3	34.7	46.8	2.8	45.4	44.1	42.8	39.4	36.0	32.7
	57	46.5	2.7	46.5	46.5	46.5	42.9	39.3	35.7	44.0	2.7	44.0	44.0	44.0	40.6	37.3	33.9
3750	72	67.2	3.0	15.2	10.8	6.5	2.2	—	—	63.2	3.1	9.2	5.1	1.1	—	—	—
	67	60.8	2.9	37.6	33.3	29.0	24.6	20.3	—	56.0	2.9	34.8	30.8	26.8	22.7	18.7	—
	62	51.3	2.7	51.3	51.3	51.3	47.0	42.7	38.4	47.5	2.7	47.5	47.5	47.5	43.4	39.4	35.3
	57	46.9	2.6	46.9	46.9	46.9	42.6	38.3	34.0	44.6	2.7	44.6	44.6	44.6	40.5	36.5	32.5

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 70: ZY08 reheat capacity (7.5 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity [1](MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1](MBh)	Total input [2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
75°F										85°F							
1875	72	48.7	3.8	6.2	5.8	5.3	4.8	4.3	—	44.5	3.9	3.2	3.1	2.9	2.7	2.6	—
	67	42.0	3.5	7.2	6.7	6.1	5.5	5.0	—	37.2	3.5	3.8	3.7	3.5	3.3	3.1	—
	62	35.9	3.3	14.5	13.9	13.3	12.8	12.2	11.7	32.0	3.3	9.7	9.5	9.3	9.1	8.9	8.7
2250	72	51.4	3.6	10.4	9.3	8.3	7.3	6.2	—	47.1	3.7	7.4	6.7	5.9	5.2	4.5	—
	67	44.4	3.3	12.0	10.8	9.6	8.4	7.2	—	39.4	3.4	8.8	8.0	7.1	6.2	5.4	—
	62	37.9	3.1	23.4	22.2	21.0	19.8	18.6	17.4	33.9	3.1	19.5	18.6	17.8	16.9	16.0	15.2
	57	36.7	3.1	25.9	24.7	23.5	22.3	21.1	19.9	34.2	3.2	21.0	20.2	19.3	18.4	17.6	16.7
2625	72	54.1	3.4	14.5	12.9	11.3	9.8	8.2	—	49.7	3.5	11.6	10.3	9.0	7.7	6.4	—
	67	46.7	3.2	16.8	14.9	13.1	11.3	9.5	—	41.6	3.2	13.8	12.3	10.7	9.2	7.7	—
	62	39.9	3.0	32.3	30.5	28.7	26.9	25.0	23.2	35.8	3.0	29.3	27.7	26.2	24.7	23.1	21.6
	57	38.7	3.0	33.3	32.7	32.1	30.3	28.4	26.6	36.0	3.0	29.5	29.0	28.6	27.1	25.5	24.0
3000	72	56.9	3.3	18.6	16.5	14.4	12.2	10.1	—	52.3	3.3	15.7	13.9	12.0	10.2	8.3	—
	67	49.1	3.0	21.5	19.1	16.6	14.2	11.7	—	43.8	3.0	18.8	16.6	14.4	12.2	10.0	—
	62	41.9	2.8	41.2	38.8	36.3	33.9	31.4	29.0	37.6	2.8	37.6	36.8	34.6	32.4	30.2	28.0
	57	40.7	2.8	40.7	40.7	40.7	38.2	35.8	33.3	37.9	2.8	37.9	37.9	37.9	35.7	33.5	31.3
3375	72	58.0	3.2	23.2	20.5	17.8	15.1	12.4	—	53.7	3.3	20.2	17.8	15.4	13.0	10.6	—
	67	50.1	3.0	26.8	23.7	20.6	17.5	14.3	—	45.0	2.9	24.1	21.2	18.4	15.5	12.6	—
	62	42.8	2.8	42.4	41.2	40.0	36.9	33.7	30.6	38.7	2.8	38.7	38.3	37.2	34.3	31.5	28.6
	57	41.5	2.8	41.5	41.5	41.5	38.4	35.2	32.1	39.0	2.8	39.0	39.0	39.0	36.1	33.2	30.4
3750	72	59.2	3.1	27.7	24.5	21.2	17.9	14.6	—	55.2	3.2	24.6	21.7	18.7	15.8	12.8	—
	67	51.1	2.9	32.1	28.3	24.5	20.8	17.0	—	46.3	2.9	29.4	25.9	22.3	18.8	15.3	—
	62	43.6	2.7	43.6	43.6	43.6	39.8	36.0	32.3	39.8	2.7	39.8	39.8	39.8	36.3	32.7	29.2
	57	42.3	2.7	42.3	42.3	42.3	38.5	34.7	30.9	40.0	2.7	40.0	40.0	40.0	36.5	33.0	29.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 71: ZY09 reheat capacity (8.5 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
2125	77	66.9	3.5	2.4	0.9	—	—	—	—	62.0	3.8	2.2	0.8	—	—	—	—
	72	59.8	3.4	13.9	11.3	8.8	6.2	—	—	56.5	3.6	8.0	6.1	4.2	2.3	—	—
	67	52.8	3.3	25.4	22.9	20.3	17.7	15.1	—	51.0	3.5	19.0	17.1	15.2	13.3	11.4	—
	62	49.3	3.2	38.7	36.1	33.5	30.9	28.4	25.8	48.3	3.3	30.8	28.9	27.0	25.0	23.1	21.2
2550	77	70.0	3.4	3.6	1.0	0.0	—	—	—	64.6	3.7	3.6	1.3	0.0	—	—	—
	72	62.7	3.3	15.8	13.1	10.5	7.8	—	—	58.9	3.5	9.5	7.2	5.0	2.7	—	—
	67	55.3	3.2	27.9	25.3	22.6	19.9	17.3	—	53.2	3.4	22.6	20.3	18.1	15.8	13.5	—
	62	51.7	3.1	42.1	39.5	36.8	34.1	31.5	28.8	50.3	3.2	36.5	34.2	32.0	29.7	27.5	25.2
	57	51.9	3.1	49.8	47.1	44.4	41.8	39.1	36.4	50.7	3.2	44.0	41.7	39.5	37.2	35.0	32.7
2975	77	73.2	3.3	4.9	2.1	—	—	—	—	67.2	3.6	4.2	2.5	—	—	—	—
	72	65.5	3.2	17.7	14.9	12.1	9.4	—	—	61.3	3.4	10.9	8.3	5.7	3.1	—	—
	67	57.8	3.1	30.4	27.7	24.9	22.1	19.4	—	55.3	3.3	26.1	23.5	20.9	18.3	15.7	—
	62	54.1	3.1	45.6	42.9	40.1	37.3	34.6	31.8	52.3	3.2	42.2	39.6	37.0	34.4	31.8	29.2
	57	54.2	3.0	53.2	51.8	48.3	45.5	42.7	40.0	52.8	3.1	49.4	48.3	45.7	43.1	40.5	37.9
3400	77	76.4	3.2	6.2	3.3	0.4	—	—	—	69.8	3.5	4.8	2.6	0.5	—	—	—
	72	68.3	3.2	19.6	16.7	13.8	11.0	—	—	63.7	3.3	12.4	9.5	6.5	3.6	—	—
	67	60.3	3.1	33.0	30.1	27.2	24.3	21.5	—	57.5	3.2	29.6	26.7	23.7	20.8	17.8	—
	62	56.4	3.0	49.1	46.3	43.4	40.5	37.7	34.8	54.4	3.1	47.9	44.9	42.0	39.1	36.1	33.2
	57	56.6	3.0	56.6	56.5	52.1	49.2	46.4	43.5	54.8	3.0	54.8	54.8	51.9	48.9	46.0	43.1
3825	72	70.4	3.1	22.3	19.3	16.2	13.1	—	—	65.8	3.3	14.4	11.0	7.6	4.3	—	—
	67	62.1	3.0	37.0	33.9	30.9	27.8	24.8	—	59.4	3.1	34.5	31.1	27.7	24.4	21.0	—
	62	58.1	3.0	54.4	53.0	49.7	46.7	43.6	40.6	56.2	3.0	53.0	51.5	49.1	45.7	42.4	39.0
	57	58.3	2.9	58.3	58.2	56.0	53.0	49.9	46.8	56.7	3.0	56.7	56.7	55.2	51.9	48.5	45.1
4250	72	72.4	3.1	25.1	21.8	18.6	15.3	—	—	68.0	3.2	16.3	12.5	8.7	4.9	—	—
	67	63.9	3.0	41.1	37.8	34.6	31.3	28.1	—	61.4	3.1	39.4	35.6	31.8	28.0	24.2	—
	62	59.8	2.9	59.8	59.8	56.1	52.8	49.6	46.3	58.1	3.0	58.1	58.1	56.2	52.4	48.6	44.8
	57	60.0	2.9	60.0	60.0	60.0	56.7	53.5	50.2	58.6	2.9	58.6	58.6	58.6	54.8	51.0	47.2
55°F										65°F							
2125	77	57.1	4.0	—	—	—	—	—	—	54.7	4.1	—	—	—	—	—	—
	72	53.2	3.8	2.1	0.8	0.4	—	—	—	51.2	3.9	1.1	0.4	0.0	—	—	—
	67	49.3	3.7	12.7	11.4	10.2	8.9	7.7	—	47.7	3.7	11.1	10.0	8.9	7.8	6.6	—
	62	47.2	3.5	22.9	21.7	20.4	19.2	17.9	16.7	44.8	3.5	20.6	19.5	18.4	17.3	16.2	15.1
2550	77	59.2	3.9	2.9	1.2	—	—	—	—	57.1	4.0	0.3	—	—	—	—	—
	72	55.1	3.7	3.1	1.3	0.4	0.1	—	—	53.5	3.8	2.2	0.0	—	—	—	—
	67	51.1	3.5	17.2	15.3	13.5	11.7	9.8	—	49.8	3.6	15.8	14.1	12.4	10.7	9.0	—
	62	48.9	3.4	30.8	29.0	27.1	25.3	23.5	21.6	46.8	3.4	29.2	27.5	25.9	24.2	22.5	20.8
	57	49.6	3.3	38.2	36.4	34.5	32.7	30.9	29.0	47.1	3.3	34.2	32.5	30.8	29.1	27.4	25.7
2975	77	61.2	3.8	3.9	1.6	—	—	—	—	59.5	3.9	0.7	0.0	—	—	—	—
	72	57.1	3.6	4.2	1.8	0.7	0.4	—	—	55.7	3.6	2.4	0.1	0.1	—	—	—
	67	52.9	3.4	21.7	19.3	16.9	14.4	12.0	—	51.9	3.4	20.5	18.2	16.0	13.7	11.4	—
	62	50.6	3.3	38.7	36.3	33.9	31.4	29.0	26.6	48.7	3.3	37.8	35.5	33.3	31.0	28.8	26.5
	57	51.4	3.2	45.6	44.7	43.1	40.7	38.3	35.8	49.0	3.2	42.6	41.4	39.6	37.3	35.0	32.8
3400	77	63.3	3.7	4.9	2.1	—	—	—	—	61.9	3.7	0.9	0.0	—	—	—	—
	72	59.0	3.5	5.2	2.2	1.2	0.9	—	—	57.9	3.5	3.1	0.2	0.1	—	—	—
	67	54.7	3.3	26.2	23.2	20.2	17.2	14.2	—	54.0	3.3	25.1	22.3	19.5	16.7	13.9	—
	62	52.4	3.1	46.6	43.6	40.6	37.6	34.6	31.6	50.7	3.1	46.4	43.5	40.7	37.9	35.1	32.2
	57	53.1	3.1	53.1	53.1	51.7	48.7	45.7	42.6	51.0	3.1	51.0	50.3	48.3	45.5	42.7	39.8
3825	72	61.3	3.4	6.4	2.7	—	—	—	—	59.1	3.4	3.9	0.4	—	—	—	—
	67	56.8	3.3	31.9	28.3	24.6	20.9	17.2	—	55.0	3.2	30.9	27.4	23.9	20.3	16.8	—
	62	54.4	3.1	51.5	50.0	48.5	44.8	41.1	37.5	51.7	3.1	49.6	48.1	46.7	43.2	39.7	36.1
	57	55.1	3.0	55.1	55.1	54.4	50.7	47.1	43.4	52.0	3.0	52.0	51.7	50.7	47.2	43.6	40.1
4250	72	63.6	3.4	7.6	3.2	—	—	—	—	60.2	3.4	4.7	0.5	—	—	—	—
	67	58.9	3.2	37.6	33.3	29.0	24.6	20.3	—	56.1	3.2	36.7	32.4	28.2	24.0	19.7	—
	62	56.4	3.0	56.4	56.4	56.4	52.0	47.7	43.4	52.7	3.0	52.7	52.7	52.7	48.5	44.3	40.1
	57	57.2	2.9	57.2	57.2	57.2	52.8	48.5	44.1	53.1	3.0	53.1	53.1	53.1	48.8	44.6	40.4

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 72: ZY09 reheat capacity (8.5 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity [1](MBh)	Total input [2] (kW)	Sensible capacity (MBh)						Total capacity[1](MBh)	Total input [2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
75°F										85°F							
2125	72	49.2	4.0	0.2	8.0	—	—	—	—	47.2	4.1	0.1	0.0	—	—	—	—
	67	46.1	3.7	9.5	8.5	7.6	6.6	5.6	—	44.5	3.8	7.9	7.1	6.2	5.4	4.6	—
	62	42.5	3.5	18.4	17.4	16.4	15.5	14.5	13.5	40.1	3.5	16.1	15.3	14.4	13.6	12.8	11.9
2550	72	51.8	3.8	0.4	—	—	—	—	—	50.1	3.9	—	—	—	—	—	—
	67	48.5	3.6	14.3	12.8	11.3	9.8	8.2	—	47.1	3.6	12.9	11.6	10.2	8.8	7.4	—
	62	44.7	3.4	27.6	26.1	24.6	23.0	21.5	20.0	42.5	3.4	26.0	24.6	23.3	21.9	20.5	19.2
	57	44.6	3.4	30.1	28.6	27.0	25.5	24.0	22.5	42.0	3.4	26.0	24.7	23.3	21.9	20.5	19.2
2975	72	54.3	3.7	0.7	—	—	—	—	—	52.9	3.7	—	—	—	—	—	—
	67	50.8	3.4	19.2	17.1	15.0	13.0	10.9	—	49.8	3.4	18.0	16.0	14.1	12.2	10.3	—
	62	46.8	3.3	36.9	34.8	32.7	30.6	28.5	26.5	44.9	3.3	36.0	34.0	32.1	30.2	28.3	26.4
	57	46.7	3.2	39.5	38.1	36.0	33.9	31.8	29.7	44.4	3.3	36.4	34.8	32.5	30.5	28.6	26.7
3400	72	56.8	3.5	0.9	—	—	—	—	—	55.8	3.6	—	—	—	—	—	—
	67	53.2	3.3	24.1	21.4	18.8	16.1	13.5	—	52.5	3.3	23.0	20.5	18.1	15.6	13.1	—
	62	49.0	3.1	46.1	43.5	40.8	38.2	35.6	32.9	47.4	3.1	45.9	43.4	41.0	38.5	36.1	33.6
	57	48.9	3.1	48.9	47.6	45.0	42.3	39.7	37.0	46.8	3.1	46.8	44.9	41.6	39.2	36.7	34.2
3825	72	56.9	3.5	1.4	—	—	—	—	—	54.7	3.5	—	—	—	—	—	—
	67	53.2	3.2	29.9	26.5	23.1	19.7	16.4	—	51.5	3.2	28.9	25.6	22.4	19.2	15.9	—
	62	49.1	3.1	47.6	46.3	45.0	41.6	38.2	34.8	46.4	3.0	45.7	44.4	43.2	40.0	36.7	33.5
	57	49.0	3.0	49.0	48.3	47.0	43.6	40.2	36.8	45.9	3.1	45.9	44.9	43.2	40.0	36.8	33.6
4250	72	56.9	3.4	1.9	—	—	—	—	—	53.6	3.4	—	—	—	—	—	—
	67	53.3	3.2	35.7	31.6	27.5	23.4	19.2	—	50.5	3.2	34.7	30.7	26.7	22.7	18.7	—
	62	49.1	3.0	49.1	49.1	49.1	45.0	40.9	36.7	45.4	3.0	45.4	45.4	45.4	41.4	37.4	33.4
	57	49.0	3.0	49.0	49.0	49.0	44.9	40.7	36.6	44.9	3.0	44.9	44.9	44.9	40.9	36.9	32.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 73: ZY12 reheat capacity (10 ton, 35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)						Total capacity[1] (MBh)	Total input[2] (kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
35°F										45°F							
2500	77	83.9	3.9	4.4	2.0	—	—	—	—	83.0	4.0	4.3	2.0	—	—	—	—
	72	79.7	3.8	14.0	11.6	9.2	6.8	—	—	76.7	3.9	7.6	5.9	4.2	2.6	—	—
	67	75.5	3.6	23.7	21.3	18.9	16.4	14.0	—	70.4	3.7	17.5	15.9	14.2	12.5	10.9	—
	62	67.7	3.5	34.6	32.2	29.8	27.4	25.0	22.6	62.1	3.6	28.2	26.5	24.9	23.2	21.5	19.9
3000	77	88.0	3.8	6.5	3.4	0.3	—	—	—	86.8	4.0	6.4	3.4	0.3	—	—	—
	72	83.6	3.7	19.3	16.2	13.0	9.9	—	—	80.3	3.8	10.7	8.3	5.9	3.6	—	—
	67	79.1	3.5	32.0	28.9	25.8	22.7	19.5	—	73.7	3.7	24.8	22.4	20.0	17.6	15.2	—
	62	71.0	3.5	46.6	43.5	40.4	37.2	34.1	31.0	65.0	3.5	39.8	37.4	35.0	32.6	30.2	27.9
	57	59.5	3.6	49.1	45.9	42.8	39.7	36.6	33.5	57.0	3.6	44.1	41.7	39.3	36.9	34.5	32.1
3500	77	92.1	3.7	8.7	4.8	1.0	—	—	—	90.7	3.9	8.5	4.8	1.0	—	—	—
	72	87.4	3.6	24.5	20.7	16.9	13.0	—	—	83.9	3.8	13.9	10.8	7.7	4.6	—	—
	67	82.8	3.5	40.4	36.5	32.7	28.9	25.1	—	77.0	3.6	32.0	28.9	25.8	22.7	19.6	—
	62	74.2	3.4	58.6	54.8	50.9	47.1	43.3	39.4	67.9	3.5	51.4	48.3	45.2	42.1	38.9	35.8
	57	62.2	3.5	57.0	55.4	53.9	50.0	46.2	42.4	59.5	3.5	53.1	51.9	50.7	47.6	44.4	41.3
4000	77	96.1	3.7	10.8	6.2	1.7	—	—	—	94.6	3.8	10.6	6.1	1.7	—	—	—
	72	91.3	3.5	29.8	25.2	20.7	16.1	—	—	87.4	3.7	17.1	13.2	9.4	5.6	—	—
	67	86.4	3.4	48.7	44.2	39.6	35.1	30.6	—	80.3	3.5	39.3	35.4	31.6	27.8	23.9	—
	62	77.5	3.3	70.6	66.1	61.5	57.0	52.4	47.9	70.8	3.4	63.0	59.2	55.3	51.5	47.7	43.8
	57	64.9	3.5	64.9	64.9	64.9	60.4	55.9	51.3	62.1	3.4	62.1	62.1	62.1	58.2	54.4	50.6
4500	72	89.7	3.6	23.2	24.8	26.4	27.9	—	—	88.3	3.7	18.9	14.6	10.4	6.1	—	—
	67	84.6	3.5	45.3	40.9	36.5	32.0	27.6	—	81.1	3.5	43.4	39.2	34.9	30.7	26.4	—
	62	76.9	3.4	40.5	37.8	30.8	32.4	34.0	35.6	71.4	3.4	67.6	65.4	61.1	56.9	52.6	48.4
	57	68.6	3.6	33.9	33.9	33.9	33.9	33.9	33.9	62.7	3.4	62.7	62.7	62.7	58.4	54.1	49.9
5000	72	93.0	3.8	21.6	16.7	11.9	3.6	—	—	89.1	3.7	20.7	16.0	11.4	6.7	—	—
	67	88.0	3.6	51.2	46.2	41.2	36.1	31.1	—	81.8	3.5	47.6	42.9	38.3	33.6	28.9	—
	62	79.0	3.6	79.0	78.4	73.3	68.2	63.1	58.0	72.1	3.4	72.1	71.6	67.0	62.3	57.6	52.9
	57	66.2	3.7	66.2	66.2	66.2	61.3	56.4	51.5	63.2	3.4	63.2	63.2	63.2	58.6	53.9	49.2
55°F										65°F							
2500	77	82.0	4.2	1.0	0.1	—	—	—	—	77.5	4.2	0.9	0.1	—	—	—	—
	72	73.7	4.0	1.1	0.2	—	—	—	—	68.9	4.0	1.0	0.1	—	—	—	—
	67	65.4	3.8	11.4	10.5	9.6	8.6	7.7	—	60.2	3.8	7.4	6.8	6.3	5.8	5.3	—
	62	56.4	3.6	21.8	20.9	20.0	19.0	18.1	17.2	51.8	3.6	14.7	14.2	13.7	13.1	12.6	12.1
3000	77	85.7	4.1	1.9	0.5	—	—	—	—	80.8	4.2	1.8	0.5	—	—	—	—
	72	77.0	3.9	2.2	0.5	—	—	—	—	71.7	4.0	2.0	0.5	—	—	—	—
	67	68.3	3.8	17.5	15.9	14.2	12.6	10.9	—	62.7	3.8	13.6	12.3	11.1	9.8	8.6	—
	62	59.0	3.6	33.0	31.3	29.7	28.0	26.4	24.7	54.0	3.6	26.8	25.5	24.3	23.0	21.8	20.5
	57	54.5	3.5	39.1	37.4	35.7	34.1	32.4	30.8	51.0	3.5	31.9	30.6	29.4	28.1	26.9	25.6
3500	77	89.3	4.1	2.9	0.8	—	—	—	—	84.0	4.1	2.8	0.8	—	—	—	—
	72	80.3	3.9	3.3	0.9	—	—	—	—	74.6	3.9	3.0	0.8	—	—	—	—
	67	71.2	3.7	23.7	21.3	18.9	16.5	14.1	—	65.2	3.7	19.8	17.8	15.8	13.8	11.8	—
	62	61.5	3.5	44.2	41.8	39.4	37.0	34.6	32.2	56.1	3.5	38.8	36.8	34.9	32.9	30.9	28.9
	57	56.8	3.5	49.1	48.3	47.5	45.1	42.7	40.3	53.0	3.5	43.5	42.8	42.2	40.2	38.3	36.3
4000	77	93.0	4.0	3.9	1.2	—	—	—	—	87.2	4.1	3.7	1.1	—	—	—	—
	72	83.6	3.9	4.3	1.2	—	—	—	—	77.5	3.9	4.0	1.1	—	—	—	—
	67	74.2	3.7	29.8	26.7	23.6	20.4	17.3	—	67.7	3.7	25.9	23.2	20.5	17.8	15.1	—
	62	64.1	3.5	55.4	52.2	49.1	46.0	42.9	39.8	58.3	3.5	50.9	48.2	45.5	42.8	40.0	37.3
	57	59.2	3.4	59.2	59.2	59.2	56.1	52.9	49.8	55.1	3.4	55.1	55.1	55.1	52.4	49.6	46.9
4500	72	129.1	3.7	14.6	4.5	—	—	—	—	122.3	3.9	13.8	4.3	—	—	—	—
	67	114.6	3.5	89.6	79.5	69.4	59.3	49.2	—	106.9	3.7	83.6	74.2	66.3	56.2	46.1	—
	62	98.9	3.3	94.6	93.0	91.5	81.4	71.3	61.2	92.0	3.5	88.3	86.9	85.5	75.4	65.3	55.2
	57	91.4	3.3	91.4	91.4	91.4	81.3	71.2	61.1	86.9	3.4	86.9	86.9	86.9	76.8	66.7	56.6
5000	72	174.7	3.6	24.8	7.8	—	—	—	—	167.2	3.9	23.8	7.4	—	—	—	—
	67	155.0	3.4	149.4	132.4	115.3	98.2	81.2	—	146.0	3.7	140.8	124.8	112.1	94.6	77.1	—
	62	133.8	3.2	133.8	133.8	133.8	116.8	99.7	82.6	125.6	3.5	125.6	125.6	125.6	108.1	90.6	73.2
	57	123.6	3.2	123.6	123.6	123.6	106.6	89.5	72.4	118.8	3.5	118.8	118.8	118.8	101.3	83.8	66.3

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 74: ZY12 reheat capacity (10 ton, 75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity [1](MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65	Total capacity[1](MBh)	Total input[2] (kW)	Sensible capacity (MBh) Return dry bulb (°F) 90	85	80	75	70	65
75°F										85°F							
2500	72	64.1	4.1	1.6	1.4	1.3	1.2	—	—	59.3	4.1	1.4	1.3	1.2	1.1	—	—
	67	55.0	3.8	3.3	3.2	3.1	3.0	2.9	—	49.9	3.9	3.0	2.9	2.8	2.7	0.4	—
	62	47.1	3.6	7.6	7.5	7.4	7.3	7.1	7.0	42.5	3.7	0.5	0.8	1.1	1.4	1.7	1.9
3000	72	66.5	4.0	1.6	1.4	—	—	—	—	61.3	4.0	1.5	1.3	—	—	—	—
	67	57.1	3.8	9.6	8.7	7.9	7.0	6.2	—	51.5	3.8	5.6	5.2	4.7	4.3	3.8	—
	62	48.9	3.6	20.5	19.7	18.8	18.0	17.2	16.3	43.9	3.6	14.3	13.9	13.4	13.0	12.6	12.1
	57	47.5	3.5	24.7	23.8	23.0	22.1	21.3	20.4	44.0	3.5	17.5	17.0	16.6	16.2	15.7	15.3
3500	72	68.9	4.0	11.6	9.1	—	—	—	—	63.3	4.0	10.6	8.4	—	—	—	—
	67	59.2	3.7	15.8	14.3	12.7	11.1	9.6	—	53.2	3.7	11.9	10.8	9.6	8.4	7.3	—
	62	50.7	3.5	33.5	31.9	30.3	28.8	27.2	25.6	45.3	3.5	28.1	26.9	25.8	24.6	23.5	22.3
	57	49.2	3.5	37.8	37.4	37.0	35.4	33.8	32.3	45.4	3.5	32.2	31.9	31.7	30.6	29.4	28.2
4000	72	71.4	3.9	19.1	14.9	—	—	—	—	65.2	3.9	17.5	13.6	—	—	—	—
	67	61.3	3.7	22.1	19.8	17.5	15.2	12.9	—	54.9	3.7	18.2	16.4	14.5	12.6	10.7	—
	62	52.5	3.5	46.4	44.1	41.8	39.5	37.2	34.9	46.7	3.5	41.9	40.0	38.1	36.3	34.4	32.5
	57	51.0	3.4	51.0	51.0	51.0	48.7	46.4	44.1	46.8	3.4	46.8	46.8	46.8	45.0	43.1	41.2
4500	72	115.5	4.1	30.9	15.7	—	—	—	—	108.7	4.3	29.1	14.7	—	—	—	—
	67	99.2	3.9	79.6	73.3	63.2	53.1	43.0	—	91.5	4.0	74.6	70.2	60.0	49.9	39.8	—
	62	85.0	3.7	81.9	80.8	79.6	69.5	59.4	49.3	78.0	3.8	75.6	74.6	73.7	63.6	53.5	43.3
	57	82.5	3.6	82.5	82.5	82.5	72.4	62.3	52.2	78.0	3.7	78.0	78.0	78.0	67.9	57.8	47.7
5000	72	159.7	4.3	42.7	16.4	—	—	—	—	152.2	4.6	40.7	15.6	—	—	—	—
	67	137.1	4.0	137.1	126.8	108.8	90.9	73.0	—	128.2	4.3	128.2	124.0	105.6	87.3	68.9	—
	62	117.4	3.8	117.4	117.4	117.4	99.5	81.6	63.7	109.3	4.1	109.3	109.3	109.3	90.9	72.6	54.2
	57	114.0	3.8	114.0	114.0	114.0	96.1	78.2	60.2	109.2	4.1	109.2	109.2	109.2	90.9	72.5	54.2

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

ZL04 to 14 reheat capacities

Table 75: ZL04 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
				Return dry bulb (°F)								Return dry bulb (°F)					
CFM	WB (°F)			90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
750	77	29.5	2.1	7.7	6.5	5.9	—	—	—	29.6	2.0	7.5	4.4	—	—	—	—
	72	28.2	2.0	12.0	11.2	10.4	9.6	—	—	27.9	1.9	12.5	10.0	9.3	8.0	—	—
	67	27.0	1.9	13.6	12.5	11.1	10.7	9.3	—	26.3	1.8	14.6	13.4	12.2	10.2	9.9	—
	62	26.3	1.8	15.8	14.3	13.6	12.1	10.8	9.7	22.3	1.8	15.6	15.6	13.4	12.1	11.4	10.9
900	77	26.4	2.0	8.1	7.2	6.7	—	—	—	27.9	1.8	8.0	4.6	—	—	—	—
	72	25.3	1.9	12.9	11.3	10.6	9.8	—	—	26.3	1.7	12.0	11.7	10.3	9.9	—	—
	67	24.2	1.8	13.8	13.0	12.5	11.3	10.4	—	24.8	1.6	16.4	14.0	13.5	12.8	11.7	—
	62	23.1	1.7	16.2	15.1	14.6	13.4	12.5	10.6	21.0	1.5	17.9	16.3	15.2	14.7	13.2	11.1
	57	20.8	1.6	18.2	16.9	15.8	14.1	13.0	11.1	19.6	1.4	19.6	19.6	19.6	16.2	14.7	12.3
1050	77	26.5	1.8	7.1	5.5	6.8	—	—	—	26.2	1.4	7.8	4.0	—	—	—	—
	72	25.5	1.7	13.2	12.4	11.7	10.3	—	—	24.7	1.4	13.4	12.9	11.3	10.8	—	—
	67	24.5	1.6	15.3	14.8	13.1	12.6	11.5	—	23.3	1.3	17.7	16.9	16.6	14.0	11.5	—
	62	22.0	1.6	18.0	17.1	16.5	14.4	13.2	11.5	19.7	1.2	19.7	19.1	18.3	15.7	13.2	11.6
	57	20.9	1.5	20.9	19.2	18.4	17.5	16.4	12.4	18.4	1.2	18.4	18.4	18.4	15.8	13.3	12.7
1200	77	25.8	1.6	6.9	5.1	4.2	—	—	—	27.2	1.9	6.1	4.5	—	—	—	—
	72	24.9	1.6	14.6	14.5	12.4	10.3	—	—	25.7	1.8	14.7	13.0	11.7	10.9	—	—
	67	23.9	1.6	16.9	18.7	16.7	14.6	12.5	—	24.2	1.7	16.0	14.3	12.6	11.0	9.3	—
	62	20.2	1.5	18.7	19.1	17.0	15.9	14.6	13.1	18.4	1.6	18.4	17.2	15.5	13.9	12.2	10.5
	57	18.4	1.5	20.4	20.4	20.4	18.5	16.5	14.4	17.2	1.6	17.2	17.2	17.2	15.5	13.8	12.1
1350	72	24.0	1.5	14.9	13.2	11.5	9.8	—	—	24.1	1.8	9.2	7.6	5.9	4.3	—	—
	67	23.2	1.6	17.1	15.4	13.7	12.0	10.3	—	22.7	1.7	15.0	13.4	11.8	10.2	8.6	—
	62	19.9	1.5	19.2	19.8	18.5	16.7	15.2	14.1	17.3	1.6	17.3	16.1	14.5	12.9	11.3	9.7
	57	18.0	1.5	20.3	20.9	20.5	19.1	18.3	15.0	16.1	1.6	16.1	16.1	16.1	14.4	12.8	11.2
1500	72	20.4	1.5	15.1	14.0	12.5	11.3	—	—	22.6	1.8	8.6	7.1	5.5	4.0	—	—
	67	19.8	1.5	17.6	15.6	14.8	13.5	11.6	—	21.3	1.7	14.1	12.5	11.0	9.4	7.9	—
	62	17.3	1.4	19.2	19.0	18.1	17.4	16.3	15.4	16.2	1.6	16.2	15.0	13.5	11.9	10.4	8.8
	57	15.6	1.4	19.8	19.8	19.1	18.9	17.8	15.5	15.1	1.5	15.1	15.1	14.9	13.4	11.8	10.3
		55°F								65°F							
750	72	21.7	2.1	1.9	1.0	—	—	—	—	19.2	2.2	—	—	—	—	—	—
	67	20.0	2.0	7.8	6.9	6.1	5.3	4.5	—	17.5	2.1	4.8	4.3	3.9	3.4	2.9	—
	62	18.3	1.8	13.8	12.9	12.1	11.3	10.5	9.6	15.1	1.9	9.2	8.7	8.2	7.7	7.2	6.7
900	72	22.4	2.1	2.2	1.2	—	—	—	—	19.7	2.2	—	—	—	—	—	—
	67	20.6	1.9	8.9	7.9	7.0	6.0	5.0	—	17.9	2.0	5.9	5.3	4.6	4.0	3.4	—
	62	18.9	1.8	15.7	14.8	13.8	12.8	11.8	10.8	15.4	1.9	11.3	10.7	10.0	9.4	8.8	8.1
	57	13.2	1.7	13.0	12.1	11.1	10.1	9.1	8.1	12.3	1.9	10.4	9.8	9.1	8.5	7.9	7.2
1050	72	23.1	2.1	2.5	1.4	—	—	—	—	20.1	2.2	—	—	—	—	—	—
	67	21.2	1.9	10.1	8.9	7.8	6.7	5.5	—	18.3	2.0	7.0	6.2	5.4	4.6	3.9	—
	62	19.4	1.8	17.7	16.6	15.5	14.3	13.2	12.1	15.8	1.9	13.4	12.6	11.8	11.1	10.3	9.5
	57	13.6	1.7	13.5	13.0	12.4	11.3	10.2	9.0	12.6	1.8	11.6	11.3	10.9	10.2	9.4	8.6
1200	72	23.7	2.1	2.9	1.6	—	—	—	—	20.6	2.1	—	—	—	—	—	—
	67	21.8	1.9	11.2	9.9	8.6	7.3	6.1	—	18.7	2.0	8.0	7.1	6.2	5.3	4.4	—
	62	20.0	1.7	19.7	18.4	17.1	15.8	14.5	13.3	16.2	1.8	15.5	14.5	13.6	12.7	11.8	10.9
	57	14.0	1.7	14.0	14.0	13.8	12.5	11.2	9.9	12.8	1.8	12.8	12.8	12.7	11.8	10.9	10.0
1350	72	24.3	2.0	3.4	1.9	—	—	—	—	20.8	2.1	—	—	—	—	—	—
	67	22.3	1.9	13.0	11.4	9.9	8.4	6.8	—	18.9	1.9	9.5	8.4	7.3	6.2	5.1	—
	62	20.4	1.7	20.3	19.6	19.0	17.5	15.9	14.4	16.3	1.8	16.0	15.5	15.1	14.0	12.9	11.7
	57	14.3	1.7	14.3	14.3	14.2	12.6	11.1	9.6	13.0	1.8	13.0	13.0	12.9	11.8	10.7	9.6
1500	72	24.8	2.0	3.9	2.2	0.4	—	—	—	21.0	2.1	—	—	—	—	—	—
	67	22.8	1.9	14.7	12.9	11.2	9.4	7.6	—	19.1	1.9	11.0	9.7	8.4	7.1	5.8	—
	62	20.9	1.7	20.9	20.9	20.9	19.1	17.3	15.6	16.5	1.8	16.5	16.5	16.5	15.2	13.9	12.6
	57	14.6	1.7	14.6	14.6	14.6	12.8	11.0	9.3	13.1	1.8	13.1	13.1	13.1	11.8	10.4	9.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 76: ZL04 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
CFM	WB (°F)	Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh) Return dry bulb (°F)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh) Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
750	72	16.7	2.4	—	—	—	—	—	—	14.2	2.5	—	—	—	—	—	—
	67	15.1	2.2	1.9	1.8	1.6	1.4	1.3	—	12.6	2.3	1.0	1.0	0.9	0.9	0.8	—
	62	11.9	2.1	4.6	4.5	4.3	4.1	4.0	3.8	8.6	2.2	2.1	2.1	2.2	2.4	2.3	2.2
900	67	15.3	2.1	2.9	2.6	2.3	2.0	1.7	—	12.6	2.2	—	—	—	—	—	—
	62	12.0	2.0	6.8	6.5	6.2	6.0	5.7	5.4	8.6	2.1	2.4	2.4	2.5	2.5	2.6	2.7
	57	11.4	2.0	7.8	7.5	7.2	6.9	6.6	6.3	10.5	2.1	5.1	5.2	5.3	5.3	5.4	5.4
1050	67	15.5	2.1	3.9	3.4	3.0	2.6	2.2	—	12.6	2.1	0.8	0.7	0.7	0.6	0.6	—
	62	12.2	2.0	9.0	8.6	8.2	7.8	7.4	7.0	8.5	2.1	4.7	4.6	4.6	4.5	4.5	4.4
	57	11.5	1.9	9.7	9.6	9.4	9.0	8.6	8.2	10.5	2.1	7.8	7.9	8.0	7.9	7.9	7.8
1200	67	15.7	2.0	4.8	4.3	3.8	3.2	2.7	—	12.6	2.1	1.6	1.5	1.3	1.2	1.0	—
	62	12.3	1.9	11.2	10.7	10.1	9.6	9.1	8.5	8.5	2.0	7.0	6.8	6.7	6.5	6.3	6.2
	57	11.7	1.9	11.7	11.7	11.7	11.2	10.6	10.1	10.5	2.0	10.5	10.5	10.5	10.5	10.3	10.2
1350	67	15.6	2.0	6.1	5.4	4.7	4.0	3.3	—	12.2	2.1	2.7	2.4	2.1	1.8	1.5	—
	62	12.3	1.9	11.7	11.4	11.2	10.5	9.8	9.1	8.2	2.0	7.4	7.3	7.3	7.0	6.7	6.4
	57	11.6	1.9	11.6	11.6	11.6	10.9	10.2	9.5	10.3	2.0	10.3	10.3	10.3	10.1	9.8	9.5
1500	67	15.5	2.0	7.4	6.5	5.6	4.8	3.9	—	11.9	2.0	3.7	3.3	2.9	2.5	2.1	—
	62	12.2	1.9	12.2	12.2	12.2	11.3	10.5	9.6	7.9	2.0	7.9	7.9	7.9	7.4	7.0	6.6
	57	11.6	1.9	11.6	11.6	11.6	10.7	9.8	9.0	10.1	2.0	10.1	10.1	10.1	9.7	9.3	8.8

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 77: ZL05 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1000	77	35.4	2.4	11.9	9.8	7.7	—	—	—	36.4	2.8	5.5	3.6	1.7	—	—	—
	72	35.7	2.4	16.4	14.3	12.1	10.0	—	—	35.2	2.7	11.8	9.9	8.1	6.2	—	—
	67	36.0	2.4	20.8	18.7	16.6	14.4	12.3	—	33.9	2.5	18.2	16.3	14.4	12.5	10.6	—
	62	35.9	2.3	26.7	24.7	22.5	20.4	18.3	16.1	32.3	2.4	25.0	23.1	21.2	19.3	17.4	15.5
1200	77	36.2	2.4	13.2	10.9	8.5	—	—	—	37.2	2.7	6.2	4.1	1.9	—	—	—
	72	36.5	2.3	18.4	16.1	13.7	11.4	—	—	36.0	2.6	13.3	11.2	9.1	6.9	—	—
	67	36.8	2.3	23.6	21.3	18.9	16.6	14.2	—	34.7	2.5	20.4	18.3	16.2	14.0	11.9	—
	62	36.7	2.3	30.5	28.1	25.8	23.4	21.1	18.7	33.0	2.4	28.1	26.0	23.8	21.7	19.6	17.4
	57	27.6	2.1	26.6	24.2	21.9	19.5	17.2	14.8	28.6	2.3	27.2	25.1	22.9	20.8	18.7	16.6
1400	77	37.1	2.3	14.6	12.0	9.4	—	—	—	38.0	2.7	6.9	4.5	2.2	—	—	—
	72	37.3	2.3	20.5	17.9	15.3	12.8	—	—	36.7	2.5	14.8	12.4	10.1	7.7	—	—
	67	37.6	2.3	26.4	23.8	21.3	18.7	16.1	—	35.4	2.4	22.7	20.3	18.0	15.6	13.2	—
	62	37.5	2.2	34.3	31.6	29.0	26.5	23.9	21.3	33.7	2.3	31.2	28.8	26.5	24.1	21.7	19.4
	57	28.3	2.1	27.7	26.5	24.7	22.1	19.6	17.0	29.2	2.2	28.5	27.5	25.5	23.1	20.8	18.4
1600	77	37.9	2.2	15.9	13.1	10.3	—	—	—	38.8	2.6	7.6	5.0	2.4	—	—	—
	72	38.1	2.2	22.5	19.7	16.9	14.1	—	—	37.5	2.5	16.3	13.7	11.1	8.5	—	—
	67	38.4	2.2	29.2	26.4	23.6	20.8	18.0	—	36.2	2.4	25.0	22.4	19.8	17.2	14.6	—
	62	38.4	2.2	38.1	35.1	32.3	29.5	26.7	23.9	34.5	2.3	34.3	31.7	29.1	26.5	23.9	21.3
	57	28.9	2.0	28.9	28.9	27.6	24.8	22.0	19.2	29.9	2.2	29.9	29.9	28.0	25.4	22.8	20.2
1800	72	35.1	2.1	21.0	18.5	15.9	13.4	—	—	36.2	2.4	16.0	13.4	10.8	8.2	—	—
	67	35.5	2.1	26.3	23.8	21.2	18.7	16.1	—	35.0	2.3	24.5	21.9	19.3	16.7	14.0	—
	62	35.6	2.1	35.5	32.1	28.6	26.1	23.5	20.9	33.3	2.2	33.2	31.0	28.4	25.8	23.1	20.5
	57	26.4	1.9	26.4	26.4	24.6	22.0	19.5	16.9	28.8	2.1	28.8	28.8	27.3	24.7	22.1	19.5
2000	72	32.0	2.0	19.5	17.2	14.9	12.6	—	—	34.9	2.4	15.8	13.1	10.5	7.9	—	—
	67	32.5	2.0	23.5	21.2	18.9	16.6	14.3	—	33.7	2.2	24.0	21.4	18.8	16.1	13.5	—
	62	32.8	2.0	32.8	29.2	24.9	22.6	20.3	18.0	32.1	2.1	32.1	30.3	27.6	25.0	22.4	19.8
	57	24.0	1.9	24.0	24.0	21.6	19.3	17.0	14.7	27.8	2.1	27.8	27.8	26.6	24.0	21.4	18.7
		55°F								65°F							
1000	72	34.6	2.9	7.3	5.6	4.0	2.3	—	—	31.1	3.1	3.9	2.7	1.5	—	—	—
	67	31.9	2.7	15.5	13.8	12.2	10.5	8.9	—	27.7	2.9	11.3	10.1	8.9	7.7	6.5	—
	62	28.7	2.5	23.3	21.5	19.8	18.2	16.5	14.9	24.1	2.8	18.2	16.9	15.7	14.4	13.2	12.0
1200	72	35.4	2.9	8.2	6.3	4.4	2.5	—	—	31.6	3.0	4.4	3.0	1.6	—	—	—
	67	32.6	2.6	17.3	15.3	13.4	11.5	9.6	—	28.2	2.8	12.8	11.4	9.9	8.5	7.1	—
	62	29.3	2.5	25.7	23.8	21.9	19.9	18.0	16.1	24.5	2.7	20.4	19.0	17.6	16.1	14.7	13.3
	57	29.6	2.4	27.9	25.9	24.0	22.1	20.2	18.3	24.3	2.7	22.5	21.1	19.6	18.2	16.8	15.4
1400	72	36.1	2.8	9.1	7.0	4.8	2.6	—	—	32.1	3.0	5.0	3.3	1.7	—	—	—
	67	33.3	2.6	19.0	16.9	14.7	12.5	10.4	—	28.6	2.8	14.3	12.6	11.0	9.4	7.7	—
	62	29.9	2.4	28.1	26.1	23.9	21.7	19.6	17.4	25.0	2.6	22.7	21.1	19.5	17.8	16.2	14.6
	57	30.2	2.4	29.3	28.4	26.3	24.1	21.9	19.8	24.7	2.6	23.8	23.1	21.8	20.1	18.5	16.9
1600	72	36.9	2.7	10.1	7.6	5.2	2.8	—	—	32.6	2.9	5.5	3.7	1.8	—	—	—
	67	34.0	2.5	20.8	18.4	15.9	13.5	11.1	—	29.1	2.7	15.7	13.9	12.1	10.2	8.4	—
	62	30.5	2.3	30.5	28.4	25.9	23.5	21.1	18.7	25.4	2.5	24.9	23.2	21.4	19.5	17.7	15.9
	57	30.8	2.3	30.8	30.8	28.5	26.1	23.7	21.3	25.2	2.5	25.2	25.2	23.9	22.1	20.2	18.4
1800	72	37.4	2.7	11.0	8.3	5.7	3.0	—	—	32.9	2.8	6.1	4.0	2.0	—	—	—
	67	34.4	2.5	22.7	20.0	17.3	14.6	11.9	—	29.4	2.6	17.3	15.3	13.2	11.2	9.1	—
	62	30.9	2.3	30.9	29.9	28.1	25.5	22.8	20.1	25.6	2.5	25.4	24.5	23.4	21.3	19.3	17.2
	57	31.2	2.3	31.2	31.2	30.1	27.4	24.7	22.0	25.4	2.5	25.4	25.4	24.8	22.7	20.7	18.6
2000	72	37.9	2.7	12.0	9.0	6.1	3.2	—	—	33.3	2.8	6.6	4.4	2.1	—	—	—
	67	34.9	2.5	24.5	21.6	18.7	15.7	12.8	—	29.7	2.6	19.0	16.7	14.4	12.1	9.9	—
	62	31.3	2.3	31.3	31.3	30.4	27.4	24.5	21.5	25.9	2.5	25.9	25.9	25.4	23.1	20.8	18.6
	57	31.6	2.3	31.6	31.6	31.6	28.7	25.8	22.8	25.6	2.4	25.6	25.6	25.6	23.4	21.1	18.8

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 78: ZL05 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1000	72	27.5	3.3	0.5	—	—	—	—	—	23.9	3.5	—	—	—	—	—	—
	67	23.5	3.1	7.2	6.4	5.6	4.8	4.0	—	19.2	3.3	3.0	2.7	2.3	2.0	1.6	—
	62	19.6	3.0	13.1	12.3	11.5	10.7	9.9	9.2	15.0	3.3	8.0	7.7	7.3	7.0	6.6	6.3
1200	72	27.8	3.2	0.6	—	—	—	—	—	24.0	3.4	—	—	—	—	—	—
	67	23.7	3.0	8.3	7.4	6.5	5.5	4.6	—	19.3	3.2	3.9	3.4	3.0	2.5	2.1	—
	62	19.8	2.9	15.1	14.2	13.3	12.3	11.4	10.4	15.0	3.1	9.9	9.4	9.0	8.5	8.1	7.6
	57	19.1	2.9	17.1	16.2	15.2	14.3	13.4	12.4	13.8	3.1	11.7	11.3	10.8	10.4	9.9	9.5
1400	72	28.1	3.1	0.8	—	—	—	—	—	24.1	3.3	—	—	—	—	—	—
	67	24.0	2.9	9.5	8.4	7.3	6.2	5.1	—	19.3	3.1	4.7	4.2	3.6	3.1	2.5	—
	62	20.0	2.8	17.2	16.1	15.0	13.9	12.8	11.7	15.0	3.0	11.8	11.1	10.6	10.0	9.5	8.9
	57	19.3	2.8	18.3	17.8	17.3	16.2	15.1	14.0	13.8	3.0	12.8	12.6	12.8	12.2	11.6	11.1
1600	72	28.4	3.0	0.9	—	—	—	—	—	24.2	3.1	—	—	—	—	—	—
	67	24.2	2.8	10.7	9.4	8.2	6.9	5.7	—	19.4	3.0	5.6	5.0	4.3	3.6	3.0	—
	62	20.2	2.7	19.3	18.0	16.8	15.5	14.3	13.0	15.0	2.9	13.6	12.9	12.2	11.5	10.9	10.2
	57	19.5	2.7	19.5	19.5	19.3	18.0	16.8	15.5	13.8	2.9	13.8	13.8	13.8	13.8	13.4	12.7
1800	72	28.5	2.9	1.1	—	—	—	—	—	24.1	3.1	—	—	—	—	—	—
	67	24.3	2.8	12.0	10.6	9.2	7.8	6.3	—	19.3	2.9	6.7	5.9	5.1	4.3	3.5	—
	62	20.3	2.7	19.8	19.2	18.6	17.2	15.7	14.3	15.0	2.8	14.3	13.9	13.8	13.0	12.2	11.4
	57	19.6	2.6	19.6	19.6	19.5	18.1	16.6	15.2	13.7	2.8	13.7	13.7	13.7	13.4	12.6	11.8
2000	72	28.6	2.9	1.3	—	—	—	—	—	24.0	3.0	—	—	—	—	—	—
	67	24.4	2.7	13.4	11.8	10.2	8.6	7.0	—	19.2	2.8	7.8	6.9	5.9	5.0	4.1	—
	62	20.4	2.6	20.4	20.4	20.4	18.8	17.2	15.6	14.9	2.8	14.9	14.9	14.9	14.5	13.6	12.6
	57	19.7	2.6	19.7	19.7	19.7	18.1	16.5	14.9	13.7	2.7	13.7	13.7	13.7	12.7	11.8	10.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 79: ZL06 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1250	77	38.0	3.5	5.2	3.7	2.3	—	—	—	38.3	3.6	—	—	—	—	—	—
	72	35.7	3.1	9.7	8.2	6.7	5.2	—	—	35.5	3.3	6.1	4.8	3.5	2.3	—	—
	67	33.4	2.7	14.1	12.6	11.1	9.6	8.1	—	32.8	3.0	12.3	11.0	9.8	8.5	7.3	—
	62	31.9	2.6	20.6	19.1	17.6	16.1	14.7	13.2	30.1	2.8	20.8	19.5	18.3	17.0	15.8	14.5
1500	77	38.1	3.4	5.7	4.0	2.4	—	—	—	38.9	3.5	—	—	—	—	—	—
	72	35.8	3.0	11.1	9.4	7.8	6.1	—	—	36.0	3.2	7.0	5.6	4.1	2.6	—	—
	67	33.5	2.6	16.5	14.8	13.2	11.5	9.8	—	33.2	2.9	14.3	12.8	11.4	9.9	8.4	—
	62	32.0	2.6	24.4	22.7	21.1	19.4	17.7	16.1	30.5	2.8	24.1	22.7	21.2	19.7	18.3	16.8
	57	28.0	2.5	24.4	22.7	21.1	19.4	17.7	16.1	28.0	2.7	25.4	24.0	22.5	21.1	19.6	18.1
1750	77	38.1	3.3	6.2	4.3	2.5	—	—	—	39.4	3.4	—	—	—	—	—	—
	72	35.9	2.9	12.5	10.7	8.9	7.0	—	—	36.6	3.1	8.0	6.3	4.7	3.0	—	—
	67	33.6	2.5	18.9	17.1	15.2	13.4	11.5	—	33.7	2.8	16.2	14.6	12.9	11.3	9.6	—
	62	32.1	2.5	28.2	26.3	24.5	22.7	20.8	19.0	31.0	2.7	27.5	25.8	24.1	22.5	20.8	19.2
	57	28.0	2.5	26.2	25.4	24.6	22.7	20.9	19.1	28.3	2.7	27.1	26.4	25.6	24.0	22.3	20.6
2000	77	38.2	3.2	6.7	4.6	2.6	—	—	—	39.9	3.4	—	—	—	—	—	—
	72	35.9	2.8	14.0	12.0	9.9	7.9	—	—	37.1	3.1	9.0	7.1	5.2	3.4	—	—
	67	33.6	2.4	21.3	19.3	17.3	15.3	13.2	—	34.2	2.8	18.2	16.4	14.5	12.6	10.8	—
	62	32.2	2.4	32.0	30.0	27.9	25.9	23.9	21.9	31.4	2.6	30.8	28.9	27.1	25.2	23.3	21.5
	57	28.1	2.4	28.1	28.1	28.1	26.1	24.0	22.0	28.7	2.6	28.7	28.7	28.7	26.9	25.0	23.2
2250	72	36.2	2.8	14.8	12.8	10.8	8.9	—	—	37.4	3.0	9.7	7.7	5.7	3.7	—	—
	67	33.9	2.4	21.8	19.8	17.9	15.9	13.9	—	34.5	2.7	19.9	17.9	15.8	13.8	11.8	—
	62	32.5	2.3	32.4	31.4	30.3	28.4	26.4	24.4	31.7	2.6	31.4	30.5	29.5	27.5	25.5	23.5
	57	28.3	2.3	28.3	28.3	28.3	26.4	24.4	22.4	29.0	2.6	29.0	29.0	29.0	27.0	25.0	23.0
2500	72	36.6	2.7	15.6	13.6	11.7	9.8	—	—	37.7	3.0	10.5	8.4	6.2	4.1	—	—
	67	34.2	2.4	22.3	20.4	18.5	16.5	14.6	—	34.8	2.7	21.5	19.4	17.2	15.1	12.9	—
	62	32.7	2.3	32.7	32.7	32.7	30.8	28.9	27.0	32.0	2.6	32.0	32.0	32.0	29.8	27.7	25.5
	57	28.6	2.3	28.6	28.6	28.6	26.7	24.7	22.8	29.3	2.5	29.3	29.3	29.3	27.1	25.0	22.8
		55°F								65°F							
1250	72	35.4	3.5	2.5	1.4	—	—	—	—	32.1	3.7	—	—	—	—	—	—
	67	32.1	3.3	10.5	9.5	8.4	7.4	6.4	—	28.3	3.5	6.8	6.2	5.5	4.9	4.2	—
	62	28.3	3.0	21.0	20.0	18.9	17.9	16.9	15.8	24.4	3.3	17.1	16.4	15.8	15.1	14.5	13.8
1500	72	36.3	3.4	3.0	1.7	0.4	—	—	—	32.5	3.6	—	—	—	—	—	—
	67	33.0	3.2	12.0	10.8	9.5	8.3	7.0	—	28.7	3.4	7.7	6.9	6.2	5.4	4.6	—
	62	29.1	3.0	23.9	22.6	21.4	20.1	18.8	17.6	24.7	3.2	19.0	18.2	17.4	16.7	15.9	15.1
	57	27.9	2.9	26.5	25.2	23.9	22.7	21.4	20.2	22.9	3.1	21.3	20.5	19.7	18.9	18.2	17.4
1750	72	37.3	3.4	3.5	2.0	0.5	—	—	—	32.8	3.5	—	—	—	—	—	—
	67	33.8	3.2	13.6	12.1	10.6	9.1	7.7	—	29.0	3.3	8.6	7.7	6.8	5.9	5.0	—
	62	29.9	2.9	26.7	25.3	23.8	22.3	20.8	19.3	25.0	3.1	20.9	20.0	19.1	18.2	17.3	16.4
	57	28.7	2.9	27.9	27.3	26.7	25.2	23.7	22.2	23.2	3.0	22.4	22.0	21.6	20.7	19.8	18.9
2000	72	38.2	3.3	3.9	2.2	0.5	—	—	—	33.2	3.5	—	—	—	—	—	—
	67	34.7	3.1	15.1	13.4	11.7	10.0	8.3	—	29.3	3.3	9.5	8.5	7.4	6.4	5.3	—
	62	30.6	2.9	29.6	27.9	26.2	24.5	22.8	21.1	25.3	3.1	22.8	21.8	20.8	19.7	18.7	17.6
	57	29.4	2.8	29.4	29.4	29.4	27.7	26.0	24.3	23.5	3.0	23.5	23.5	23.5	22.4	21.4	20.3
2250	72	38.6	3.3	4.7	2.7	0.6	—	—	—	33.3	3.4	—	—	—	—	—	—
	67	35.0	3.1	17.9	15.9	13.8	11.8	9.7	—	29.4	3.2	11.5	10.2	8.9	7.6	6.4	—
	62	30.9	2.9	30.4	29.6	28.7	26.7	24.6	22.6	25.4	3.0	24.2	23.6	23.1	21.8	20.6	19.3
	57	29.7	2.8	29.7	29.7	29.7	27.6	25.6	23.5	23.6	3.0	23.6	23.6	23.6	22.3	21.0	19.7
2500	72	38.9	3.2	5.5	3.1	0.7	—	—	—	33.4	3.4	—	—	—	—	—	—
	67	35.4	3.1	20.7	18.3	16.0	13.6	11.2	—	29.5	3.2	13.5	11.9	10.4	8.9	7.4	—
	62	31.2	2.8	31.2	31.2	31.2	28.8	26.4	24.0	25.5	3.0	25.5	25.5	25.5	24.0	22.4	20.9
	57	29.9	2.8	29.9	29.9	29.9	27.6	25.2	22.8	23.7	2.9	23.7	23.7	23.7	22.2	20.6	19.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 80: ZL06 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1250	72	28.9	3.9	—	—	—	—	—	—	25.7	4.1	—	—	—	—	—	—
	67	24.5	3.6	3.2	2.9	2.6	2.3	2.0	—	20.7	3.8	—	—	—	—	—	—
	62	20.4	3.5	13.2	12.9	12.7	12.4	12.1	11.8	16.5	3.7	9.3	9.4	9.5	9.6	9.7	9.8
1500	67	24.3	3.6	3.4	3.1	2.8	2.5	2.1	—	20.0	3.7	—	—	—	—	—	—
	62	20.3	3.4	14.2	13.9	13.5	13.2	12.9	12.6	15.9	3.6	9.3	9.5	9.6	9.8	9.9	10.1
	57	17.8	3.3	16.1	15.8	15.5	15.2	14.9	14.6	12.8	3.4	11.0	11.1	11.3	11.4	11.6	11.7
1750	67	24.1	3.5	3.7	3.3	3.0	2.6	2.3	—	19.3	3.6	—	—	—	—	—	—
	62	20.1	3.3	15.1	14.8	14.4	14.1	13.7	13.4	15.2	3.5	9.3	9.5	9.7	10.0	10.2	10.4
	57	17.7	3.2	16.8	16.7	16.5	16.2	15.8	15.5	12.2	3.3	11.3	11.4	11.4	11.7	11.9	12.1
2000	67	23.9	3.4	3.9	3.5	3.1	2.8	2.4	—	18.5	3.6	—	—	—	—	—	—
	62	19.9	3.3	16.1	15.7	15.3	14.9	14.6	14.2	14.6	3.4	9.3	9.6	9.9	10.1	10.4	10.7
	57	17.5	3.1	17.5	17.5	17.5	17.2	16.8	16.4	11.6	3.3	11.6	11.6	11.6	11.6	11.6	11.6
2250	67	23.8	3.4	5.0	4.5	4.0	3.5	3.0	—	18.2	3.5	—	—	—	—	—	—
	62	19.8	3.2	17.9	17.7	17.5	17.0	16.5	16.0	14.3	3.4	11.7	11.8	12.0	12.2	12.5	12.7
	57	17.5	3.1	17.5	17.5	17.5	16.9	16.4	15.9	11.3	3.2	11.3	11.3	11.3	11.3	11.3	11.3
2500	67	23.7	3.3	6.2	5.5	4.9	4.3	3.6	—	17.9	3.4	—	—	—	—	—	—
	62	19.8	3.2	19.8	19.8	19.8	19.1	18.5	17.8	14.0	3.3	14.0	14.0	14.0	14.0	14.0	14.0
	57	17.4	3.0	17.4	17.4	17.4	16.7	16.1	15.5	11.1	3.2	11.1	11.1	11.1	11.1	11.1	11.1

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 81: ZL08 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
1875	77	71.8	3.4	3.8	1.4	—	—	—	—	66.4	3.7	—	—	—	—	—	—
	72	64.5	3.2	13.2	10.8	8.4	6.0	—	—	59.7	3.6	7.8	6.1	4.5	2.8	—	—
	67	57.3	3.1	22.6	20.2	17.8	15.4	13.1	—	53.0	3.4	16.5	14.8	13.2	11.5	9.9	—
	62	50.0	3.3	30.3	27.9	25.5	23.1	20.7	18.3	46.3	3.4	24.6	22.9	21.3	19.6	18.0	16.3
2250	77	74.2	3.3	5.3	2.5	—	—	—	—	69.5	3.6	—	—	—	—	—	—
	72	66.8	3.2	16.3	13.5	10.7	8.0	—	—	62.5	3.5	10.0	7.9	5.7	3.6	—	—
	67	59.3	3.1	27.3	24.6	21.8	19.0	16.2	—	55.5	3.3	21.2	19.0	16.9	14.8	12.6	—
	62	51.7	3.3	36.1	33.3	30.5	27.7	24.9	22.1	48.5	3.3	31.6	29.4	27.3	25.1	23.0	20.9
	57	49.3	3.1	44.2	41.4	38.6	35.8	33.0	30.3	44.7	3.2	37.7	35.5	33.4	31.3	29.1	27.0
2625	77	76.7	3.3	6.8	3.6	—	—	—	—	72.5	3.5	—	—	—	—	—	—
	72	69.0	3.1	19.4	16.2	13.1	9.9	—	—	65.2	3.4	12.2	9.6	7.0	4.4	—	—
	67	61.3	3.0	32.0	28.9	25.7	22.5	19.4	—	57.9	3.2	25.9	23.2	20.6	18.0	15.4	—
	62	53.4	3.2	41.8	38.6	35.5	32.3	29.1	25.9	50.6	3.2	38.6	35.9	33.3	30.7	28.0	25.4
	57	51.0	3.1	48.4	47.0	45.1	41.9	38.7	35.6	46.7	3.1	43.2	42.1	40.7	38.1	35.5	32.9
3000	77	79.2	3.2	8.3	4.7	1.1	—	—	—	75.6	3.4	—	—	—	—	—	—
	72	71.2	3.1	22.5	18.9	15.4	11.8	—	—	68.0	3.3	14.5	11.4	8.2	5.1	—	—
	67	63.3	3.0	36.8	33.2	29.6	26.1	22.5	—	60.4	3.1	30.6	27.5	24.3	21.2	18.1	—
	62	55.1	3.1	47.6	44.0	40.5	36.9	33.3	29.8	52.7	3.1	45.5	42.4	39.3	36.2	33.1	29.9
	57	52.7	3.0	52.7	52.7	51.5	48.0	44.4	40.9	48.7	3.0	48.7	48.7	48.1	45.0	41.9	38.7
3375	72	74.1	3.1	25.2	21.4	17.6	13.8	—	—	70.5	3.2	16.4	12.9	9.4	5.9	—	—
	67	65.8	2.9	41.4	37.6	33.8	30.0	26.2	—	62.6	3.1	34.8	31.3	27.8	24.3	20.8	—
	62	57.4	3.1	53.6	49.9	46.1	42.3	38.5	34.6	54.7	3.1	51.1	48.4	44.9	41.4	37.9	34.4
	57	54.8	3.0	54.8	54.8	54.2	50.4	46.6	42.8	50.5	3.0	50.5	50.5	50.2	46.7	43.2	39.7
3750	72	77.0	3.0	27.9	23.9	19.8	15.7	—	—	73.0	3.2	18.4	14.5	10.6	6.7	—	—
	67	68.4	2.9	46.1	42.0	38.0	33.9	29.8	—	64.8	3.0	39.1	35.2	31.3	27.4	23.6	—
	62	59.6	3.1	59.6	55.8	51.7	47.7	43.6	39.5	56.6	3.0	56.6	54.5	50.6	46.7	42.8	38.9
	57	56.9	2.9	56.9	56.9	56.9	52.9	48.8	44.7	52.3	3.0	52.3	52.3	52.3	48.4	44.5	40.6
		55°F								65°F							
1875	72	54.9	3.9	2.3	1.4	0.5	—	—	—	50.6	4.0	0.7	—	—	—	—	—
	67	48.7	3.8	10.3	9.4	8.5	7.6	6.7	—	44.4	3.8	6.8	6.3	5.7	5.2	4.6	—
	62	42.7	3.5	18.9	18.0	17.0	16.1	15.2	14.3	38.5	3.6	13.0	12.5	11.9	11.4	10.8	10.3
2250	72	58.2	3.8	3.7	2.2	0.7	—	—	—	53.6	3.8	1.1	—	—	—	—	—
	67	51.6	3.6	15.0	13.5	12.0	10.5	9.0	—	47.1	3.6	11.6	10.5	9.4	8.2	7.1	—
	62	45.2	3.4	27.1	25.6	24.1	22.6	21.1	19.6	40.7	3.4	22.0	20.9	19.7	18.6	17.5	16.3
	57	40.1	3.4	31.2	29.7	28.2	26.7	25.2	23.7	37.6	3.4	25.6	24.5	23.3	22.2	21.0	19.9
2625	72	61.5	3.6	5.1	3.0	0.9	—	—	—	56.6	3.7	1.6	—	—	—	—	—
	67	54.6	3.5	19.7	17.6	15.5	13.5	11.4	—	49.7	3.5	16.5	14.7	13.0	11.2	9.5	—
	62	47.8	3.2	35.3	33.2	31.1	29.0	26.9	24.9	43.0	3.3	31.0	29.3	27.5	25.8	24.1	22.3
	57	42.4	3.2	37.9	37.2	36.4	34.3	32.3	30.2	39.7	3.2	33.7	33.1	32.6	30.8	29.1	27.3
3000	72	64.7	3.5	6.5	3.8	1.1	—	—	—	59.7	3.5	2.1	—	—	—	—	—
	67	57.5	3.3	24.4	21.7	19.1	16.4	13.7	—	52.4	3.3	21.3	18.9	16.6	14.2	11.9	—
	62	50.4	3.1	43.5	40.8	38.2	35.5	32.8	30.1	45.3	3.1	40.0	37.7	35.4	33.0	30.7	28.3
	57	44.7	3.1	44.7	44.7	44.7	42.0	39.3	36.6	41.8	3.1	41.8	41.8	41.8	39.5	37.1	34.8
3375	72	66.9	3.4	7.7	4.5	1.3	—	—	—	61.6	3.4	2.4	—	—	—	—	—
	67	59.4	3.2	28.2	25.1	21.9	18.7	15.5	—	54.1	3.2	25.9	22.9	20.0	17.1	14.1	—
	62	52.0	3.0	48.6	47.0	43.8	40.6	37.4	34.2	46.8	3.0	44.2	42.9	40.8	37.8	34.9	32.0
	57	46.1	3.0	46.1	46.1	46.1	42.9	39.7	36.6	43.2	3.0	43.2	43.2	43.2	40.3	37.3	34.4
3750	72	69.0	3.3	8.9	5.1	1.4	—	—	—	63.6	3.4	2.8	—	—	—	—	—
	67	61.3	3.2	32.1	28.4	24.7	21.0	17.3	—	55.8	3.2	30.5	27.0	23.4	19.9	16.4	—
	62	53.7	3.0	53.7	53.1	49.4	45.7	42.0	38.3	48.3	3.0	48.3	48.0	46.2	42.7	39.1	35.6
	57	47.6	3.0	47.6	47.6	47.6	43.9	40.2	36.5	44.6	2.9	44.6	44.6	44.6	41.0	37.5	34.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 82: ZL08 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
1875	72	46.3	4.1	1.0	0.5	—	—	—	—	42.0	4.2	1.3	0.9	—	—	—	—
	67	40.1	3.8	3.3	3.1	3.0	2.8	2.6	—	35.8	3.8	1.8	1.5	1.1	1.0	0.5	—
	62	34.2	3.6	7.2	7.0	6.8	6.6	6.4	6.3	30.0	3.6	2.2	2.0	1.9	1.7	1.5	1.3
2250	72	49.1	3.9	1.8	0.6	—	—	—	—	44.5	4.0	2.5	1.6	—	—	—	—
	67	42.5	3.6	8.3	7.5	6.7	5.9	5.1	—	37.9	3.7	4.9	4.4	4.0	3.6	3.1	—
	62	36.3	3.4	17.0	16.2	15.4	14.6	13.8	13.0	31.8	3.4	11.9	11.5	11.0	10.6	10.2	9.7
	57	35.0	3.4	20.0	19.2	18.4	17.6	16.9	16.1	32.5	3.4	14.4	14.0	13.6	13.1	12.7	12.2
2625	72	51.8	3.7	2.7	0.8	—	—	—	—	47.0	3.8	4.2	2.9	—	—	—	—
	67	44.9	3.5	13.2	11.8	10.4	9.0	7.6	—	40.0	3.5	9.9	8.9	7.8	6.8	5.7	—
	62	38.3	3.3	26.8	25.4	24.0	22.6	21.2	19.8	33.5	3.3	22.5	21.5	20.4	19.4	18.3	17.2
	57	37.0	3.2	29.5	29.1	28.7	27.3	25.9	24.5	34.3	3.2	25.3	25.1	24.9	23.8	22.7	21.7
3000	72	54.6	3.6	3.5	1.1	—	—	—	—	49.5	3.6	6.8	3.7	—	—	—	—
	67	47.3	3.3	18.1	16.1	14.1	12.1	10.1	—	42.2	3.3	15.0	13.3	11.7	10.0	8.3	—
	62	40.3	3.1	36.6	34.6	32.6	30.6	28.5	26.5	35.3	3.1	33.1	31.4	29.8	28.1	26.4	24.7
	57	39.0	3.1	39.0	39.0	39.0	37.0	35.0	33.0	36.2	3.1	36.2	36.2	36.2	34.5	32.8	31.1
3375	72	56.4	3.5	4.8	1.5	—	—	—	—	51.1	3.5	9.3	5.5	—	—	—	—
	67	48.8	3.2	23.5	20.8	18.2	15.5	12.8	—	43.5	3.2	21.1	18.7	16.3	13.9	11.5	—
	62	41.6	3.0	39.8	38.8	37.8	35.1	32.4	29.7	36.5	3.0	35.4	34.7	34.7	32.3	29.9	27.5
	57	40.3	3.0	40.3	40.3	40.3	37.6	34.9	32.2	37.3	3.0	37.3	37.3	37.3	34.9	32.5	30.1
3750	72	58.1	3.4	6.1	1.9	—	—	—	—	52.7	3.4	13.9	8.6	—	—	—	—
	67	50.3	3.2	28.9	25.5	22.2	18.8	15.5	—	44.9	3.2	27.2	24.1	20.9	17.8	14.6	—
	62	43.0	3.0	43.0	43.0	43.0	39.6	36.3	32.9	37.6	3.0	37.6	37.6	37.6	36.6	33.4	30.3
	57	41.5	2.9	41.5	41.5	41.5	38.2	34.9	31.5	38.5	2.9	38.5	38.5	38.5	35.3	32.2	29.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 83: ZL09 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
2125	77	86.6	3.2	10.8	7.3	3.8	—	—	—	81.7	3.6	2.5	—	—	—	—	—
	72	78.8	3.1	22.1	18.6	15.1	11.6	—	—	73.9	3.4	13.9	11.4	8.9	6.4	—	—
	67	71.0	3.1	33.3	29.8	26.3	22.8	19.3	—	66.0	3.3	25.3	22.7	20.2	17.7	15.2	—
	62	61.9	3.3	41.1	37.6	34.1	30.6	27.1	23.6	57.3	3.3	33.8	31.3	28.8	26.3	23.8	21.3
2550	77	89.0	3.1	12.9	9.2	5.5	—	—	—	85.1	3.5	3.0	—	—	—	—	—
	72	81.0	3.1	25.0	21.3	17.5	13.8	—	—	76.9	3.3	16.5	13.5	10.5	7.5	—	—
	67	73.0	3.1	37.1	33.3	29.6	25.9	22.2	—	68.7	3.2	30.0	27.0	24.0	21.0	18.0	—
	62	63.7	3.3	45.1	41.4	37.7	34.0	30.2	26.5	59.7	3.3	40.1	37.1	34.1	31.1	28.1	25.1
	57	62.3	3.1	58.4	54.6	50.9	47.2	43.5	39.7	55.4	3.1	49.7	46.8	43.8	40.8	37.8	34.8
2975	77	91.5	3.0	15.1	11.1	7.2	—	—	—	88.4	3.4	3.5	—	—	—	—	—
	72	83.3	3.0	27.9	24.0	20.0	16.1	—	—	79.9	3.3	19.1	15.6	12.2	8.7	—	—
	67	75.1	3.0	40.8	36.8	32.9	28.9	25.0	—	71.4	3.1	34.7	31.2	27.7	24.3	20.8	—
	62	65.5	3.2	49.2	45.3	41.3	37.4	33.4	29.5	62.0	3.2	46.4	42.9	39.5	36.0	32.5	29.0
	57	64.1	3.1	62.1	60.3	56.1	52.2	48.2	44.3	57.5	3.1	54.7	53.2	50.6	47.1	43.7	40.2
3400	77	93.9	3.0	17.2	13.0	8.9	—	—	—	91.7	3.3	4.0	—	—	—	—	—
	72	85.5	3.0	30.8	26.7	22.5	18.3	—	—	82.9	3.2	21.7	17.8	13.8	9.9	—	—
	67	77.1	2.9	44.5	40.3	36.1	32.0	27.8	—	74.1	3.1	39.4	35.5	31.5	27.5	23.6	—
	62	67.3	3.1	53.3	49.1	44.9	40.8	36.6	32.4	64.3	3.1	52.7	48.7	44.8	40.8	36.9	32.9
	57	65.9	3.0	65.9	65.9	61.4	57.2	53.0	48.9	59.7	3.0	59.7	59.7	57.5	53.5	49.5	45.6
3825	72	92.3	2.9	34.8	30.3	25.8	21.3	—	—	88.1	3.1	24.8	20.3	15.9	11.4	—	—
	67	83.2	2.9	50.2	45.7	41.2	36.7	32.2	—	78.7	3.0	45.1	40.7	36.2	31.7	27.3	—
	62	72.6	3.1	61.3	55.6	51.1	46.6	42.1	37.6	68.3	3.0	60.4	55.9	51.5	47.0	42.5	38.1
	57	71.0	3.0	71.0	71.0	68.7	64.2	59.7	55.2	63.4	2.9	63.4	63.4	62.3	57.8	53.4	48.9
4250	72	99.1	2.9	38.7	33.9	29.1	24.3	—	—	93.3	3.1	27.9	22.9	17.9	13.0	—	—
	67	89.3	2.8	55.9	51.1	46.3	41.5	36.6	—	83.3	3.0	50.8	45.8	40.9	35.9	30.9	—
	62	77.9	3.0	69.3	62.1	57.3	52.5	47.7	42.8	72.4	3.0	68.1	63.1	58.1	53.1	48.2	43.2
	57	76.1	2.9	76.1	76.1	76.1	71.3	66.4	61.6	67.2	2.9	67.2	67.2	67.2	62.2	57.2	52.2
		55°F								65°F							
2125	72	69.0	3.7	5.7	4.2	2.7	1.2	—	—	64.1	3.8	3.5	2.3	1.0	—	—	—
	67	61.0	3.5	17.2	15.6	14.1	12.6	11.1	—	55.7	3.5	14.0	12.7	11.5	10.3	9.0	—
	62	52.7	3.3	26.5	25.0	23.5	22.0	20.5	19.0	47.3	3.4	22.4	21.2	20.0	18.7	17.5	16.3
2550	72	72.8	3.6	8.0	5.8	3.5	1.3	—	—	67.3	3.6	5.1	3.2	1.3	—	—	—
	67	64.4	3.4	22.9	20.6	18.4	16.1	13.9	—	58.5	3.4	19.2	17.3	15.4	13.5	11.6	—
	62	55.6	3.2	35.1	32.8	30.5	28.3	26.0	23.8	49.7	3.3	30.6	28.7	26.8	24.9	23.1	21.2
	57	48.5	3.1	41.1	38.9	36.6	34.4	32.1	29.8	45.3	3.2	36.5	34.6	32.7	30.8	28.9	27.0
2975	72	76.5	3.5	10.3	7.3	4.3	1.3	—	—	70.5	3.5	6.7	4.1	1.6	—	—	—
	67	67.7	3.3	28.6	25.6	22.6	19.6	16.6	—	61.3	3.3	24.4	21.9	19.3	16.8	14.2	—
	62	58.5	3.1	43.6	40.6	37.6	34.6	31.6	28.6	52.0	3.2	38.8	36.2	33.7	31.1	28.6	26.0
	57	51.0	3.0	47.3	46.2	45.1	42.1	39.1	36.1	47.5	3.1	43.0	42.1	41.0	38.5	36.0	33.4
3400	72	80.3	3.4	12.6	8.9	5.1	1.4	—	—	73.7	3.4	8.3	5.1	1.9	—	—	—
	67	71.1	3.2	34.4	30.6	26.9	23.1	19.4	—	64.0	3.2	29.6	26.4	23.2	20.0	16.8	—
	62	61.4	3.0	52.1	48.4	44.6	40.9	37.1	33.4	54.4	3.1	47.0	43.8	40.5	37.3	34.1	30.9
	57	53.5	3.0	53.5	53.5	53.5	49.8	46.0	42.3	49.6	3.0	49.6	49.6	49.4	46.2	43.0	39.8
3825	72	83.9	3.4	14.8	10.4	5.9	1.5	—	—	76.9	3.4	10.0	6.0	2.1	—	—	—
	67	74.2	3.1	40.0	35.6	31.2	26.7	22.3	—	66.8	3.1	35.7	31.8	27.8	23.9	19.9	—
	62	64.1	3.0	59.5	56.2	51.8	47.3	42.9	38.5	56.8	3.0	53.1	50.8	47.9	43.9	40.0	36.1
	57	55.9	2.9	55.9	55.9	55.9	51.4	47.0	42.6	51.8	2.9	51.8	51.8	51.7	47.7	43.8	39.9
4250	72	87.4	3.3	17.0	11.9	6.8	1.6	—	—	80.1	3.3	11.7	7.0	2.3	—	—	—
	67	77.3	3.1	45.7	40.6	35.5	30.3	25.2	—	69.6	3.1	41.8	37.1	32.4	27.7	23.1	—
	62	66.8	2.9	66.8	64.1	58.9	53.8	48.7	43.6	59.1	3.0	59.1	57.8	55.2	50.5	45.9	41.2
	57	58.2	2.9	58.2	58.2	58.2	53.1	48.0	42.9	54.0	2.9	54.0	54.0	54.0	49.3	44.6	39.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 84: ZL09 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2125	72	59.2	3.8	1.3	—	—	—	—	—	54.4	3.8	—	—	—	—	—	—
	67	50.4	3.6	10.7	9.8	8.8	7.9	7.0	—	45.0	3.6	7.5	6.9	6.2	5.5	4.9	—
	62	41.9	3.5	18.3	17.4	16.4	15.5	14.6	13.6	36.5	3.5	14.3	13.6	12.9	12.3	11.6	10.9
2550	72	61.8	3.7	2.2	0.6	—	—	—	—	56.4	3.7	—	—	—	—	—	—
	67	52.6	3.5	15.5	14.0	12.4	10.9	9.4	—	46.7	3.5	11.8	10.6	9.5	8.3	7.2	—
	62	43.7	3.4	26.2	24.6	23.1	21.6	20.1	18.6	37.8	3.4	21.7	20.6	19.4	18.3	17.1	16.0
	57	42.2	3.3	31.8	30.2	28.7	27.2	25.7	24.2	39.0	3.3	27.1	25.9	24.8	23.6	22.5	21.3
2975	72	64.4	3.6	3.0	0.9	—	—	—	—	58.4	3.6	—	—	—	—	—	—
	67	54.8	3.3	20.2	18.1	16.0	13.9	11.8	—	48.3	3.4	16.0	14.4	12.7	11.1	9.5	—
	62	45.6	3.2	34.0	31.9	29.8	27.7	25.6	23.5	39.1	3.3	29.2	27.5	25.9	24.3	22.6	21.0
	57	44.0	3.2	38.8	38.0	37.0	34.9	32.8	30.7	40.4	3.2	34.5	33.9	33.0	31.4	29.7	28.1
3400	72	67.1	3.4	3.9	1.3	—	—	—	—	60.4	3.5	—	—	—	—	—	—
	67	57.0	3.2	24.9	22.3	19.6	16.9	14.3	—	50.0	3.3	20.2	18.1	16.0	13.9	11.7	—
	62	47.4	3.1	41.8	39.1	36.5	33.8	31.1	28.5	40.4	3.2	36.6	34.5	32.4	30.3	28.1	26.0
	57	45.7	3.1	45.7	45.7	45.3	42.6	40.0	37.3	41.9	3.1	41.9	41.9	41.2	39.1	37.0	34.8
3825	72	69.9	3.4	5.2	1.7	—	—	—	—	63.0	3.4	—	—	—	—	—	—
	67	59.5	3.2	31.4	27.9	24.5	21.0	17.6	—	52.1	3.2	27.1	24.1	21.1	18.2	15.2	—
	62	49.5	3.1	46.7	45.3	44.0	40.5	37.1	33.6	42.2	3.1	40.2	39.9	40.1	37.1	34.2	31.2
	57	47.7	3.0	47.7	47.7	47.5	44.0	40.6	37.1	43.6	3.0	43.6	43.6	43.3	40.3	37.4	34.4
4250	72	72.8	3.3	6.4	2.1	—	—	—	—	65.6	3.3	1.1	—	—	—	—	—
	67	61.9	3.1	37.8	33.6	29.4	25.1	20.9	—	54.2	3.1	33.9	30.1	26.3	22.5	18.7	—
	62	51.5	3.0	51.5	51.5	51.5	47.3	43.0	38.8	43.9	3.0	43.9	43.9	43.9	43.9	40.2	36.4
	57	49.7	2.9	49.7	49.7	49.7	45.4	41.2	37.0	45.4	2.9	45.4	45.4	45.4	41.6	37.8	34.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 85: ZL12 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
2500	77	78.5	4.7	3.7	2.9	2.1	—	—	—	78.1	4.6	—	—	—	—	—	—
	72	75.0	4.6	7.6	6.7	5.9	5.1	—	—	73.9	4.4	2.7	1.9	1.0	—	—	—
	67	71.4	4.5	11.4	10.6	9.7	8.9	8.1	—	69.7	4.3	11.6	10.7	9.8	8.9	8.0	—
	62	67.4	4.9	16.2	15.4	14.6	13.8	13.0	12.2	64.6	4.4	20.2	19.3	18.4	17.5	16.7	15.8
3000	77	81.0	4.3	3.4	1.6	—	—	—	—	79.9	4.4	—	—	—	—	—	—
	72	77.3	4.2	11.9	10.2	8.4	6.6	—	—	75.6	4.2	4.7	3.1	1.5	—	—	—
	67	73.6	4.1	20.5	18.7	17.0	15.2	13.4	—	71.3	4.0	18.4	16.8	15.2	13.6	12.0	—
	62	69.4	4.5	30.4	28.6	26.8	25.1	23.3	21.6	66.1	4.2	31.7	30.1	28.5	26.9	25.3	23.7
	57	60.3	4.6	36.9	35.1	33.3	31.6	29.8	28.1	58.4	4.2	38.9	37.3	35.7	34.1	32.5	30.9
3500	77	83.4	3.9	3.0	—	—	—	—	—	81.7	4.1	—	—	—	—	—	—
	72	79.6	3.8	16.3	13.6	10.9	8.2	—	—	77.3	4.0	6.7	4.4	2.0	—	—	—
	67	75.7	3.8	29.6	26.9	24.2	21.5	18.8	—	72.9	3.8	25.2	22.9	20.5	18.2	15.9	—
	62	71.5	4.2	44.5	41.8	39.1	36.4	33.7	31.0	67.5	3.9	43.3	40.9	38.6	36.3	34.0	31.6
	57	62.1	4.2	50.4	49.5	48.6	45.9	43.2	40.5	59.6	4.0	49.9	49.1	48.3	46.0	43.6	41.3
4000	77	85.8	3.5	2.7	—	—	—	—	—	83.4	3.9	—	—	—	—	—	—
	72	81.9	3.5	20.7	17.0	13.4	9.7	—	—	78.9	3.8	8.7	5.6	2.6	—	—	—
	67	77.9	3.4	38.7	35.1	31.4	27.8	24.1	—	74.4	3.6	32.0	29.0	25.9	22.9	19.8	—
	62	73.5	3.8	58.6	55.0	51.3	47.7	44.0	40.4	69.0	3.7	54.8	51.8	48.7	45.7	42.6	39.6
	57	63.9	3.8	63.9	63.9	63.9	60.2	56.5	52.9	60.9	3.8	60.9	60.9	60.9	57.9	54.8	51.8
4500	72	83.0	3.4	23.8	19.7	15.7	11.7	—	—	80.3	3.7	9.9	6.5	3.0	—	—	—
	67	79.0	3.4	44.6	40.6	36.5	32.5	28.5	—	75.7	3.6	37.2	33.8	30.3	26.9	23.4	—
	62	74.6	3.8	67.1	63.6	59.6	55.6	51.6	47.5	70.2	3.7	63.1	60.5	57.0	53.5	50.1	46.6
	57	64.7	3.8	64.7	64.7	64.7	60.7	56.7	52.7	62.0	3.7	62.0	62.0	62.0	58.5	55.1	51.6
5000	72	84.2	3.4	26.9	22.5	18.1	13.7	—	—	81.7	3.7	11.2	7.3	3.5	—	—	—
	67	80.1	3.3	50.5	46.1	41.7	37.3	32.9	—	77.1	3.6	42.5	38.6	34.7	30.8	27.0	—
	62	75.6	3.7	75.6	72.3	67.9	63.5	59.1	54.7	71.4	3.7	71.4	69.1	65.3	61.4	57.5	53.6
	57	65.6	3.7	65.6	65.6	65.6	61.3	56.9	52.5	63.1	3.7	63.1	63.1	63.1	59.2	55.3	51.4
		55°F								65°F							
2500	72	72.9	4.3	—	—	—	—	—	—	68.8	4.3	—	—	—	—	—	—
	67	68.1	4.0	11.8	10.8	9.9	8.9	7.9	—	62.5	4.0	7.6	7.0	6.5	5.9	5.3	—
	62	61.9	3.8	24.2	23.2	22.3	21.3	20.3	19.4	55.1	3.8	16.6	16.0	15.5	14.9	14.4	13.8
3000	72	73.9	4.2	—	—	—	—	—	—	70.2	4.2	—	—	—	—	—	—
	67	69.0	4.0	16.3	14.8	13.4	11.9	10.5	—	63.8	4.0	12.2	11.1	10.1	9.0	8.0	—
	62	62.7	3.8	33.1	31.7	30.2	28.8	27.3	25.9	56.2	3.8	26.9	25.8	24.8	23.7	22.7	21.6
	57	56.4	3.8	40.9	39.4	38.0	36.5	35.1	33.6	50.9	3.8	32.5	31.5	30.4	29.3	28.3	27.2
3500	72	75.0	4.1	—	—	—	—	—	—	71.7	4.2	—	—	—	—	—	—
	67	70.0	3.9	20.8	18.8	16.9	15.0	13.0	—	65.1	3.9	16.8	15.3	13.7	12.1	10.6	—
	62	63.6	3.7	42.0	40.1	38.2	36.2	34.3	32.3	57.4	3.7	37.2	35.6	34.1	32.5	31.0	29.4
	57	57.2	3.7	49.4	48.7	48.0	46.0	44.1	42.2	51.9	3.7	42.7	42.2	41.7	40.1	38.6	37.0
4000	72	76.0	4.1	—	—	—	—	—	—	73.1	4.1	—	—	—	—	—	—
	67	71.0	3.9	25.3	22.9	20.4	18.0	15.6	—	66.4	3.8	21.4	19.4	17.3	15.2	13.2	—
	62	64.5	3.7	51.0	48.6	46.1	43.7	41.2	38.8	58.5	3.7	47.5	45.5	43.4	41.3	39.3	37.2
	57	58.0	3.7	58.0	58.0	58.0	55.6	53.1	50.7	52.9	3.7	52.9	52.9	52.9	50.9	48.8	46.8
4500	72	77.6	4.1	—	—	—	—	—	—	74.0	4.1	—	—	—	—	—	—
	67	72.5	3.8	29.9	27.0	24.1	21.2	18.3	—	67.2	3.8	26.8	24.2	21.6	19.0	16.4	—
	62	65.9	3.6	59.1	57.3	54.4	51.5	48.6	45.7	59.3	3.6	53.8	52.4	50.6	48.0	45.4	42.8
	57	59.2	3.7	59.2	59.2	59.2	56.3	53.4	50.5	53.7	3.7	53.7	53.7	53.7	51.0	48.4	45.8
5000	72	79.2	4.0	—	—	—	—	—	—	75.0	4.0	—	—	—	—	—	—
	67	74.0	3.8	34.5	31.1	27.7	24.4	21.0	—	68.1	3.8	32.2	29.0	25.9	22.7	19.6	—
	62	67.2	3.6	67.2	66.0	62.6	59.3	55.9	52.5	60.1	3.6	60.1	59.4	57.8	54.6	51.5	48.3
	57	60.5	3.6	60.5	60.5	60.5	57.1	53.8	50.4	54.4	3.6	54.4	54.4	54.4	51.2	48.1	44.9

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 86: ZL12 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
2500	72	64.7	4.3	—	—	—	—	—	—	60.6	4.3	—	—	—	—	—	—
	67	56.9	4.0	3.3	3.2	3.0	2.9	2.8	—	51.3	4.0	1.8	1.6	1.3	1.0	0.5	—
	62	48.4	3.8	9.0	8.9	8.7	8.6	8.4	8.3	41.6	3.8	2.7	2.5	2.2	2.0	1.7	1.4
3000	72	66.5	4.2	—	—	—	—	—	—	62.8	4.2	—	—	—	—	—	—
	67	58.5	4.0	8.1	7.4	6.8	6.1	5.4	—	53.3	4.0	4.0	3.7	3.5	3.2	2.9	—
	62	49.7	3.8	20.7	20.0	19.4	18.7	18.0	17.4	43.2	3.8	14.5	14.2	13.9	13.7	13.4	13.1
	57	45.4	3.8	24.1	23.5	22.8	22.2	21.5	20.8	39.8	3.8	15.8	15.5	15.2	15.0	14.7	14.4
3500	72	68.4	4.2	—	—	—	—	—	—	65.1	4.2	—	—	—	—	—	—
	67	60.2	3.9	12.8	11.7	10.5	9.3	8.1	—	55.2	3.9	8.9	8.1	7.3	6.5	5.7	—
	62	51.1	3.7	32.4	31.2	30.0	28.8	27.7	26.5	44.9	3.7	27.5	26.7	25.9	25.1	24.4	23.6
	57	46.6	3.8	36.0	35.7	35.4	34.2	33.0	31.8	41.3	3.8	29.3	29.2	29.0	28.2	27.5	26.7
4000	72	70.2	4.1	—	—	—	—	—	—	67.4	4.1	—	—	—	—	—	—
	67	61.8	3.8	17.6	15.9	14.2	12.5	10.8	—	57.2	3.8	13.7	12.4	11.1	9.8	8.4	—
	62	52.5	3.6	44.0	42.4	40.7	39.0	37.3	35.6	46.5	3.6	40.6	39.3	37.9	36.6	35.3	34.0
	57	47.9	3.7	47.9	47.9	47.9	46.2	44.5	42.8	42.9	3.7	42.9	42.9	42.9	41.5	40.2	38.9
4500	72	70.5	4.1	—	—	—	—	—	—	66.9	4.1	—	—	—	—	—	—
	67	62.0	3.8	23.7	21.4	19.1	16.8	14.5	—	56.8	3.8	20.6	18.6	16.6	14.6	12.6	—
	62	52.7	3.6	48.5	47.6	46.8	44.5	42.1	39.8	46.1	3.6	43.1	42.8	43.0	41.0	38.9	36.9
	57	48.1	3.7	48.1	48.1	48.1	45.8	43.4	41.1	42.5	3.7	42.5	42.5	42.5	40.5	38.5	36.4
5000	72	70.7	4.0	—	—	—	—	—	—	66.5	4.0	—	—	—	—	—	—
	67	62.2	3.8	29.8	26.9	24.0	21.1	18.1	—	56.3	3.7	27.5	24.8	22.1	19.4	16.7	—
	62	52.9	3.6	52.9	52.9	52.9	50.0	47.0	44.1	45.7	3.6	45.7	45.7	45.7	45.3	42.6	39.9
	57	48.2	3.6	48.2	48.2	48.2	45.3	42.4	39.5	42.1	3.6	42.1	42.1	42.1	39.4	36.7	34.0

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 87: ZL14 reheat capacity (35°F to 65°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		35°F								45°F							
3125	77	134.9	4.7	11.4	9.3	7.2	—	—	—	114.5	4.7	4.0	2.2	0.5	—	—	—
	72	115.1	4.6	17.4	15.3	13.2	11.2	—	—	100.9	4.6	11.9	10.1	8.4	6.6	—	—
	67	95.2	4.6	23.3	21.3	19.2	17.2	15.1	—	87.4	4.5	19.8	18.0	16.3	14.6	12.8	—
	62	86.6	4.9	32.8	30.8	28.7	26.7	24.6	22.5	78.1	4.5	30.9	29.1	27.4	25.6	23.9	22.2
3750	77	136.3	4.4	16.8	13.7	10.6	—	—	—	117.7	4.6	6.0	3.3	0.7	—	—	—
	72	116.1	4.4	25.1	22.0	18.9	15.8	—	—	103.8	4.5	17.4	14.7	12.0	9.4	—	—
	67	95.9	4.4	33.4	30.3	27.2	24.1	21.0	—	89.8	4.4	28.7	26.1	23.4	20.7	18.1	—
	62	87.2	4.6	46.7	43.6	40.5	37.4	34.3	31.2	80.3	4.4	44.7	42.0	39.3	36.7	34.0	31.3
	57	72.3	4.8	53.4	50.3	47.2	44.1	41.0	37.9	70.2	4.4	51.4	48.7	46.1	43.4	40.7	38.1
4375	77	137.7	4.1	22.2	18.1	13.9	—	—	—	120.9	4.4	8.1	4.5	0.9	—	—	—
	72	117.1	4.1	32.8	28.7	24.6	20.4	—	—	106.6	4.3	22.9	19.3	15.7	12.1	—	—
	67	96.6	4.1	43.4	39.3	35.2	31.1	27.0	—	92.3	4.2	37.7	34.1	30.5	26.9	23.3	—
	62	87.9	4.4	60.5	56.4	52.2	48.1	44.0	39.9	82.5	4.2	58.5	54.9	51.3	47.7	44.1	40.5
	57	72.6	4.5	63.2	61.7	60.9	56.8	52.7	48.5	72.1	4.3	62.7	61.4	60.0	56.4	52.9	49.3
5000	77	139.1	3.9	27.6	22.4	17.3	—	—	—	124.1	4.3	10.1	5.6	1.1	—	—	—
	72	118.2	3.9	40.5	35.4	30.2	25.1	—	—	109.4	4.2	28.4	23.9	19.3	14.8	—	—
	67	97.2	3.9	53.5	48.3	43.2	38.0	32.9	—	94.7	4.1	46.6	42.1	37.6	33.1	28.6	—
	62	88.6	4.1	74.3	69.1	64.0	58.8	53.7	48.5	84.7	4.1	72.2	67.7	63.2	58.7	54.2	49.7
	57	73.0	4.3	73.0	73.0	73.0	69.5	64.3	59.1	74.0	4.1	74.0	74.0	74.0	69.5	65.0	60.5
5625	72	122.9	3.8	44.0	38.7	33.4	28.1	—	—	111.5	4.2	31.5	26.5	21.5	16.6	—	—
	67	101.3	3.8	57.6	52.3	47.0	41.7	36.3	—	96.5	4.1	51.8	46.9	41.9	36.9	32.0	—
	62	92.2	4.1	85.1	77.7	69.7	64.4	59.0	53.7	86.3	4.1	80.0	75.4	70.4	65.4	60.5	55.5
	57	76.2	4.3	76.2	76.2	76.2	71.7	66.4	61.0	75.4	4.1	75.4	75.4	75.4	70.4	65.5	60.5
6250	72	127.6	3.8	47.5	42.0	36.5	31.0	—	—	113.5	4.1	34.6	29.2	23.7	18.3	—	—
	67	105.4	3.8	61.8	56.3	50.8	45.3	39.8	—	98.2	4.0	57.0	51.6	46.2	40.7	35.3	—
	62	95.9	4.1	95.9	86.2	75.4	69.9	64.4	58.9	87.8	4.0	87.8	83.0	77.6	72.2	66.7	61.3
	57	79.5	4.2	79.5	79.5	79.5	74.0	68.5	62.9	76.8	4.1	76.8	76.8	76.8	71.3	65.9	60.5
		55°F								65°F							
3125	72	86.8	4.6	6.4	5.0	3.5	2.1	—	—	82.3	4.6	2.8	1.7	0.5	—	—	—
	67	79.5	4.4	16.2	14.8	13.4	11.9	10.5	—	74.1	4.4	13.3	12.1	11.0	9.8	8.7	—
	62	69.7	4.2	28.9	27.5	26.0	24.6	23.2	21.8	64.3	4.2	25.4	24.2	23.1	21.9	20.8	19.6
3750	72	91.4	4.6	9.7	7.4	5.2	2.9	—	—	86.2	4.6	4.4	2.5	0.6	—	—	—
	67	83.7	4.4	24.1	21.8	19.6	17.3	15.1	—	77.5	4.4	20.5	18.6	16.7	14.7	12.8	—
	62	73.4	4.1	42.7	40.4	38.2	35.9	33.7	31.4	67.3	4.1	39.0	37.1	35.2	33.3	31.3	29.4
	57	68.1	4.1	49.4	47.2	44.9	42.7	40.4	38.2	64.1	4.1	44.7	42.8	40.9	39.0	37.1	35.2
4375	72	96.1	4.5	12.9	9.9	6.8	3.8	—	—	90.0	4.6	6.0	3.3	0.7	—	—	—
	67	88.0	4.3	31.9	28.9	25.8	22.8	19.7	—	81.0	4.3	27.7	25.0	22.3	19.7	17.0	—
	62	77.2	4.1	56.4	53.4	50.3	47.2	44.2	41.1	70.3	4.1	52.6	49.9	47.2	44.6	41.9	39.3
	57	71.6	4.0	62.2	61.1	59.2	56.1	53.1	50.0	66.9	4.0	57.3	56.3	54.9	52.3	49.6	47.0
5000	72	100.7	4.5	16.2	12.3	8.5	4.6	—	—	93.8	4.5	7.6	4.2	0.8	—	—	—
	67	92.2	4.3	39.8	35.9	32.0	28.2	24.3	—	84.4	4.3	34.8	31.4	28.0	24.6	21.2	—
	62	80.9	4.1	70.2	66.3	62.4	58.6	54.7	50.8	73.3	4.1	66.1	62.7	59.3	55.9	52.5	49.1
	57	75.0	4.0	75.0	75.0	73.5	69.6	65.7	61.8	69.8	4.0	69.8	69.8	69.0	65.6	62.2	58.8
5625	72	100.0	4.5	18.9	14.3	9.7	5.1	—	—	93.1	4.5	8.9	4.7	0.5	—	—	—
	67	91.6	4.3	46.0	41.4	36.8	32.2	27.6	—	83.8	4.3	41.8	37.6	33.4	29.2	25.0	—
	62	80.3	4.0	75.0	73.1	71.1	66.5	61.9	57.3	72.8	4.0	69.2	67.5	65.8	61.6	57.4	53.2
	57	74.5	4.0	74.5	74.5	73.8	69.1	64.5	59.9	69.2	4.0	69.2	69.2	68.8	64.6	60.4	56.3
6250	72	99.4	4.4	21.7	16.3	11.0	5.6	—	—	92.3	4.4	10.3	5.3	—	—	—	—
	67	91.0	4.2	52.3	46.9	41.6	36.2	30.9	—	83.1	4.2	48.7	43.8	38.8	33.8	28.8	—
	62	79.8	4.0	79.8	79.8	79.8	74.5	69.1	63.8	72.2	4.0	72.2	72.2	72.2	67.2	62.2	57.2
	57	74.1	3.9	74.1	74.1	74.1	68.7	63.4	58.0	68.7	3.9	68.7	68.7	68.7	63.7	58.7	53.7

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Table 88: ZL14 reheat capacity (75°F to 85°F)

Air on evaporator coil		Temperature of air on condenser coil															
		Total capacity (MBh)[1]	Total input (kW)[2]	Sensible capacity (MBh)						Total capacity (MBh)	Total input(kW)	Sensible capacity (MBh)					
CFM	WB (°F)			Return dry bulb (°F)								Return dry bulb (°F)					
				90	85	80	75	70	65			90	85	80	75	70	65
		75°F								85°F							
3125	72	77.9	4.6	—	—	—	—	—	—	73.4	4.7	—	—	—	—	—	—
	67	68.7	4.4	10.4	9.5	8.6	7.7	6.8	—	63.3	4.4	7.4	6.8	6.2	5.6	4.9	—
	62	59.0	4.2	21.9	21.0	20.1	19.2	18.3	17.4	53.6	4.1	18.4	17.8	17.1	16.5	15.9	15.2
3750	72	80.9	4.6	—	—	—	—	—	—	75.6	4.6	—	—	—	—	—	—
	67	71.3	4.4	16.9	15.3	13.7	12.1	10.6	—	65.1	4.3	13.3	12.0	10.8	9.5	8.3	—
	62	61.3	4.1	35.3	33.7	32.1	30.6	29.0	27.4	55.2	4.1	31.6	30.4	29.1	27.9	26.6	25.4
	57	60.1	4.1	40.0	38.5	36.9	35.3	33.7	32.2	56.0	4.1	35.4	34.1	32.9	31.7	30.4	29.2
4375	72	83.9	4.6	—	—	—	—	—	—	77.8	4.6	—	—	—	—	—	—
	67	74.0	4.3	23.4	21.1	18.9	16.6	14.3	—	67.0	4.3	19.1	17.2	15.4	13.5	11.7	—
	62	63.5	4.1	48.7	46.4	44.2	41.9	39.7	37.4	56.7	4.1	44.8	43.0	41.1	39.3	37.4	35.6
	57	62.3	4.0	52.3	51.5	50.7	48.5	46.2	44.0	57.6	4.0	47.3	46.7	46.5	44.6	42.8	40.9
5000	72	86.9	4.5	—	—	—	—	—	—	80.0	4.5	—	—	—	—	—	—
	67	76.7	4.3	29.9	26.9	24.0	21.1	18.1	—	68.9	4.3	24.9	22.4	20.0	17.5	15.1	—
	62	65.8	4.0	62.1	59.1	56.2	53.3	50.3	47.4	58.3	4.0	58.0	55.6	53.1	50.6	48.2	45.7
	57	64.5	4.0	64.5	64.5	64.5	61.6	58.7	55.7	59.3	4.0	59.3	59.3	59.3	57.6	55.1	52.7
5625	72	86.1	4.5	—	—	—	—	—	—	79.1	4.5	—	—	—	—	—	—
	67	75.9	4.2	37.5	33.8	30.0	26.2	22.4	—	68.1	4.2	33.3	29.9	26.6	23.2	19.9	—
	62	65.2	4.0	63.3	61.8	60.4	56.6	52.8	49.1	57.6	4.0	57.5	56.2	55.0	51.7	48.3	45.0
	57	63.9	4.0	63.9	63.9	63.9	60.1	56.4	52.6	58.6	4.0	58.6	58.6	58.6	55.6	52.3	48.9
6250	72	85.2	4.5	—	—	—	—	—	—	78.2	4.5	—	—	—	—	—	—
	67	75.2	4.2	45.2	40.6	36.0	31.4	26.8	—	67.3	4.2	41.7	37.4	33.2	29.0	24.7	—
	62	64.6	4.0	64.6	64.6	64.6	59.9	55.3	50.7	56.9	4.0	56.9	56.9	56.9	52.7	48.4	44.2
	57	63.3	3.9	63.3	63.3	63.3	58.7	54.1	49.5	57.9	3.9	57.9	57.9	57.9	53.7	49.4	45.2

1 These capacities are gross ratings. For net capacity, deduct the supply air blower motor heat (MBh = 3.415 x kW). Refer to the appropriate blower performance table for the kW of the supply air blower motor.

2 These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

Drive selection

1. Determine the side or bottom supply duct application.
2. Determine the required airflow.
3. Calculate or measure the amount of external static pressure.
   - Add or deduct any additional static resistance from Additional static resistance.
4. Using the operating point determined from Steps 1, 2, and 3, locate this point on the appropriate supply air blower performance table. (Linear interpolation may be necessary.)
5. Noting the RPM and BHP from Step 4, locate the appropriate motor and, or drive on the RPM selection table.
6. Review the BHP compared to the motor options available. Select the appropriate motor and, or drive.
7. Review the RPM range for the motor options available. Select the appropriate drive if multiple drives are available for the chosen motor.
8. Determine the number of turns required open to obtain the required operation point.

Example

1. 3200 SCFM, bottom supply duct application
2. 1.8 IWG
3. Using the airflow performance table below, the following data point was located: 1071 RPM and 2.52 BHP.
4. Using the RPM selection table below, model ZY and size 08 (7.5 tons) is found.
5. 2.52 BHP exceeds the maximum continuous BHP rating of the 2.4 HP motor. The 3.7 HP motor is required.
6. 1071 RPM is within the range of the 3.7 HP motor.
7. Using the 3.7-HP motor and high-static drive, 0.5 turns open achieves the required 1071 RPM.

Airflow performance

Example supply air blower performance

Table 89: ZY08 (7.5 ton) bottom duct

cfm	Available external static, IWG																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2250	556	0.45	621	0.65	683	0.83	742	1.00	798	1.18	852	1.34	904	1.51	954	1.69	1003	1.87	1050	2.06
2400	567	0.53	632	0.73	694	0.91	753	1.09	809	1.26	863	1.43	914	1.60	964	1.77	1013	1.95	1060	2.14
2600	580	0.65	646	0.85	707	1.03	766	1.21	823	1.38	876	1.55	928	1.72	978	1.89	1027	2.07	1074	2.27
2800	595	0.79	660	0.99	722	1.17	780	1.35	837	1.52	890	1.69	942	1.86	992	2.03	1041	2.21	1088	2.40
3000	609	0.94	674	1.14	736	1.32	795	1.50	851	1.67	905	1.83	957	2.00	1007	2.18	1056	2.36	1100	2.55
3200	625	1.10	690	1.30	752	1.48	810	1.66	867	1.83	921	2.00	972	2.17	1022	2.34	1071	2.52	--	--
3400	641	1.28	706	1.47	768	1.66	827	1.83	883	2.00	937	2.17	989	2.34	1039	2.52	1087	2.70	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

Table 90: Example rpm selection

Model	Size (ton)	Airflow Option	Phase	Max bhp	Blower Sheave	Motor Sheave	6 Turns open	5 Turns open	4 Turns open	3 Turns open	2 Turns open	1 Turns open	Fully closed
ZY	08 (7.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.4	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100

Table 91: Example additional static resistance

Model	Size (ton)	cfm	Cooling only[1]	Economizer [2 3]	4 in. filters[2]	Electric heat kW[2]							
						6/6.5	9.2/10.5/11	13.8/14/16	16/16.5/17	23	24.8/25.5/27.8	32/33/34	41.7/42.4
ZY	08 (7.5), 09 (8.5), 12 (10.0)	2200	0.04	0.11	---	---	---	---	0.07	---	0.09	0.10	0.12
		2600	0.06	0.13	---	---	---	---	0.09	---	0.11	0.12	0.15
		3000	0.10	0.17	---	---	---	---	0.12	---	0.14	0.15	0.19
		3400	0.13	0.20	---	---	---	---	0.15	---	0.18	0.19	0.23
		3800	0.16	0.25	---	---	---	---	0.19	---	0.22	0.23	0.27
		4000	0.17	0.28	---	---	---	---	0.21	---	0.24	0.25	0.30
		4400	0.20	0.33	---	---	---	---	0.25	---	0.29	0.30	0.35
		4800	0.22	0.38	---	---	---	---	0.30	---	0.34	0.35	0.41
		5200	0.24	0.43	---	---	---	---	0.35	---	0.39	0.41	0.47
		5600	0.26	0.46	---	---	---	---	0.41	---	0.45	0.47	0.54
		6000	0.28	0.50	---	---	---	---	0.48	---	0.52	0.54	0.60

Altitude and temperature correction for cfm, static pressure, and power

Use the following information to assist in application of product when being applied at altitudes at or exceeding 1000 ft above sea level.

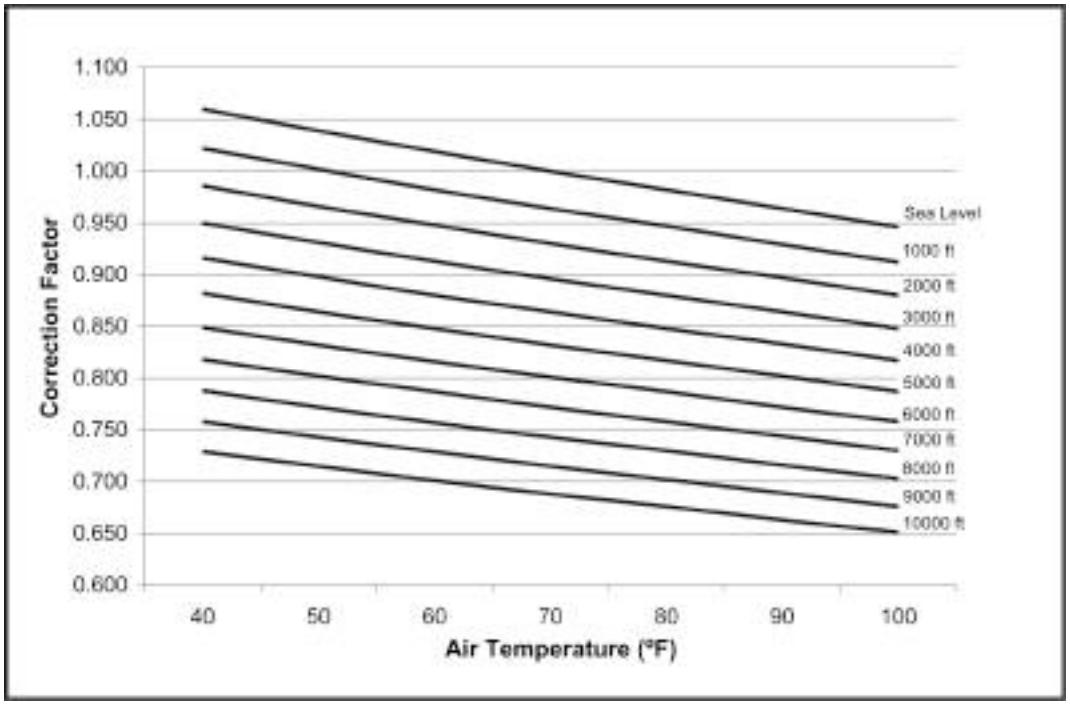
The air flow rates listed in the standard blower performance tables are based on standard air at sea level. As the altitude or temperature increases, the density of air decreases. In order to use the indoor blower tables for high altitude applications, certain corrections are necessary.

A centrifugal fan is a "constant volume" device. This means that, if the RPM remains constant, the CFM delivered is the same regardless of the density of the air. However, because the air at high altitude is less dense, less static pressure is generated and less power is required than a similar application at sea level. See Altitude/temperature correction factors for air density correction factors.

Altitude/temperature correction factors

Table 92: Altitude/temperature correction factors

Air temp.	Altitude (ft)										
	0	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000
40	1.060	1.022	0.986	0.950	0.916	0.882	0.849	0.818	0.788	0.758	0.729
50	1.039	1.002	0.966	0.931	0.898	0.864	0.832	0.802	0.772	0.743	0.715
60	1.019	0.982	0.948	0.913	0.880	0.848	0.816	0.787	0.757	0.729	0.701
70	1.000	0.964	0.930	0.896	0.864	0.832	0.801	0.772	0.743	0.715	0.688
80	0.982	0.947	0.913	0.880	0.848	0.817	0.787	0.758	0.730	0.702	0.676
90	0.964	0.929	0.897	0.864	0.833	0.802	0.772	0.744	0.716	0.689	0.663
100	0.946	0.912	0.880	0.848	0.817	0.787	0.758	0.730	0.703	0.676	0.651



Use the following examples to determine the airflow performance of the product at altitude.

Example 1: What are the corrected CFM, static pressure, and BHP at an elevation of 5,000 ft if the airflow performance data is 3,000 CFM, 1.4 IWC, and 2.0 BHP?

Solution: At an elevation of 5,000 ft, the indoor blower still delivers 3,000 CFM if the rpm is unchanged. However, the Altitude correction must be used to determine the static pressure and BHP. Because no temperature data is given, we assume an air temperature of 70°F. The altitude/temperature factors show the correction factor to be 0.832.

Corrected static pressure = 1.4 x 0.832 = 1.16 IWC

Corrected BHP = 2.0 x 0.832 = 1.66

Example 2: A system, located at 5,000 feet of elevation, is to deliver 3,000 CFM at a static pressure of 1.4 in. Use the unit blower tables to select the blower speed and the BHP requirement.

Solution: As in the example above, no temperature information is given so 70°F is assumed. The 1.4 in. static pressure given is at an elevation of 5,000 ft. The first step is to convert this static pressure to equivalent sea level conditions.

Sea level static pressure = 1.4 in. / 0.832 = 1.68 in.

Enter the supply air blower performance table at 3,000 CFM and static pressure of 1.68 in. The RPM listed is the same RPM needed at 5,000 ft. If the corresponding BHP listed in the table is 2.0. Correct this value for elevation.

BHP at 5,000 ft. = 2.0 x 0.832 = 1.66

Indoor blower specifications

Table 93: Indoor blower specifications

Model	Size (ton)	Airflow option	Motor						Motor sheave			Blower sheave			Belt
			Phase	HP	RPM	Eff.	SF	Frame	Datum dia. (in.)	Bore (in.)	Model	Datum Dia. (in.)	Bore (in.)	Model	
ZQ	04 (3)	Std.	Direct Drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
ZQ	05 (4)	Std.	Direct Drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
ZQ	06 (5)	Std.	Direct Drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		H. static	3	2.9	1725	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A39
ZX	A7 (6)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.7	3/4	AK51	A39
		Med.	3	2.9	1725	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	4.7	3/4	AK51	A40
		H. static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	4.7	3/4	AK51	A41
ZY	04 (3)	Std.	Direct Drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. static	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
ZY	05 (4)	Std.	Direct Drive												
		Med.	1	1.5	1725	0.79	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		Med.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. static	3	2.9	1725	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A40
ZY	06 (5)	Std.	Direct Drive												
		Med.	1	1.5	1750	0.83	1.15	56H	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		Med.	3	2.4	1750	0.87	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		H. static	3	2.9	1750	0.87	1.15	56Z	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A39
ZY	A7 (6)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.9	1725	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	7.0	1	AK74	A48
		H. static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A48
ZY	08 (7.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50
ZY	09 (8.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50
ZY	12 (10)	Std.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.5	1	AK79	A50
		Med.	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.5	1	AK79	A50
		H. static	3	5.25	1725	0.84	1.15	145TY	4.3 - 5.3	7/8	1VP56	7.9	1	BK85	BX52
ZL	04 (3)	Std.	Direct Drive												
		Med.	3	2.4	1750	0.87	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. static	3	2.4	1750	0.87	1.15	56Y	2.8 - 3.8	5/8	1VL44	4.2	3/4	AK46	A40
ZL	05 (4)	Std.	Direct Drive												
		Med.	3	2.4	1750	0.87	1.15	56Y	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A39
		H. static	3	2.9	1750	0.81	1.15	56Y	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A40
ZL	06 (5)	Std.	Direct Drive												
		Med.	3	2.4	1750	0.87	1.15	56HZ	1.9 - 2.9	5/8	1VL34	4.2	3/4	AK46	A37
		H. static	3	2.9	1750	0.87	1.15	56Z	2.8 - 3.8	7/8	1VL44	4.2	3/4	AK46	A39
ZL	08 (7.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50
ZL	09 (8.5)	Std.	3	2.4	1725	0.80	1.15	56Y	1.9 - 2.9	5/8	1VL34	7.0	1	AK74	A47
		Med.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.0	1	AK74	A48
		H. static	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.0	1	AK74	A50

Table 93: Indoor blower specifications

Model	Size (ton)	Airflow option	Motor						Motor sheave			Blower sheave			Belt
			Phase	HP	RPM	Eff.	SF	Frame	Datum dia. (in.)	Bore (in.)	Model	Datum Dia. (in.)	Bore (in.)	Model	
ZL	12 (10)	Std.	3	2.4	1725	0.80	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.5	1	AK79	A50
		Med.	3	3.7	1725	0.84	1.15	56HZ	3.4 - 4.4	7/8	1VP50	7.5	1	AK79	A50
		H. static	3	5.25	1725	0.84	1.15	145TY	4.3 - 5.3	7/8	1VP56	7.9	1	BK85	BX52
ZL	14 (12.5)	Std.	3	2.9	1750	0.87	1.15	56Y	2.8 - 3.8	5/8	1VL44	7.5	1	AK79	A50
		Med.	3	3.7	1750	0.90	1.15	184TZ	3.4 - 4.4	7/8	1VP50	7.5	1	AK79	A52
		H. static	3	5.25	1750	0.90	1.15	184TZ	4.3 - 5.3	7/8	1VP56	7.9	1	BK85	BX54

RPM selection

Table 94: RPM selection

Model	Size (Tons)	Airflow Option	Phase	MAX BHP	Blower Sheave	Motor Sheave	6 Turns Open	5 Turns Open	4 Turns Open	3 Turns Open	2 Turns Open	1 Turns Open	Fully Closed
ZQ	04 (3)	Std.	Direct Drive										
		Med.	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZQ	05 (4)	Std.	Direct Drive										
		Med.	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZQ	06 (5)	Std.	Direct Drive										
		Med.	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZX	A7 (6)	Std.	3	2.4	AK51	1VL34	N/A	707	782	856	931	1005	1080
		Med.	3	2.9	AK51	1VL44	N/A	1043	1117	1191	1266	1340	1415
		H. Static	3	3.7	AK51	1VP50	N/A	1266	1340	1415	1489	1564	1638
ZY	04 (3)	Std.	Direct Drive										
		Med.	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZY	05 (4)	Std.	Direct Drive										
		Med.	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZY	06 (5)	Std.	Direct Drive										
		Med.	1	1.5	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZY	A7 (6)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.9	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
ZY	08 (7.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.4	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
ZY	09 (8.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.4	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
ZY	12 (10)	Std.	3	2.4	AK79	1VL44	N/A	653	700	747	793	840	887
		Med.	3	3.7	AK79	1VP50	N/A	793	840	887	933	980	1027
		H. Static	3	5.25	BK85	1VP56	953	997	1041	1085	1130	1174	N/A
ZL	04 (3)	Std.	Direct Drive										
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.4	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZL	05 (4)	Std.	Direct Drive										
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZL	06 (5)	Std.	Direct Drive										
		Med.	3	2.4	AK46	1VL34	N/A	792	875	958	1042	1125	1208
		H. Static	3	2.9	AK46	1VL44	N/A	1167	1250	1333	1417	1500	1593
ZL	08 (7.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.4	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
ZL	09 (8.5)	Std.	3	2.4	AK74	1VL34	N/A	475	525	575	625	675	725
		Med.	3	2.4	AK74	1VL44	N/A	700	750	800	850	900	950
		H. Static	3	3.7	AK74	1VP50	N/A	850	900	950	1000	1050	1100
ZL	12 (10)	Std.	3	2.4	AK79	1VL44	N/A	653	700	747	793	840	887
		Med.	3	3.7	AK79	1VP50	N/A	793	840	887	933	980	1027
		H. Static	3	5.25	BK85	1VP56	953	997	1041	1085	1130	1174	N/A
ZL	14 (12.5)	Std.	3	2.9	AK79	1VL44	N/A	653	700	747	793	840	887
		Med.	3	3.7	AK79	1VP50	N/A	793	840	887	933	980	1027
		H. Static	3	5.25	BK85	1VP56	953	997	1041	1085	1130	1174	N/A

Additional static resistance

Table 95: Additional static resistance - ZQ04-06

Model	Size (ton)	CFM	Cooling only[1]	Economizer[2,3]	4 in. filter[2]	Electric heat kW[2]			
						6/6.5	9.2/10.5/11	13.8/14/16	23
ZQ	04 (3.0), 05 (4.0)	900	0.04	0.15	—	0.00	0.00	0.01	0.01
		1000	0.05	0.18	—	0.00	0.00	0.02	0.02
		1100	0.06	0.21	—	0.01	0.01	0.02	0.03
		1200	0.07	0.24	—	0.01	0.01	0.02	0.03
		1300	0.10	0.28	—	0.01	0.01	0.03	0.03
		1400	0.12	0.33	—	0.02	0.02	0.03	0.04
		1500	0.14	0.44	—	0.02	0.02	0.04	0.04
		1600	0.16	0.52	—	0.02	0.02	0.04	0.05
		1700	0.18	0.59	—	0.03	0.03	0.05	0.05
		1800	0.22	0.66	—	0.03	0.03	0.05	0.06
		1900	0.25	0.74	—	0.04	0.04	0.06	0.07
		2000	0.28	0.81	—	0.04	0.04	0.07	0.08
		2100	0.33	0.88	—	0.05	0.05	0.07	0.08
		2200	0.36	0.95	—	0.06	0.06	0.08	0.09
		2300	0.41	1.03	—	0.06	0.06	0.09	0.10
		2400	0.45	1.10	—	0.07	0.07	0.10	0.11
		2500	0.50	1.17	—	0.08	0.08	0.11	0.12
	06 (5.0)	1800	0.23	0.66	—	0.03	0.03	0.05	0.06
		2000	0.28	0.81	—	0.04	0.04	0.07	0.08
		2200	0.32	0.95	—	0.06	0.06	0.08	0.09
		2400	0.37	1.10	—	0.07	0.07	0.10	0.11

1 Add these values to the available static resistance in the respective blower performance tables.
2 Deduct these values from the available external static pressure shown in the respective blower performance tables.
3 The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

Table 96: Additional static resistance - ZXA7

Model	Size (ton)	CFM	Cooling only[1]	Economizer[2,3]	4 in. filter[2]	Electric heat kW[2]							
						6/6.5	9.2/10.5/11	13.8/14/16	16/16.5/17	23	24.8/25.5/27.8	32/33/34	41.7/42.4
ZX	A7 (6)	1800	0.23	0.66	—	0.03	0.03	0.05	—	—	—	—	—
		2000	0.28	0.81	—	0.04	0.04	0.06	—	—	—	—	—
		2200	0.32	0.95	—	0.06	0.06	0.07	—	—	—	—	—
		2400	0.37	1.10	—	0.07	0.07	0.08	—	—	—	—	—
		2600	0.38	1.25	—	0.08	0.08	0.09	—	—	—	—	—
		2800	0.41	1.39	—	0.09	0.09	0.10	—	—	—	—	—
		3000	0.45	1.54	—	0.11	0.11	0.12	—	—	—	—	—

1 Add these values to the available static resistance in the respective blower performance tables.
2 Deduct these values from the available external static pressure shown in the respective blower performance tables.
3 The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

Table 97: Additional static resistance - ZY04-12

Model	Size (ton)	CFM	[1]Cooling only[1]	[2, 3]Reheat coil[23]	Economizer[2] [3]	4 in. filters[2]	Electric heat kW[2]							
							6/6.5	9.2/10.5/11	13.8/14/16	16/16.5/17	23	24.8/25.5/27.8	32/33/34	41.7/42.4
ZY	04 (3.0)	900	0.04	0.03	0.15	—	0.00	0.00	0.01	—	0.01	—	—	—
		1000	0.05	0.03	0.18	—	0.00	0.00	0.02	—	0.02	—	—	—
		1100	0.06	0.04	0.21	—	0.01	0.01	0.02	—	0.03	—	—	—
		1200	0.07	0.04	0.24	—	0.01	0.01	0.02	—	0.03	—	—	—
		1300	0.10	0.04	0.28	—	0.01	0.01	0.03	—	0.03	—	—	—
		1400	0.12	0.05	0.33	—	0.02	0.02	0.03	—	0.04	—	—	—
		1500	0.14	0.06	0.44	—	0.02	0.02	0.04	—	0.04	—	—	—
	05 (4.0)	1200	0.06	0.02	0.24	—	0.01	0.01	0.02	—	0.03	—	—	—
		1300	0.06	0.03	0.28	—	0.01	0.01	0.03	—	0.03	—	—	—
		1400	0.06	0.03	0.33	—	0.02	0.02	0.03	—	0.04	—	—	—
		1500	0.07	0.03	0.44	—	0.02	0.02	0.04	—	0.04	—	—	—
		1600	0.08	0.03	0.52	—	0.02	0.02	0.04	—	0.05	—	—	—
		1700	0.11	0.04	0.59	—	0.03	0.03	0.05	—	0.05	—	—	—
		1800	0.13	0.04	0.66	—	0.03	0.03	0.05	—	0.06	—	—	—
		1900	0.16	0.05	0.74	—	0.04	0.04	0.06	—	0.07	—	—	—
		2000	0.20	0.05	0.81	—	0.04	0.04	0.07	—	0.08	—	—	—
	06 (5.0)	1800	0.23	0.05	0.66	—	0.03	0.03	0.05	—	0.06	—	—	—
		2000	0.28	0.05	0.81	—	0.04	0.04	0.07	—	0.08	—	—	—
		2200	0.32	0.06	0.95	—	0.06	0.06	0.08	—	0.09	—	—	—
		2400	0.37	0.06	1.10	—	0.07	0.07	0.10	—	0.11	—	—	—
		2500	0.50	0.07	1.17	—	0.08	0.08	0.11	—	0.12	—	—	—
	A7 (6.0)	1800	0.23	0.06	0.13	—	0.03	—	—	0.05	—	0.06	—	—
		2000	0.28	0.07	0.15	—	0.04	—	—	0.06	—	0.07	—	—
		2200	0.32	0.08	0.18	—	0.06	—	—	0.07	—	0.09	—	—
		2400	0.37	0.09	0.21	—	0.07	—	—	0.08	—	0.1	—	—
		2600	0.38	0.10	0.24	—	0.08	—	—	0.09	—	0.11	—	—
		2800	0.41	0.11	0.29	—	0.09	—	—	0.10	—	0.12	—	—
		3000	0.45	0.12	0.35	—	0.11	—	—	0.12	—	0.14	—	—
	08 (7.5), 09 (8.5), 12 (10.0)	2200	0.04	0.04	0.18	—	—	—	—	0.07	—	0.09	0.10	0.12
		2600	0.06	0.05	0.24	—	—	—	—	0.09	—	0.11	0.12	0.15
		3000	0.10	0.07	0.35	—	—	—	—	0.12	—	0.14	0.15	0.19
		3400	0.13	0.08	0.47	—	—	—	—	0.15	—	0.18	0.19	0.23
		3800	0.16	0.10	0.59	—	—	—	—	0.19	—	0.22	0.23	0.27
		4000	0.17	0.11	0.66	—	—	—	—	0.21	—	0.24	0.25	0.30
		4400	0.20	0.12	0.79	—	—	—	—	0.25	—	0.29	0.30	0.35
		4800	0.22	0.14	0.91	—	—	—	—	0.30	—	0.34	0.35	0.41
		5200	0.24	0.15	1.04	—	—	—	—	0.35	—	0.39	0.41	0.47
		5600	0.26	0.15	1.17	—	—	—	—	0.41	—	0.45	0.47	0.54
		6000	0.28	0.16	1.30	—	—	—	—	0.48	—	0.52	0.54	0.60

1 Add these values to the available static resistance in the respective blower performance tables.
2 Deduct these values from the available external static pressure shown in the respective blower performance tables.
3 The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

Table 98: Additional static resistance - ZL04-14

Model	Size (ton)	CFM	Cooling only[1]	Reheat coil[2,3]	Economizer[2,3]	4 in. filters[2]	Electric heat kW[2]							
							6/6.5	9.2/10.5/11	13.8/14/16	16/16.5/17	23	24.8/25.5/27.8	32/33/34	41.7/42.4
ZL	04 (3.0)	900	0.04	0.03	0.15	—	0.00	0.00	0.01	—	0.01	—	—	—
		1000	0.05	0.03	0.18	—	0.00	0.00	0.02	—	0.02	—	—	—
		1100	0.06	0.04	0.21	—	0.01	0.01	0.02	—	0.03	—	—	—
		1200	0.07	0.04	0.24	—	0.01	0.01	0.02	—	0.03	—	—	—
		1300	0.10	0.04	0.28	—	0.01	0.01	0.03	—	0.03	—	—	—
		1400	0.12	0.05	0.33	—	0.02	0.02	0.03	—	0.04	—	—	—
		1500	0.14	0.06	0.44	—	0.02	0.02	0.04	—	0.04	—	—	—
	05 (4.0)	1200	0.06	0.02	0.24	—	0.01	0.01	0.02	—	0.03	—	—	—
		1300	0.06	0.03	0.28	—	0.01	0.01	0.03	—	0.03	—	—	—
		1400	0.06	0.03	0.33	—	0.02	0.02	0.03	—	0.04	—	—	—
		1500	0.07	0.03	0.44	—	0.02	0.02	0.04	—	0.04	—	—	—
		1600	0.08	0.03	0.52	—	0.02	0.02	0.04	—	0.05	—	—	—
		1700	0.11	0.04	0.59	—	0.03	0.03	0.05	—	0.05	—	—	—
		1800	0.13	0.04	0.66	—	0.03	0.03	0.05	—	0.06	—	—	—
		1900	0.16	0.05	0.74	—	0.04	0.04	0.06	—	0.07	—	—	—
		2000	0.20	0.05	0.81	—	0.04	0.04	0.07	—	0.08	—	—	—
	06 (5.0)	1800	0.23	0.07	0.66	—	0.03	0.03	0.05	—	0.06	—	—	—
		2000	0.28	0.08	0.81	—	0.04	0.04	0.07	—	0.08	—	—	—
		2200	0.32	0.10	0.95	—	0.06	0.06	0.08	—	0.09	—	—	—
		2400	0.37	0.11	1.10	—	0.07	0.07	0.10	—	0.11	—	—	—
		2500	0.50	0.12	1.17	—	0.08	0.08	0.11	—	0.12	—	—	—
	08 (7.5), 09 (8.5), 12 (10.0), 14 (12.5)	2200	0.04	0.04	0.18	—	—	—	—	0.07	—	0.09	0.10	0.12
		2600	0.06	0.05	0.24	—	—	—	—	0.09	—	0.11	0.12	0.15
		3000	0.10	0.07	0.35	—	—	—	—	0.12	—	0.14	0.15	0.19
		3400	0.13	0.08	0.47	—	—	—	—	0.15	—	0.18	0.19	0.23
		3800	0.16	0.10	0.59	—	—	—	—	0.19	—	0.22	0.23	0.27
		4000	0.17	0.11	0.66	—	—	—	—	0.21	—	0.24	0.25	0.30
		4400	0.20	0.12	0.79	—	—	—	—	0.25	—	0.29	0.30	0.35
		4800	0.22	0.14	0.91	—	—	—	—	0.30	—	0.34	0.35	0.41
		5200	0.24	0.15	1.04	—	—	—	—	0.35	—	0.39	0.41	0.47
		5600	0.26	0.15	1.17	—	—	—	—	0.41	—	0.45	0.47	0.54
		6000	0.28	0.16	1.30	—	—	—	—	0.48	—	0.52	0.54	0.60

1 Add these values to the available static resistance in the respective blower performance tables.
2 Deduct these values from the available external static pressure shown in the respective blower performance tables.
3 The pressure drop through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

Airflow performance

ZQ04 to 06 side duct application (belt drive)

Table 99: ZQ04 (3.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
900	n/a	n/a	877	0.25	965	0.34	1050	0.44	1133	0.54	1213	0.64	1292	0.74	1371	0.83	1450	0.92	1531	1.01
1000	795	0.21	887	0.29	976	0.38	1061	0.48	1143	0.58	1224	0.68	1303	0.78	1382	0.87	1461	0.96	1541	1.05
1100	806	0.25	899	0.34	988	0.43	1073	0.53	1155	0.63	1236	0.73	1315	0.83	1394	0.92	1473	1.01	1553	1.09
1200	820	0.31	913	0.39	1002	0.48	1087	0.58	1169	0.68	1249	0.78	1329	0.88	1407	0.97	1487	1.06	1567	1.15
1300	836	0.37	929	0.45	1018	0.54	1103	0.64	1185	0.74	1265	0.84	1345	0.94	1423	1.03	1503	1.12	1583	1.21
1400	855	0.43	948	0.52	1036	0.61	1121	0.70	1204	0.80	1284	0.90	1363	1.00	1442	1.10	1521	1.19	--	--
1500	876	0.50	969	0.58	1058	0.68	1143	0.77	1225	0.87	1305	0.97	1385	1.07	1464	1.17	1543	1.26	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.4-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 100: ZQ05 (4.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1200	893	0.37	976	0.46	1054	0.56	1128	0.66	1199	0.75	1268	0.85	1336	0.94	1404	1.03	1474	1.12	1545	1.20
1300	910	0.43	993	0.52	1071	0.62	1144	0.72	1216	0.81	1285	0.91	1353	1.00	1421	1.09	1491	1.18	1562	1.26
1400	931	0.49	1014	0.59	1092	0.69	1166	0.78	1237	0.88	1306	0.97	1374	1.06	1442	1.15	1512	1.24	1583	1.33
1500	956	0.56	1039	0.66	1117	0.76	1191	0.85	1262	0.95	1331	1.04	1399	1.14	1467	1.23	1537	1.31	1608	1.40
1600	985	0.64	1067	0.74	1145	0.83	1219	0.93	1290	1.03	1359	1.12	1428	1.21	1496	1.30	1565	1.39	1637	1.47
1700	1016	0.73	1099	0.82	1177	0.92	1251	1.02	1322	1.11	1391	1.21	1459	1.30	1528	1.39	1597	1.48	--	--
1800	1051	0.82	1134	0.92	1212	1.02	1286	1.11	1357	1.21	1426	1.30	1494	1.40	1562	1.49	1632	1.57	--	--
1900	1088	0.93	1171	1.02	1249	1.12	1323	1.22	1394	1.31	1463	1.41	1532	1.50	1600	1.59	--	--	--	--
2000	1128	1.04	1211	1.14	1289	1.23	1363	1.33	1434	1.43	1503	1.52	1571	1.61	1640	1.70	--	--	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.4-hp
	Field supplied AK41 x ¾ in. fixed blower pulley with motor rated at 2.4-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 101: ZQ06 (5.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1500	806	0.35	885	0.47	961	0.60	1034	0.73	1104	0.86	1170	1.00	1233	1.13	1292	1.26	1346	1.39	1396	1.52
1600	825	0.44	904	0.56	980	0.68	1053	0.81	1123	0.95	1189	1.08	1252	1.22	1311	1.35	1365	1.48	1415	1.61
1700	846	0.52	925	0.64	1001	0.76	1074	0.89	1144	1.03	1210	1.16	1273	1.30	1332	1.43	1386	1.56	1436	1.69
1800	869	0.60	947	0.72	1023	0.84	1096	0.97	1166	1.11	1233	1.24	1295	1.38	1354	1.51	1409	1.64	1459	1.77
1900	892	0.68	971	0.80	1047	0.93	1120	1.06	1190	1.19	1256	1.32	1319	1.46	1378	1.59	1432	1.72	1482	1.85
2000	916	0.77	995	0.89	1071	1.01	1144	1.14	1214	1.28	1280	1.41	1343	1.55	1402	1.68	1456	1.81	1506	1.94
2100	941	0.86	1019	0.98	1095	1.11	1168	1.24	1238	1.37	1305	1.50	1367	1.64	1426	1.77	1481	1.90	1531	2.03
2200	966	0.96	1044	1.08	1120	1.21	1193	1.34	1263	1.47	1329	1.61	1392	1.74	1451	1.87	1505	2.01	1555	2.13
2300	990	1.07	1069	1.19	1145	1.32	1218	1.45	1287	1.58	1354	1.72	1417	1.85	1476	1.98	1530	2.11	1580	2.24
2400	1015	1.19	1093	1.31	1169	1.44	1242	1.57	1312	1.70	1379	1.83	1441	1.97	1500	2.10	1555	2.23	--	--
2500	1039	1.32	1118	1.44	1193	1.56	1266	1.69	1336	1.83	1403	1.96	1466	2.10	1524	2.23	1579	2.36	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZQ04 to 06 bottom duct application (belt drive)

Table 102: ZQ04 (3.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
900	792	0.14	879	0.25	968	0.37	1055	0.49	1141	0.61	1226	0.73	1308	0.84	1388	0.93	1466	1.01	1541	1.06
1000	804	0.18	893	0.29	981	0.41	1069	0.53	1155	0.66	1239	0.77	1322	0.88	1402	0.98	1480	1.05	1554	1.10
1100	819	0.23	909	0.34	997	0.46	1084	0.58	1171	0.71	1255	0.82	1337	0.93	1418	1.03	1495	1.10	1570	1.15
1200	837	0.29	926	0.40	1015	0.52	1102	0.64	1188	0.76	1273	0.88	1355	0.99	1435	1.08	1513	1.16	1588	1.21
1300	857	0.36	946	0.46	1035	0.58	1122	0.70	1208	0.83	1293	0.94	1375	1.05	1455	1.15	1533	1.22	--	--
1400	880	0.43	969	0.53	1058	0.65	1145	0.77	1231	0.90	1315	1.02	1398	1.12	1478	1.22	1556	1.29	--	--
1500	905	0.50	994	0.61	1082	0.73	1170	0.85	1256	0.97	1340	1.09	1423	1.20	1503	1.30	1581	1.37	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.4-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 103: ZQ05 (4.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1200	908	0.34	994	0.45	1072	0.55	1145	0.64	1214	0.74	1283	0.83	1352	0.92	1424	1.01	1502	1.11	1586	1.20
1300	921	0.40	1007	0.51	1085	0.61	1158	0.70	1227	0.80	1296	0.89	1365	0.98	1437	1.07	1514	1.17	1599	1.26
1400	938	0.47	1023	0.58	1101	0.68	1174	0.77	1244	0.86	1312	0.96	1382	1.05	1454	1.14	1531	1.23	1616	1.33
1500	959	0.55	1044	0.65	1122	0.75	1195	0.85	1265	0.94	1333	1.03	1403	1.12	1475	1.21	1552	1.31	1637	1.41
1600	985	0.63	1070	0.73	1148	0.83	1221	0.93	1290	1.02	1359	1.11	1428	1.20	1500	1.29	1578	1.39	--	--
1700	1015	0.71	1100	0.82	1179	0.92	1251	1.01	1321	1.11	1389	1.20	1459	1.29	1531	1.38	1608	1.48	--	--
1800	1050	0.81	1136	0.91	1214	1.01	1287	1.11	1356	1.20	1425	1.29	1494	1.39	1566	1.48	1644	1.57	--	--
1900	1091	0.91	1176	1.02	1254	1.12	1327	1.21	1397	1.31	1465	1.40	1534	1.49	1607	1.58	--	--	--	--
2000	1136	1.02	1222	1.13	1300	1.23	1372	1.32	1442	1.42	1510	1.51	1580	1.60	--	--	--	--	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.4-hp
	Field supplied AK41 x ¾ in. fixed blower pulley with motor rated at 2.4-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 104: ZQ06 (5.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1500	846	0.34	914	0.48	983	0.62	1052	0.75	1120	0.89	1188	1.02	1254	1.16	1318	1.29	1378	1.43	1435	1.56
1600	868	0.41	936	0.55	1004	0.68	1073	0.82	1142	0.95	1210	1.09	1276	1.23	1339	1.36	1400	1.50	1457	1.63
1700	889	0.49	957	0.62	1026	0.76	1095	0.90	1164	1.03	1231	1.17	1297	1.30	1361	1.44	1422	1.57	1479	1.71
1800	911	0.57	979	0.71	1048	0.85	1117	0.98	1186	1.12	1253	1.25	1319	1.39	1383	1.53	1443	1.66	1501	1.79
1900	934	0.67	1002	0.81	1071	0.94	1140	1.08	1208	1.21	1276	1.35	1342	1.48	1405	1.62	1466	1.75	1523	1.89
2000	958	0.77	1026	0.91	1094	1.04	1164	1.18	1232	1.32	1300	1.45	1366	1.59	1429	1.72	1490	1.86	1547	1.99
2100	983	0.88	1051	1.02	1120	1.15	1189	1.29	1258	1.42	1325	1.56	1391	1.69	1455	1.83	1516	1.96	1573	2.10
2200	1010	0.99	1078	1.13	1147	1.26	1216	1.40	1285	1.54	1352	1.67	1418	1.81	1482	1.94	1543	2.08	--	--
2300	1039	1.11	1107	1.25	1176	1.38	1245	1.52	1314	1.65	1381	1.79	1447	1.93	1511	2.06	1572	2.20	--	--
2400	1070	1.23	1138	1.37	1207	1.50	1276	1.64	1345	1.78	1412	1.91	1478	2.05	1542	2.18	--	--	--	--
2500	1103	1.36	1171	1.49	1240	1.63	1309	1.77	1378	1.90	1445	2.04	1511	2.17	1575	2.31	--	--	--	--
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 2.9-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZXA7 side duct application (belt drive)

Table 105: ZXA7 (6.0 ton) side duct

cfm	Available external static																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1800	915	0.67	979	0.77	1041	0.89	1102	1.02	1162	1.16	1221	1.31	1278	1.45	1334	1.59	1389	1.72	1442	1.82
1900	939	0.78	1003	0.87	1065	0.99	1126	1.12	1186	1.27	1244	1.41	1302	1.56	1358	1.69	1412	1.82	1466	1.93
2000	964	0.89	1028	0.99	1090	1.11	1151	1.24	1211	1.38	1269	1.52	1327	1.67	1383	1.81	1437	1.93	1491	2.04
2100	990	1.01	1054	1.11	1116	1.23	1177	1.36	1237	1.50	1296	1.65	1353	1.79	1409	1.93	1464	2.05	1517	2.16
2200	1018	1.14	1081	1.24	1143	1.36	1204	1.49	1264	1.63	1323	1.78	1380	1.92	1436	2.06	1491	2.18	1544	2.29
2300	1046	1.28	1110	1.37	1172	1.49	1233	1.62	1293	1.77	1351	1.91	1409	2.05	1465	2.19	1519	2.32	1573	2.43
2400	1076	1.42	1139	1.52	1201	1.63	1262	1.76	1322	1.91	1381	2.05	1438	2.20	1494	2.33	1549	2.46	1602	2.57
2500	1106	1.56	1170	1.66	1232	1.78	1293	1.91	1353	2.05	1411	2.20	1469	2.34	1525	2.48	1579	2.60	1633	2.71
2600	1138	1.71	1201	1.81	1263	1.93	1324	2.06	1384	2.20	1443	2.35	1500	2.49	1556	2.63	1611	2.75	—	—
2700	1170	1.87	1234	1.96	1296	2.08	1357	2.21	1417	2.35	1475	2.50	1533	2.64	1589	2.78	1638	2.91	—	—
2800	1203	2.02	1267	2.12	1329	2.24	1390	2.37	1450	2.51	1509	2.66	1566	2.80	1622	2.94	—	—	—	—
2900	1238	2.18	1301	2.28	1364	2.40	1425	2.53	1484	2.67	1543	2.81	1600	2.96	--	--	--	--	--	--
3000	1273	2.34	1337	2.44	1399	2.56	1460	2.69	1520	2.83	1578	2.97	1635	3.12	--	--	--	--	--	--

	Standard static option with motor rated at 2.4 hp
	Static option with motor rated at 2.9 hp
	Static option with motor rated at 3.7 hp
--	Exceeds recommended blower speed

ZXA7 bottom duct application (belt drive)

Table 106: ZXA7 (6.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1800	933	0.64	1000	0.79	1064	0.94	1126	1.09	1185	1.24	1243	1.38	1300	1.52	1356	1.64	1411	1.76	1466	1.86
1900	961	0.74	1028	0.89	1092	1.04	1153	1.19	1213	1.34	1271	1.49	1328	1.62	1384	1.75	1439	1.86	1494	1.97
2000	989	0.85	1055	1.00	1119	1.15	1181	1.31	1241	1.45	1299	1.60	1356	1.73	1411	1.86	1467	1.98	1521	2.08
2100	1017	0.97	1083	1.12	1147	1.27	1209	1.42	1269	1.57	1327	1.72	1384	1.85	1439	1.98	1495	2.09	1549	2.20
2200	1045	1.10	1112	1.25	1176	1.40	1238	1.55	1297	1.70	1355	1.84	1412	1.98	1468	2.10	1523	2.22	1578	2.32
2300	1075	1.23	1141	1.38	1205	1.53	1267	1.68	1327	1.83	1385	1.97	1441	2.11	1497	2.24	1552	2.35	1607	2.45
2400	1105	1.37	1171	1.52	1235	1.67	1297	1.82	1357	1.97	1415	2.11	1472	2.25	1527	2.38	1583	2.49	1637	2.59
2500	1136	1.52	1202	1.67	1266	1.82	1328	1.97	1388	2.12	1446	2.26	1503	2.40	1559	2.53	1614	2.64	—	—
2600	1168	1.67	1234	1.82	1298	1.97	1360	2.13	1420	2.27	1478	2.42	1535	2.55	1591	2.68	1638	2.80	—	—
2700	1201	1.84	1268	1.99	1332	2.14	1393	2.29	1453	2.44	1511	2.58	1568	2.72	1624	2.84	—	—	—	—
2800	1235	2.01	1302	2.16	1366	2.31	1428	2.46	1488	2.61	1546	2.75	1602	2.89	—	—	—	—	—	—
2900	1271	2.18	1338	2.33	1402	2.49	1463	2.64	1523	2.79	1581	2.93	1638	3.07	—	—	—	—	—	—
3000	1308	2.37	1374	2.52	1438	2.67	1500	2.82	1560	2.97	1618	3.12	—	—	—	—	—	—	—	—

	Standard static option with motor rated at 2.4 hp
	Static option with motor rated at 2.9 hp
	Static option with motor rated at 3.7 hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZY04 to 12 side duct application (belt drive)

Table 107: ZY04 (3.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
900	n/a	n/a	874	0.31	972	0.40	1065	0.50	1153	0.60	1236	0.70	1315	0.80	1390	0.89	1460	0.97	1526	1.05
1000	n/a	n/a	887	0.36	985	0.45	1078	0.55	1165	0.65	1249	0.75	1328	0.85	1402	0.94	1472	1.03	1539	1.10
1100	797	0.33	900	0.42	998	0.51	1091	0.61	1179	0.71	1263	0.81	1341	0.91	1416	1.00	1486	1.08	1553	1.16
1200	813	0.40	916	0.48	1014	0.57	1107	0.67	1195	0.77	1279	0.87	1357	0.97	1432	1.06	1502	1.15	1569	1.22
1300	831	0.46	935	0.55	1033	0.64	1126	0.74	1214	0.84	1297	0.94	1376	1.03	1450	1.13	1520	1.21	1583	1.28
1400	852	0.53	956	0.61	1054	0.71	1146	0.80	1234	0.90	1318	1.00	1396	1.10	1471	1.19	1541	1.28	—	—
1500	876	0.59	979	0.68	1077	0.77	1170	0.87	1258	0.97	1341	1.07	1420	1.17	1494	1.26	1565	1.34	—	—

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 108: ZY05 (4.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1200	840	0.30	927	0.41	1012	0.53	1096	0.65	1177	0.77	1257	0.89	1334	1.01	1411	1.12	1485	1.22	1558	1.31
1300	857	0.35	944	0.47	1029	0.59	1112	0.71	1194	0.83	1273	0.95	1351	1.07	1427	1.18	1502	1.28	1574	1.37
1400	875	0.42	962	0.53	1048	0.65	1131	0.77	1212	0.89	1292	1.01	1370	1.13	1446	1.24	1520	1.34	1593	1.43
1500	897	0.49	984	0.60	1069	0.72	1152	0.84	1233	0.96	1313	1.08	1391	1.20	1467	1.31	1542	1.41	—	—
1600	921	0.56	1008	0.67	1093	0.79	1176	0.91	1258	1.04	1337	1.16	1415	1.27	1491	1.38	1566	1.49	—	—
1700	948	0.64	1035	0.76	1120	0.87	1204	1.00	1285	1.12	1365	1.24	1442	1.36	1518	1.47	1593	1.57	—	—
1800	979	0.73	1066	0.85	1151	0.96	1234	1.08	1315	1.21	1395	1.33	1473	1.44	1549	1.56	—	—	—	—
1900	1012	0.83	1099	0.94	1185	1.06	1268	1.18	1349	1.30	1429	1.42	1507	1.54	1583	1.65	—	—	—	—
2000	1049	0.93	1136	1.04	1222	1.16	1305	1.28	1386	1.40	1466	1.52	1544	1.64	—	—	—	—	—	—

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 109: ZY06 (5.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1500	810	0.49	883	0.60	954	0.70	1023	0.80	1089	0.91	1152	1.02	1213	1.14	1269	1.26	1323	1.40	1373	1.55
1600	831	0.58	904	0.68	975	0.79	1044	0.89	1110	1.00	1173	1.11	1233	1.22	1290	1.35	1344	1.49	1394	1.64
1700	854	0.66	927	0.77	998	0.87	1067	0.98	1133	1.08	1196	1.19	1256	1.31	1313	1.44	1367	1.57	1417	1.72
1800	878	0.75	952	0.86	1023	0.96	1091	1.07	1157	1.17	1221	1.28	1281	1.40	1338	1.52	1391	1.66	1441	1.81
1900	904	0.84	977	0.95	1048	1.05	1117	1.16	1183	1.26	1246	1.37	1306	1.49	1363	1.61	1417	1.75	1467	1.90
2000	931	0.93	1004	1.04	1075	1.15	1144	1.25	1210	1.36	1273	1.47	1333	1.58	1390	1.71	1444	1.84	1494	1.99
2100	959	1.03	1032	1.14	1103	1.24	1172	1.35	1238	1.45	1301	1.56	1361	1.68	1418	1.81	1472	1.94	1522	2.09
2200	988	1.13	1061	1.24	1132	1.35	1201	1.45	1267	1.56	1330	1.67	1390	1.78	1447	1.91	1501	2.04	1550	2.19
2300	1017	1.24	1091	1.35	1162	1.45	1230	1.56	1296	1.66	1359	1.77	1420	1.89	1477	2.02	1530	2.15	1580	2.30
2400	1047	1.36	1121	1.46	1192	1.57	1260	1.67	1326	1.78	1390	1.89	1450	2.01	1507	2.13	1560	2.27	—	—
2500	1078	1.48	1151	1.58	1222	1.69	1291	1.79	1357	1.90	1420	2.01	1480	2.13	1537	2.25	1591	2.39	—	—

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.857 x bhp

Table 110: ZYA7 (6.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1800	521	0.27	583	0.44	644	0.63	703	0.81	759	0.99	814	1.17	866	1.34	916	1.51	964	1.67	1010	1.83
1900	529	0.31	591	0.49	651	0.67	710	0.85	767	1.03	821	1.21	874	1.39	924	1.56	972	1.72	1017	1.87
2000	536	0.36	598	0.54	659	0.72	718	0.90	774	1.08	829	1.26	881	1.44	931	1.61	979	1.77	1025	1.92
2100	544	0.42	606	0.59	667	0.77	725	0.95	782	1.14	836	1.32	889	1.49	939	1.66	987	1.82	1032	1.97
2200	551	0.47	614	0.65	674	0.83	733	1.01	789	1.19	844	1.37	896	1.55	947	1.72	994	1.88	1040	2.03
2300	559	0.53	622	0.71	682	0.89	741	1.07	797	1.25	852	1.43	904	1.61	954	1.77	1002	1.94	1048	2.09
2400	567	0.59	630	0.77	690	0.95	749	1.13	805	1.31	860	1.49	912	1.67	962	1.84	1010	2.00	1056	2.15
2500	575	0.66	638	0.83	698	1.01	757	1.20	813	1.38	868	1.56	920	1.73	970	1.90	1018	2.06	1064	2.22
2600	584	0.73	646	0.90	707	1.08	765	1.26	822	1.45	876	1.63	929	1.80	979	1.97	1027	2.13	1072	2.28
2700	592	0.80	655	0.97	715	1.15	774	1.34	830	1.52	885	1.70	937	1.87	987	2.04	1035	2.20	1081	2.36
2800	601	0.87	664	1.05	724	1.23	783	1.41	839	1.59	894	1.77	946	1.95	996	2.12	1044	2.28	1090	2.43
2900	610	0.95	673	1.13	733	1.31	792	1.49	848	1.67	903	1.85	955	2.03	1005	2.20	1053	2.36	1099	2.51
3000	619	1.03	682	1.21	742	1.39	801	1.57	858	1.75	912	1.93	964	2.11	1015	2.28	1063	2.44	—	—

	Standard static option with motor rated at 2.4-hp>
	Medium static option with motor rated at 2.9-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 111: ZY08 (7.5 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2250	547	0.39	610	0.60	670	0.81	727	1.01	783	1.21	836	1.41	888	1.59	939	1.78	989	1.96	1038	2.13
2400	556	0.47	619	0.69	679	0.90	736	1.10	792	1.30	845	1.49	897	1.68	948	1.86	998	2.04	1047	2.22
2600	568	0.60	631	0.81	691	1.02	749	1.22	804	1.42	857	1.61	909	1.80	960	1.99	1010	2.17	1059	2.34
2800	581	0.73	644	0.95	704	1.16	762	1.36	817	1.56	871	1.75	923	1.94	973	2.13	1023	2.31	1073	2.48
3000	595	0.89	658	1.10	718	1.31	776	1.51	831	1.71	885	1.91	937	2.09	988	2.28	1038	2.46	1087	2.63
3200	610	1.05	673	1.27	733	1.48	791	1.68	846	1.88	900	2.07	952	2.26	1003	2.44	1053	2.62	—	—
3400	627	1.23	689	1.45	750	1.66	807	1.86	863	2.06	916	2.25	968	2.44	1019	2.62	1069	2.80	—	—
3600	644	1.42	707	1.64	767	1.85	824	2.05	880	2.25	933	2.44	985	2.63	1036	2.82	1086	3.00	—	—
3750	657	1.58	720	1.79	780	2.00	838	2.20	893	2.40	947	2.60	999	2.78	1049	2.97	1099	3.15	—	—

	Standard static option with motor rated at 2.4-hp>
	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 112: ZY09 (8.5 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2550	565	0.56	628	0.78	688	0.99	745	1.19	801	1.39	854	1.58	906	1.77	957	1.95	1007	2.13	1056	2.31
2600	568	0.60	631	0.81	691	1.02	749	1.22	804	1.42	857	1.61	909	1.80	960	1.99	1010	2.17	1059	2.34
2800	581	0.73	644	0.95	704	1.16	762	1.36	817	1.56	871	1.75	923	1.94	973	2.13	1023	2.31	1073	2.48
3000	595	0.89	658	1.10	718	1.31	776	1.51	831	1.71	885	1.91	937	2.09	988	2.28	1038	2.46	1087	2.63
3200	610	1.05	673	1.27	733	1.48	791	1.68	846	1.88	900	2.07	952	2.26	1003	2.44	1053	2.62	1100	2.80
3400	627	1.23	689	1.45	750	1.66	807	1.86	863	2.06	916	2.25	968	2.44	1019	2.62	1069	2.80	—	—
3600	644	1.42	707	1.64	767	1.85	824	2.05	880	2.25	933	2.44	985	2.63	1036	2.82	1086	3.00	—	—
3800	662	1.63	725	1.84	785	2.05	842	2.26	898	2.46	951	2.65	1003	2.84	1054	3.02	1100	3.20	—	—
4000	681	1.85	744	2.06	804	2.27	861	2.47	917	2.67	970	2.87	1022	3.05	1073	3.24	—	—	—	—
4200	701	2.08	764	2.29	**824**	**2.50**	881	2.70	937	2.90	990	3.09	1042	3.28	1093	3.47	—	—	—	—
4250	706	2.14	769	2.35	**829**	**2.56**	887	2.76	942	2.96	996	3.15	1048	3.34	1098	3.53	—	—	—	—

	Standard static option with motor rated at 2.4-hp>
	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 3.7-hp
Bold	Field-supplied AK79 x 1 fixed pulley (p/n 9381) with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 113: ZY12 (10 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
3000	653	0.79	706	1.02	758	1.25	808	1.49	858	1.72	907	1.95	955	2.18	1003	2.40	1049	2.62	1095	2.82
3200	667	0.94	720	1.17	771	1.40	822	1.64	872	1.88	921	2.11	969	2.34	1016	2.56	1063	2.77	1109	2.97
3400	682	1.11	734	1.34	786	1.57	837	1.81	887	2.04	936	2.28	984	2.50	1031	2.73	1078	2.94	1124	3.14
3600	697	1.29	750	1.52	802	1.76	853	1.99	903	2.23	952	2.46	1000	2.69	1047	2.91	1094	3.12	1140	3.32
3800	714	1.50	767	1.73	819	1.96	870	2.20	920	2.43	969	2.67	1017	2.90	1064	3.12	1111	3.33	1157	3.53
4000	733	1.73	786	1.96	837	2.19	888	2.43	938	2.66	987	2.90	1035	3.12	1083	3.34	1129	3.56	1174	3.76
4200	753	1.98	806	2.21	857	2.44	908	2.68	958	2.91	1007	3.15	1055	3.37	1102	3.60	1149	3.81	—	—
4400	774	2.25	827	2.48	879	2.72	930	2.95	979	3.19	1028	3.42	1076	3.65	1124	3.87	1170	4.08	—	—
4600	797	2.55	850	2.78	902	3.02	952	3.25	1002	3.49	1051	3.72	1099	3.95	1147	4.17	—	—	—	—
4800	822	2.88	874	3.11	926	3.34	977	3.58	1027	3.81	1076	4.05	1124	4.27	1171	4.50	—	—	—	—
5000	848	3.23	901	3.46	952	3.69	1003	3.93	1053	4.16	1102	4.40	1150	4.62	—	—	—	—	—	—

	Standard static option with motor rated at 2.4-hp>
	Medium static option with motor rated at 3.7-hp
	High static option with motor rated at 5.25-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZY04 to 12 bottom duct application (belt drive)

Table 114: ZY04 (3.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
900	n/a	n/a	878	0.26	976	0.37	1070	0.47	1161	0.58	1247	0.67	1329	0.76	1405	0.85	1477	0.93	1543	1.00
1000	792	0.20	894	0.31	992	0.42	1087	0.52	1177	0.62	1263	0.72	1345	0.81	1422	0.90	1493	0.98	1560	1.05
1100	810	0.26	912	0.37	1010	0.47	1104	0.58	1195	0.68	1281	0.77	1363	0.87	1439	0.95	1511	1.03	1577	1.11
1200	829	0.32	931	0.43	1029	0.54	1124	0.64	1214	0.74	1300	0.84	1382	0.93	1459	1.02	1530	1.10	1593	1.17
1300	850	0.39	952	0.50	1050	0.61	1145	0.71	1235	0.81	1321	0.91	1403	1.00	1480	1.09	1552	1.17	—	—
1400	874	0.47	975	0.58	1073	0.69	1168	0.79	1258	0.89	1344	0.99	1426	1.08	1503	1.17	1575	1.25	—	—
1500	899	0.56	1000	0.67	1098	0.77	1193	0.88	1283	0.98	1370	1.07	1451	1.17	1528	1.25	1600	1.33	—	—
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 2.9-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 115: ZY05 (4.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1200	840	0.37	929	0.46	1016	0.56	1101	0.68	1184	0.80	1265	0.93	1345	1.04	1423	1.14	1500	1.22	1576	1.28
1300	858	0.43	947	0.52	1035	0.62	1120	0.74	1203	0.86	1284	0.99	1364	1.10	1442	1.20	1519	1.28	1593	1.34
1400	879	0.49	968	0.58	1055	0.69	1140	0.81	1224	0.93	1305	1.05	1385	1.17	1463	1.27	1540	1.35	—	—
1500	903	0.56	992	0.65	1079	0.76	1164	0.88	1247	1.00	1328	1.12	1408	1.24	1486	1.34	1563	1.42	—	—
1600	929	0.64	1018	0.73	1105	0.83	1190	0.95	1273	1.07	1354	1.20	1434	1.31	1512	1.41	1589	1.49	—	—
1700	957	0.72	1047	0.81	1134	0.91	1219	1.03	1302	1.15	1383	1.28	1463	1.39	1541	1.49	—	—	—	—
1800	989	0.80	1078	0.89	1165	1.00	1250	1.12	1333	1.24	1415	1.36	1494	1.47	1572	1.58	—	—	—	—
1900	1023	0.89	1112	0.98	1199	1.08	1284	1.20	1367	1.33	1449	1.45	1528	1.56	—	—	—	—	—	—
2000	1059	0.98	1149	1.07	1236	1.18	1321	1.29	1404	1.42	1485	1.54	1565	1.65	—	—	—	—	—	—
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 2.9-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 116: ZY06 (5.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1500	840	0.48	910	0.58	977	0.67	1042	0.77	1106	0.87	1166	0.98	1225	1.08	1280	1.19	1334	1.30	1384	1.41
1600	866	0.55	935	0.65	1003	0.74	1068	0.84	1131	0.94	1192	1.04	1250	1.15	1306	1.26	1359	1.37	1410	1.48
1700	892	0.63	961	0.72	1029	0.82	1094	0.92	1157	1.02	1218	1.12	1276	1.23	1332	1.33	1385	1.44	1436	1.56
1800	918	0.71	987	0.81	1055	0.90	1120	1.00	1183	1.10	1244	1.21	1302	1.31	1358	1.42	1411	1.53	1462	1.64
1900	944	0.80	1014	0.90	1081	1.00	1146	1.09	1209	1.19	1270	1.30	1329	1.40	1384	1.51	1438	1.62	1488	1.73
2000	971	0.90	1041	1.00	1108	1.09	1174	1.19	1237	1.29	1297	1.39	1356	1.50	1412	1.61	1465	1.72	1516	1.83
2100	999	1.01	1069	1.10	1136	1.20	1202	1.30	1265	1.40	1326	1.50	1384	1.60	1440	1.71	1493	1.82	1544	1.93
2200	1028	1.12	1098	1.21	1165	1.31	1231	1.41	1294	1.51	1355	1.61	1413	1.72	1469	1.82	1522	1.93	1573	2.05
2300	1058	1.24	1128	1.33	1195	1.43	1261	1.53	1324	1.63	1385	1.73	1443	1.83	1499	1.94	1552	2.05	—	—
2400	1090	1.36	1159	1.46	1227	1.55	1292	1.65	1355	1.75	1416	1.85	1474	1.96	1530	2.07	1583	2.18	—	—
2500	1122	1.49	1191	1.59	1259	1.68	1324	1.78	1387	1.88	1448	1.98	1506	2.09	1562	2.20	1615	2.31	—	—

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.857 x bhp

Table 117: ZYA7 (6.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1800	525	0.31	590	0.48	653	0.65	713	0.82	770	0.98	825	1.15	878	1.31	928	1.48	976	1.65	1022	1.83
1900	534	0.36	599	0.53	661	0.71	721	0.87	779	1.03	834	1.20	886	1.36	936	1.53	984	1.70	1030	1.88
2000	542	0.41	607	0.59	670	0.76	730	0.93	787	1.09	842	1.25	895	1.42	945	1.58	993	1.75	1039	1.93
2100	551	0.47	616	0.65	678	0.82	738	0.99	796	1.15	850	1.31	903	1.47	953	1.64	1001	1.81	1047	1.99
2200	559	0.53	624	0.71	687	0.88	747	1.05	804	1.21	859	1.37	912	1.54	962	1.70	1010	1.88	1056	2.05
2300	568	0.60	634	0.78	696	0.95	756	1.11	813	1.28	868	1.44	921	1.60	971	1.77	1019	1.94	1065	2.12
2400	578	0.66	643	0.84	705	1.01	765	1.18	823	1.34	878	1.51	930	1.67	981	1.84	1029	2.01	1074	2.19
2500	588	0.74	653	0.91	715	1.08	775	1.25	833	1.41	888	1.58	940	1.74	991	1.91	1039	2.08	1084	2.26
2600	598	0.81	663	0.99	725	1.16	785	1.32	843	1.49	898	1.65	950	1.81	1001	1.98	1049	2.15	1094	2.33
2700	609	0.88	674	1.06	736	1.23	796	1.40	853	1.56	908	1.72	961	1.89	1011	2.05	1059	2.23	—	—
2800	620	0.96	685	1.14	747	1.31	807	1.47	864	1.64	919	1.80	972	1.96	1022	2.13	1070	2.30	—	—
2900	631	1.04	696	1.22	759	1.39	819	1.55	876	1.72	931	1.88	984	2.04	1034	2.21	1082	2.38	—	—
3000	643	1.12	708	1.30	771	1.47	830	1.64	888	1.80	943	1.96	996	2.12	1046	2.29	1094	2.46	—	—

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.9-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 118: ZY08 (7.5 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2250	556	0.45	621	0.65	683	0.83	742	1.00	798	1.18	852	1.34	904	1.51	954	1.69	1003	1.87	1050	2.06
2400	567	0.53	632	0.73	694	0.91	753	1.09	809	1.26	863	1.43	914	1.60	964	1.77	1013	1.95	1060	2.14
2600	580	0.65	646	0.85	707	1.03	766	1.21	823	1.38	876	1.55	928	1.72	978	1.89	1027	2.07	1074	2.27
2800	595	0.79	660	0.99	722	1.17	780	1.35	837	1.52	890	1.69	942	1.86	992	2.03	1041	2.21	1088	2.40
3000	609	0.94	674	1.14	736	1.32	795	1.50	851	1.67	905	1.83	957	2.00	1007	2.18	1056	2.36	1100	2.55
3200	625	1.10	690	1.30	752	1.48	810	1.66	867	1.83	921	2.00	972	2.17	1022	2.34	1071	2.52	—	—
3400	641	1.28	706	1.47	768	1.66	827	1.83	883	2.00	937	2.17	989	2.34	1039	2.52	1087	2.70	—	—
3600	658	1.47	723	1.66	785	1.85	844	2.02	900	2.19	954	2.36	1006	2.53	1056	2.70	1100	2.89	—	—
3750	672	1.61	737	1.81	799	1.99	858	2.17	914	2.34	968	2.51	1019	2.68	1069	2.85	—	—	—	—
	Standard static option with motor rated at 2.4-hp																			
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 3.7-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 119: ZY09 (8.5 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2550	577	0.62	642	0.82	704	1.00	763	1.18	819	1.35	873	1.52	925	1.69	975	1.86	1023	2.04	1071	2.23
2600	580	0.65	646	0.85	707	1.03	766	1.21	823	1.38	876	1.55	928	1.72	978	1.89	1027	2.07	1074	2.27
2800	595	0.79	660	0.99	722	1.17	780	1.35	837	1.52	890	1.69	942	1.86	992	2.03	1041	2.21	1088	2.40
3000	609	0.94	674	1.14	736	1.32	795	1.50	851	1.67	905	1.83	957	2.00	1007	2.18	1056	2.36	1103	2.55
3200	625	1.10	690	1.30	752	1.48	810	1.66	867	1.83	921	2.00	972	2.17	1022	2.34	1071	2.52	—	—
3400	641	1.28	706	1.47	768	1.66	827	1.83	883	2.00	937	2.17	989	2.34	1039	2.52	1087	2.70	—	—
3600	658	1.47	723	1.66	785	1.85	844	2.02	900	2.19	954	2.36	1006	2.53	1056	2.70	1104	2.89	—	—
3800	676	1.67	742	1.86	803	2.04	862	2.22	918	2.39	972	2.56	1024	2.73	1074	2.90	—	—	—	—
4000	696	1.88	761	2.07	823	2.26	882	2.43	938	2.60	992	2.77	1043	2.94	1093	3.12	—	—	—	—
4200	716	2.10	781	2.29	**843**	**2.48**	902	2.65	958	2.82	1012	2.99	1064	3.16	1114	3.34	—	—	—	—
4250	721	2.16	786	2.35	848	2.53	907	2.71	963	2.88	1017	3.05	1069	3.22	1119	3.39	—	—	—	—
	Standard static option with motor rated at 2.4-hp																			
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 3.7-hp																			
Bold	Field-supplied AK79 x 1 fixed pulley (p/n 9381) with motor rated at 3.7-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 120: ZY12 (10 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2600	626	0.50	679	0.73	731	0.97	782	1.20	831	1.44	880	1.67	928	1.90	976	2.12	1022	2.33	1068	2.53
2800	639	0.64	692	0.87	744	1.11	795	1.34	845	1.58	894	1.81	942	2.04	989	2.26	1036	2.47	1082	2.67
3000	653	0.79	706	1.02	758	1.25	808	1.49	858	1.72	907	1.95	955	2.18	1003	2.40	1049	2.62	1095	2.82
3200	667	0.94	720	1.17	771	1.40	822	1.64	872	1.88	921	2.11	969	2.34	1016	2.56	1063	2.77	1109	2.97
3400	682	1.11	734	1.34	786	1.57	837	1.81	887	2.04	936	2.28	984	2.50	1031	2.73	1078	2.94	1124	3.14
3600	697	1.29	750	1.52	802	1.76	853	1.99	903	2.23	952	2.46	1000	2.69	1047	2.91	1094	3.12	1140	3.32
3800	714	1.50	767	1.73	819	1.96	870	2.20	920	2.43	969	2.67	1017	2.90	1064	3.12	1111	3.33	1157	3.53
4000	733	1.73	786	1.96	837	2.19	888	2.43	938	2.66	987	2.90	1035	3.12	1083	3.34	1129	3.56	1175	3.76
4200	753	1.98	806	2.21	857	2.44	908	2.68	958	2.91	1007	3.15	1055	3.37	1102	3.60	1149	3.81	1195	4.01
4400	774	2.25	827	2.48	879	2.72	930	2.95	979	3.19	1028	3.42	1076	3.65	1124	3.87	1170	4.08	1216	4.28
4600	797	2.55	850	2.78	902	3.02	952	3.25	1002	3.49	1051	3.72	1099	3.95	1147	4.17	1193	4.38	1239	4.58
4800	822	2.88	874	3.11	926	3.34	977	3.58	1027	3.81	1076	4.05	1124	4.27	1171	4.50	1218	4.71	—	—
5000	848	3.23	901	3.46	952	3.69	1003	3.93	1053	4.16	1102	4.40	1150	4.62	1197	4.84	1242	5.06	—	—

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 3.7-hp
	High static option with motor rated at 5.25-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZL04 to ZL06 side duct application (belt drive)

Table 121: ZL04 (3.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
900	n/a	n/a	874	0.31	972	0.40	1065	0.50	1153	0.60	1236	0.70	1315	0.80	1390	0.89	1460	0.97	1526	1.05
1000	n/a	n/a	887	0.36	985	0.45	1078	0.55	1165	0.65	1249	0.75	1328	0.85	1402	0.94	1472	1.03	1539	1.10
1100	797	0.33	900	0.42	998	0.51	1091	0.61	1179	0.71	1263	0.81	1341	0.91	1416	1.00	1486	1.08	1553	1.16
1200	813	0.40	916	0.48	1014	0.57	1107	0.67	1195	0.77	1279	0.87	1357	0.97	1432	1.06	1502	1.15	1569	1.22
1300	831	0.46	935	0.55	1033	0.64	1126	0.74	1214	0.84	1297	0.94	1376	1.03	1450	1.13	1520	1.21	1583	1.28
1400	852	0.53	956	0.61	1054	0.71	1146	0.80	1234	0.90	1318	1.00	1396	1.10	1471	1.19	1541	1.28	--	--
1500	876	0.59	979	0.68	1077	0.77	1170	0.87	1258	0.97	1341	1.07	1420	1.17	1494	1.26	1565	1.34	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 122: ZL05 (4.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1200	840	0.30	927	0.41	1012	0.53	1096	0.65	1177	0.77	1257	0.89	1334	1.01	1411	1.12	1485	1.22	1558	1.31
1300	857	0.35	944	0.47	1029	0.59	1112	0.71	1194	0.83	1273	0.95	1351	1.07	1427	1.18	1502	1.28	1574	1.37
1400	875	0.42	962	0.53	1048	0.65	1131	0.77	1212	0.89	1292	1.01	1370	1.13	1446	1.24	1520	1.34	1593	1.43
1500	897	0.49	984	0.60	1069	0.72	1152	0.84	1233	0.96	1313	1.08	1391	1.20	1467	1.31	1542	1.41	--	--
1600	921	0.56	1008	0.67	1093	0.79	1176	0.91	1258	1.04	1337	1.16	1415	1.27	1491	1.38	1566	1.49	--	--
1700	948	0.64	1035	0.76	1120	0.87	1204	1.00	1285	1.12	1365	1.24	1442	1.36	1518	1.47	1593	1.57	--	--
1800	979	0.73	1066	0.85	1151	0.96	1234	1.08	1315	1.21	1395	1.33	1473	1.44	1549	1.56	--	--	--	--
1900	1012	0.83	1099	0.94	1185	1.06	1268	1.18	1349	1.30	1429	1.42	1507	1.54	1583	1.65	--	--	--	--
2000	1049	0.93	1136	1.04	1222	1.16	1305	1.28	1386	1.40	1466	1.52	1544	1.64	--	--	--	--	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 123: ZL06 (5.0 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1500	810	0.49	883	0.60	954	0.70	1023	0.80	1089	0.91	1152	1.02	1213	1.14	1269	1.26	1323	1.40	1373	1.55
1600	831	0.58	904	0.68	975	0.79	1044	0.89	1110	1.00	1173	1.11	1233	1.22	1290	1.35	1344	1.49	1394	1.64
1700	854	0.66	927	0.77	998	0.87	1067	0.98	1133	1.08	1196	1.19	1256	1.31	1313	1.44	1367	1.57	1417	1.72
1800	878	0.75	952	0.86	1023	0.96	1091	1.07	1157	1.17	1221	1.28	1281	1.40	1338	1.52	1391	1.66	1441	1.81
1900	904	0.84	977	0.95	1048	1.05	1117	1.16	1183	1.26	1246	1.37	1306	1.49	1363	1.61	1417	1.75	1467	1.90
2000	931	0.93	1004	1.04	1075	1.15	1144	1.25	1210	1.36	1273	1.47	1333	1.58	1390	1.71	1444	1.84	1494	1.99
2100	959	1.03	1032	1.14	1103	1.24	1172	1.35	1238	1.45	1301	1.56	1361	1.68	1418	1.81	1472	1.94	1522	2.09
2200	988	1.13	1061	1.24	1132	1.35	1201	1.45	1267	1.56	1330	1.67	1390	1.78	1447	1.91	1501	2.04	1550	2.19
2300	1017	1.24	1091	1.35	1162	1.45	1230	1.56	1296	1.66	1359	1.77	1420	1.89	1477	2.02	1530	2.15	1580	2.30
2400	1047	1.36	1121	1.46	1192	1.57	1260	1.67	1326	1.78	1390	1.89	1450	2.01	1507	2.13	1560	2.27	--	--
2500	1078	1.48	1151	1.58	1222	1.69	1291	1.79	1357	1.90	1420	2.01	1480	2.13	1537	2.25	1591	2.39	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.857 x bhp

ZL04 to ZL06 bottom duct application (belt drive)

Table 124: ZL04 (3.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
900	n/a	n/a	878	0.26	976	0.37	1070	0.47	1161	0.58	1247	0.67	1329	0.76	1405	0.85	1477	0.93	1543	1.00
1000	792	0.20	894	0.31	992	0.42	1087	0.52	1177	0.62	1263	0.72	1345	0.81	1422	0.90	1493	0.98	1560	1.05
1100	810	0.26	912	0.37	1010	0.47	1104	0.58	1195	0.68	1281	0.77	1363	0.87	1439	0.95	1511	1.03	1577	1.11
1200	829	0.32	931	0.43	1029	0.54	1124	0.64	1214	0.74	1300	0.84	1382	0.93	1459	1.02	1530	1.10	1593	1.17
1300	850	0.39	952	0.50	1050	0.61	1145	0.71	1235	0.81	1321	0.91	1403	1.00	1480	1.09	1552	1.17	--	--
1400	874	0.47	975	0.58	1073	0.69	1168	0.79	1258	0.89	1344	0.99	1426	1.08	1503	1.17	1575	1.25	--	--
1500	899	0.56	1000	0.67	1098	0.77	1193	0.88	1283	0.98	1370	1.07	1451	1.17	1528	1.25	1600	1.33	--	--
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 2.9-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 125: ZL05 (4.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1200	840	0.37	929	0.46	1016	0.56	1101	0.68	1184	0.80	1265	0.93	1345	1.04	1423	1.14	1500	1.22	1576	1.28
1300	858	0.43	947	0.52	1035	0.62	1120	0.74	1203	0.86	1284	0.99	1364	1.10	1442	1.20	1519	1.28	1593	1.34
1400	879	0.49	968	0.58	1055	0.69	1140	0.81	1224	0.93	1305	1.05	1385	1.17	1463	1.27	1540	1.35	--	--
1500	903	0.56	992	0.65	1079	0.76	1164	0.88	1247	1.00	1328	1.12	1408	1.24	1486	1.34	1563	1.42	--	--
1600	929	0.64	1018	0.73	1105	0.83	1190	0.95	1273	1.07	1354	1.20	1434	1.31	1512	1.41	1589	1.49	--	---
1700	957	0.72	1047	0.81	1134	0.91	1219	1.03	1302	1.15	1383	1.28	1463	1.39	1541	1.49	--	--	--	--
1800	989	0.80	1078	0.89	1165	1.00	1250	1.12	1333	1.24	1415	1.36	1494	1.47	1572	1.58	--	--	--	--
1900	1023	0.89	1112	0.98	1199	1.08	1284	1.20	1367	1.33	1449	1.45	1528	1.56	--	--	--	--	--	--
2000	1059	0.98	1149	1.07	1236	1.18	1321	1.29	1404	1.42	1485	1.54	1565	1.65	--	--	--	--	--	--
	Medium static option with motor rated at 2.4-hp																			
	High static option with motor rated at 2.9-hp																			
--	Exceeds recommended blower speed																			

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 126: ZL06 (5.0 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
1500	840	0.48	910	0.58	977	0.67	1042	0.77	1106	0.87	1166	0.98	1225	1.08	1280	1.19	1334	1.30	1384	1.41
1600	866	0.55	935	0.65	1003	0.74	1068	0.84	1131	0.94	1192	1.04	1250	1.15	1306	1.26	1359	1.37	1410	1.48
1700	892	0.63	961	0.72	1029	0.82	1094	0.92	1157	1.02	1218	1.12	1276	1.23	1332	1.33	1385	1.44	1436	1.56
1800	918	0.71	987	0.81	1055	0.90	1120	1.00	1183	1.10	1244	1.21	1302	1.31	1358	1.42	1411	1.53	1462	1.64
1900	944	0.80	1014	0.90	1081	1.00	1146	1.09	1209	1.19	1270	1.30	1329	1.40	1384	1.51	1438	1.62	1488	1.73
2000	971	0.90	1041	1.00	1108	1.09	1174	1.19	1237	1.29	1297	1.39	1356	1.50	1412	1.61	1465	1.72	1516	1.83
2100	999	1.01	1069	1.10	1136	1.20	1202	1.30	1265	1.40	1326	1.50	1384	1.60	1440	1.71	1493	1.82	1544	1.93
2200	1028	1.12	1098	1.21	1165	1.31	1231	1.41	1294	1.51	1355	1.61	1413	1.72	1469	1.82	1522	1.93	1573	2.05
2300	1058	1.24	1128	1.33	1195	1.43	1261	1.53	1324	1.63	1385	1.73	1443	1.83	1499	1.94	1552	2.05	--	--
2400	1090	1.36	1159	1.46	1227	1.55	1292	1.65	1355	1.75	1416	1.85	1474	1.96	1530	2.07	1583	2.18	--	--
2500	1122	1.49	1191	1.59	1259	1.68	1324	1.78	1387	1.88	1448	1.98	1506	2.09	1562	2.20	1615	2.31	--	--

	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 2.9-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.857 x bhp

ZL08 to 14 side duct application (belt drive)

Table 127: ZL 08 (7.5 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2250	547	0.39	610	0.60	670	0.81	727	1.01	783	1.21	836	1.41	888	1.59	939	1.78	989	1.96	1038	2.13
2400	556	0.47	619	0.69	679	0.90	736	1.10	792	1.30	845	1.49	897	1.68	948	1.86	998	2.04	1047	2.22
2600	568	0.60	631	0.81	691	1.02	749	1.22	804	1.42	857	1.61	909	1.80	960	1.99	1010	2.17	1059	2.34
2800	581	0.73	644	0.95	704	1.16	762	1.36	817	1.56	871	1.75	923	1.94	973	2.13	1023	2.31	1073	2.48
3000	595	0.89	658	1.10	718	1.31	776	1.51	831	1.71	885	1.91	937	2.09	988	2.28	1038	2.46	1087	2.63
3200	610	1.05	673	1.27	733	1.48	791	1.68	846	1.88	900	2.07	952	2.26	1003	2.44	1053	2.62	--	--
3400	627	1.23	689	1.45	750	1.66	807	1.86	863	2.06	916	2.25	968	2.44	1019	2.62	1069	2.80	--	--
3600	644	1.42	707	1.64	767	1.85	824	2.05	880	2.25	933	2.44	985	2.63	1036	2.82	1086	3.00	--	--
3750	657	1.58	720	1.79	780	2.00	838	2.20	893	2.40	947	2.60	999	2.78	1049	2.97	1099	3.15	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 128: ZL 09 (8.5 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2550	565	0.56	628	0.78	688	0.99	745	1.19	801	1.39	854	1.58	906	1.77	957	1.95	1007	2.13	1056	2.31
2600	568	0.60	631	0.81	691	1.02	749	1.22	804	1.42	857	1.61	909	1.80	960	1.99	1010	2.17	1059	2.34
2800	581	0.73	644	0.95	704	1.16	762	1.36	817	1.56	871	1.75	923	1.94	973	2.13	1023	2.31	1073	2.48
3000	595	0.89	658	1.10	718	1.31	776	1.51	831	1.71	885	1.91	937	2.09	988	2.28	1038	2.46	1087	2.63
3200	610	1.05	673	1.27	733	1.48	791	1.68	846	1.88	900	2.07	952	2.26	1003	2.44	1053	2.62	1100	2.80
3400	627	1.23	689	1.45	750	1.66	807	1.86	863	2.06	916	2.25	968	2.44	1019	2.62	1069	2.80	--	--
3600	644	1.42	707	1.64	767	1.85	824	2.05	880	2.25	933	2.44	985	2.63	1036	2.82	1086	3.00	--	--
3800	662	1.63	725	1.84	785	2.05	842	2.26	898	2.46	951	2.65	1003	2.84	1054	3.02	1100	3.20	--	--
4000	681	1.85	744	2.06	804	2.27	861	2.47	917	2.67	970	2.87	1022	3.05	1073	3.24	--	--	--	--
4200	701	2.08	764	2.29	**824**	**2.50**	881	2.70	937	2.90	990	3.09	1042	3.28	1093	3.47	--	--	--	--
4250	706	2.14	769	2.35	**829**	**2.56**	887	2.76	942	2.96	996	3.15	1048	3.34	1098	3.53	--	--	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.4-hp
	High static option with motor rated at 3.7-hp
Bold	Field-supplied BK95 x 1 fixed pulley (p/n 9381) with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 129: ZL 12 (10 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
3000	653	0.79	706	1.02	758	1.25	808	1.49	858	1.72	907	1.95	955	2.18	1003	2.4	1049	2.62	1095	2.82
3200	667	0.94	720	1.17	771	1.40	822	1.64	872	1.88	921	2.11	969	2.34	1016	2.56	1063	2.77	1109	2.97
3400	682	1.11	734	1.34	786	1.57	837	1.81	887	2.04	936	2.28	984	2.5	1031	2.73	1078	2.94	1124	3.14
3600	697	1.29	750	1.52	802	1.76	853	1.99	903	2.23	952	2.46	1000	2.69	1047	2.91	1094	3.12	1140	3.32
3800	714	1.50	767	1.73	819	1.96	870	2.20	920	2.43	969	2.67	1017	2.90	1064	3.12	1111	3.33	1157	3.53
4000	733	1.73	786	1.96	837	2.19	888	2.43	938	2.66	987	2.90	1035	3.12	1083	3.34	1129	3.56	1174	3.76
4200	753	1.98	806	2.21	857	2.44	908	2.68	958	2.91	1007	3.15	1055	3.37	1102	3.6	1149	3.81	--	--
4400	774	2.25	827	2.48	879	2.72	930	2.95	979	3.19	1028	3.42	1076	3.65	1124	3.87	1170	4.08	--	--
4600	797	2.55	850	2.78	902	3.02	952	3.25	1002	3.49	1051	3.72	1099	3.95	1147	4.17	--	--	--	--
4800	822	2.88	874	3.11	926	3.34	977	3.58	1027	3.81	1076	4.05	1124	4.27	1171	4.50	--	--	--	--
5000	848	3.23	901	3.46	952	3.69	1003	3.93	1053	4.16	1102	4.4	1150	4.62	--	--	--	--	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.9-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 130: ZL14 (12.5 ton) side duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
3750	684	1.33	741	1.56	792	1.81	840	2.07	884	2.33	927	2.60	971	2.85	1017	3.09	1066	3.30	1121	3.49
3800	688	1.38	745	1.61	797	1.85	844	2.12	888	2.38	932	2.65	976	2.90	1021	3.14	1071	3.35	1125	3.54
4000	706	1.58	763	1.81	814	2.06	861	2.32	906	2.59	949	2.85	993	3.11	1039	3.35	1088	3.56	1142	3.74
4200	724	1.81	781	2.04	832	2.29	879	2.55	924	2.82	967	3.08	1011	3.34	1057	3.57	1106	3.79	1160	3.97
4400	742	2.06	799	2.29	850	2.54	897	2.80	942	3.06	985	3.33	1029	3.58	1075	3.82	1124	4.03	1178	4.22
4600	760	2.32	817	2.55	869	2.80	916	3.06	960	3.33	1004	3.59	1048	3.85	1093	4.08	1143	4.30	--	--
4800	779	2.60	836	2.83	888	3.08	935	3.34	979	3.61	1023	3.88	1067	4.13	1112	4.37	1162	4.58	--	--
5000	799	2.91	856	3.14	907	3.39	954	3.65	999	3.91	1042	4.18	1086	4.43	1132	4.67	--	--	--	--
5200	819	3.23	876	3.46	927	3.71	974	3.97	1019	4.23	1062	4.50	1106	4.75	1152	4.99	--	--	--	--
5400	839	3.57	896	3.80	953	4.04	995	4.31	1039	4.57	1083	4.84	1127	5.09	--	--	--	--	--	--
5600	860	3.92	917	4.15	969	4.40	1016	4.66	1060	4.93	1104	5.19	--	--	--	--	--	--	--	--
5800	882	4.30	939	4.53	990	4.77	1037	5.04	--	--	--	--	--	--	--	--	--	--	--	--
6000	904	4.69	961	4.92	1012	5.17	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	Standard static option with motor rated at 2.9-hp
	Medium static option with motor rated at 3.7-hp
	High static option with motor rated at 5.25-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZL08 to 14 bottom duct application (belt drive)

Table 131: ZL08 (7.5 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2250	556	0.45	621	0.65	683	0.83	742	1.00	798	1.18	852	1.34	904	1.51	954	1.69	1003	1.87	1050	2.06
2400	567	0.53	632	0.73	694	0.91	753	1.09	809	1.26	863	1.43	914	1.60	964	1.77	1013	1.95	1060	2.14
2600	580	0.65	646	0.85	707	1.03	766	1.21	823	1.38	876	1.55	928	1.72	978	1.89	1027	2.07	1074	2.27
2800	595	0.79	660	0.99	722	1.17	780	1.35	837	1.52	890	1.69	942	1.86	992	2.03	1041	2.21	1088	2.40
3000	609	0.94	674	1.14	736	1.32	795	1.50	851	1.67	905	1.83	957	2.00	1007	2.18	1056	2.36	1100	2.55
3200	625	1.10	690	1.30	752	1.48	810	1.66	867	1.83	921	2.00	972	2.17	1022	2.34	1071	2.52	--	--
3400	641	1.28	706	1.47	768	1.66	827	1.83	883	2.00	937	2.17	989	2.34	1039	2.52	1087	2.70	--	--
3600	658	1.47	723	1.66	785	1.85	844	2.02	900	2.19	954	2.36	1006	2.53	1056	2.70	1100	2.89	--	--
3750	672	1.61	737	1.81	799	1.99	858	2.17	914	2.34	968	2.51	1019	2.68	1069	2.85	--	--	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.9-hp
	High static option with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 132: ZL09 (8.5 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2550	577	0.62	642	0.82	704	1.00	763	1.18	819	1.35	873	1.52	925	1.69	975	1.86	1023	2.04	1071	2.23
2600	580	0.65	646	0.85	707	1.03	766	1.21	823	1.38	876	1.55	928	1.72	978	1.89	1027	2.07	1074	2.27
2800	595	0.79	660	0.99	722	1.17	780	1.35	837	1.52	890	1.69	942	1.86	992	2.03	1041	2.21	1088	2.40
3000	609	0.94	674	1.14	736	1.32	795	1.50	851	1.67	905	1.83	957	2.00	1007	2.18	1056	2.36	1103	2.55
3200	625	1.10	690	1.30	752	1.48	810	1.66	867	1.83	921	2.00	972	2.17	1022	2.34	1071	2.52	--	--
3400	641	1.28	706	1.47	768	1.66	827	1.83	883	2.00	937	2.17	989	2.34	1039	2.52	1087	2.70	--	--
3600	658	1.47	723	1.66	785	1.85	844	2.02	900	2.19	954	2.36	1006	2.53	1056	2.7	1104	2.89	--	--
3800	676	1.67	742	1.86	803	2.04	862	2.22	918	2.39	972	2.56	1024	2.73	1074	2.90	--	--	--	--
4000	696	1.88	761	2.07	823	2.26	882	2.43	938	2.6	992	2.77	1043	2.94	1093	3.12	--	--	--	--
4200	716	2.1	781	2.29	**843**	**2.48**	902	2.65	958	2.82	1012	2.99	1064	3.16	1114	3.34	--	--	--	--
4250	721	2.16	786	2.35	848	2.53	907	2.71	963	2.88	1017	3.05	1069	3.22	1119	3.39	--	--	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 2.9-hp
	High static option with motor rated at 3.7-hp
Bold	Field-supplied BK95 x 1 fixed pulley (p/n 9381) with motor rated at 3.7-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 133: ZL12 (10 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
2600	626	0.5	679	0.73	731	0.97	782	1.20	831	1.44	880	1.67	928	1.9	976	2.12	1022	2.33	1068	2.53
2800	639	0.64	692	0.87	744	1.11	795	1.34	845	1.58	894	1.81	942	2.04	989	2.26	1036	2.47	1082	2.67
3000	653	0.79	706	1.02	758	1.25	808	1.49	858	1.72	907	1.95	955	2.18	1003	2.40	1049	2.62	1095	2.82
3200	667	0.94	720	1.17	771	1.40	822	1.64	872	1.88	921	2.11	969	2.34	1016	2.56	1063	2.77	1109	2.97
3400	682	1.11	734	1.34	786	1.57	837	1.81	887	2.04	936	2.28	984	2.50	1031	2.73	1078	2.94	1124	3.14
3600	697	1.29	750	1.52	802	1.76	853	1.99	903	2.23	952	2.46	1000	2.69	1047	2.91	1094	3.12	1140	3.32
3800	714	1.5	767	1.73	819	1.96	870	2.20	920	2.43	969	2.67	1017	2.90	1064	3.12	1111	3.33	1157	3.53
4000	733	1.73	786	1.96	837	2.19	888	2.43	938	2.66	987	2.90	1035	3.12	1083	3.34	1129	3.56	1175	3.76
4200	753	1.98	806	2.21	857	2.44	908	2.68	958	2.91	1007	3.15	1055	3.37	1102	3.6	1149	3.81	1195	4.01
4400	774	2.25	827	2.48	879	2.72	930	2.95	979	3.19	1028	3.42	1076	3.65	1124	3.87	1170	4.08	1216	4.28
4600	797	2.55	850	2.78	902	3.02	952	3.25	1002	3.49	1051	3.72	1099	3.95	1147	4.17	1193	4.38	1239	4.58
4800	822	2.88	874	3.11	926	3.34	977	3.58	1027	3.81	1076	4.05	1124	4.27	1171	4.5	1218	4.71	--	--
5000	848	3.23	901	3.46	952	3.69	1003	3.93	1053	4.16	1102	4.40	1150	4.62	1197	4.84	1242	5.06	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 3.7-hp
	High static option with motor rated at 5.25-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

Table 134: ZL14 (12.5 ton) bottom duct

cfm	Available external static pressure - IWG[1]																			
	0.2		0.4		0.6		0.8		1.0		1.2		1.4		1.6		1.8		2.0	
	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp	rpm	bhp
3750	715	1.46	762	1.68	810	1.91	858	2.13	907	2.36	957	2.58	1008	2.80	1060	3.02	1113	3.24	1167	3.46
3800	720	1.51	766	1.73	814	1.96	862	2.18	911	2.41	961	2.63	1012	2.85	1064	3.07	1117	3.29	1171	3.51
4000	737	1.72	784	1.94	832	2.17	880	2.39	929	2.62	979	2.84	1030	3.07	1082	3.29	1135	3.51	--	--
4200	756	1.95	803	2.17	851	2.40	899	2.63	948	2.85	998	3.07	1049	3.30	1101	3.52	1154	3.74	--	--
4400	777	2.20	824	2.42	871	2.65	920	2.87	969	3.10	1019	3.32	1069	3.55	1121	3.77	1174	3.98	--	--
4600	799	2.47	846	2.69	893	2.92	941	3.14	990	3.37	1040	3.59	1091	3.81	1143	4.04	--	--	--	--
4800	822	2.75	869	2.98	916	3.20	965	3.43	1014	3.65	1064	3.88	1114	4.10	1166	4.32	--	--	--	--
5000	846	3.06	893	3.28	941	3.51	989	3.73	1038	3.96	1088	4.18	1139	4.41	--	--	--	--	--	--
5200	872	3.39	919	3.61	966	3.83	1015	4.06	1064	4.28	1114	4.51	1164	4.73	--	--	--	--	--	--
5400	899	3.73	946	3.95	993	4.18	1042	4.40	1091	4.63	1141	4.85	--	--	--	--	--	--	--	--
5600	927	4.09	974	4.32	1021	4.54	1070	4.77	1119	4.99	1169	5.22	--	--	--	--	--	--	--	--
5800	956	4.47	1003	4.70	1051	4.92	1099	5.15	--	--	--	--	--	--	--	--	--	--	--	--
6000	987	4.87	1034	5.10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

	Standard static option with motor rated at 2.4-hp
	Medium static option with motor rated at 3.7-hp
	High static option with motor rated at 5.25-hp
--	Exceeds recommended blower speed

1 Blower performance includes gas heat exchangers and 2 in. filters. See static resistance table for additional applications. **Note:** See rpm selection table to determine required motor sheave setting and to determine the maximum continuous bhp. kW = 0.929 x bhp

ZQ04 to 06 side duct application (direct drive)

Table 135: ZQ04 to 06 side duct (cooling)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZQ04 (3)	1 (Low)	1147	152	659	988	181	787	901	203	891	800	226	987	682	247	1071
	2 (Med/Low)	1214	175	683	1094	206	810	965	232	896	898	258	1003	794	276	1084
	3 (Med)	1402	234	735	1324	264	835	1161	302	947	1074	329	1034	986	351	1114
	4 (Med/Hi)	1570	310	791	1512	348	884	1429	381	977	1253	420	1079	1130	423	1148
	5 (Hi)	1825	448	866	1769	487	946	1705	521	1023	1610	559	1107	1229	472	1159
ZQ05 (4)	1 (Low)	1412	261	793	1322	290	884	1244	321	966	1109	347	1059	1035	369	1131
	2 (Med/Low)	1521	313	831	1461	349	920	1382	374	989	1283	400	1072	1166	426	1150
	3 (Med)	1636	376	874	1574	413	959	1487	441	1034	1413	465	1099	1184	446	1164
	4 (Med/Hi)	1813	484	937	1747	522	1013	1668	552	1088	1581	565	1141	1212	458	1170
	5 (Hi)	2351	920	1111	2129	819	1138	1912	718	1153	1678	622	1164	1378	513	1176
ZQ06 (5)	1 (Low)	1692	345	727	1583	374	797	1482	403	866	1380	437	939	1262	462	1000
	2 (Med/Low)	1849	438	779	1755	468	843	1667	495	902	1552	530	971	1439	558	1033
	3 (Med)	1989	532	818	1904	564	877	1828	598	935	1738	628	994	1633	664	1058
	4 (Med/Hi)	2159	673	876	2087	713	931	2010	729	985	1933	778	1035	1859	812	1091
	5 (Hi)	2349	852	928	2270	887	978	2195	922	1028	2118	947	1075	1973	914	1109

Table 136: ZQ04 to 06 side duct (gas heat)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZQ04 (3)	1 (Low)	1094	165	715	956	187	828	851	213	932	752	237	1026	638	253	1100
	2 (Med/Low)	1180	189	735	1064	216	842	940	242	945	849	263	1029	748	286	1116
	3 (Med)	1353	251	790	1271	280	883	1138	310	979	1036	338	1068	958	362	1144
	4 (Med/Hi)	1517	340	863	1450	374	940	1364	398	1021	1232	434	1114	1022	393	1163
	5 (Hi)	1763	490	953	1690	520	1020	1619	549	1086	1442	525	1140	1070	413	1168
ZQ05 (4)	1 (Low)	1356	285	870	1280	308	939	1185	332	1019	1074	364	1113	850	343	1179
	2 (Med/Low)	1459	349	920	1390	371	985	1306	393	1050	1195	421	1133	862	350	1182
	3 (Med)	1553	412	973	1475	442	1039	1415	462	1092	1289	469	1155	880	357	1182
	4 (Med/Hi)	1718	530	1040	1645	562	1102	1534	555	1147	1377	510	1165	961	390	1183
	5 (Hi)	1955	737	1146	1780	665	1156	1587	599	1168	1407	529	1175	902	366	1186
ZQ06 (5)	1 (Low)	1570	372	791	1463	399	855	1358	425	918	1260	456	983	1161	481	1044
	2 (Med/Low)	1740	468	845	1638	496	903	1543	529	965	1454	553	1015	1360	578	1070
	3 (Med)	1882	569	889	1786	601	947	1687	629	1002	1587	660	1053	1487	680	1105
	4 (Med/Hi)	2052	732	955	1967	749	999	1883	778	1049	1788	808	1099	1621	778	1130
	5 (Hi)	2227	905	1004	2138	937	1051	2038	947	1091	1869	887	1118	1662	811	1137

ZQ04 to 06 bottom duct application (direct drive)

Table 137: ZQ04 to 06 bottom duct (cooling)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZQ04 (3)	1 (Low)	1086	165	721	929	192	837	861	211	927	769	235	1023	636	253	1108
	2 (Med/Low)	1171	192	745	1035	221	856	946	241	944	868	267	1037	771	290	1119
	3 (Med)	1328	257	806	1255	280	890	1106	316	993	1038	336	1068	944	354	1148
	4 (Med/Hi)	1509	340	867	1449	376	953	1309	407	1046	1210	436	1121	1002	387	1162
	5 (Hi)	1740	490	959	1683	522	1033	1618	555	1101	1315	500	1149	1037	404	1168
ZQ05 (4)	1 (Low)	1330	284	863	1261	302	929	1172	329	1006	1053	353	1088	970	376	1162
	2 (Med/Low)	1458	349	917	1385	372	981	1307	395	1047	1174	421	1129	1023	398	1170
	3 (Med)	1553	414	965	1477	440	1033	1427	461	1086	1334	480	1148	1017	400	1175
	4 (Med/Hi)	1714	532	1041	1638	563	1107	1555	563	1143	1374	503	1161	1033	406	1176
	5 (Hi)	1935	740	1150	1768	667	1160	1610	610	1167	1421	536	1175	1061	421	1183
ZQ06 (5)	1 (Low)	1600	355	759	1518	390	831	1437	418	897	1324	445	961	1224	469	1020
	2 (Med/Low)	1760	449	811	1676	486	879	1587	514	938	1497	547	999	1414	574	1057
	3 (Med)	1898	554	859	1809	587	921	1735	619	977	1641	647	1035	1549	675	1088
	4 (Med/Hi)	2072	708	923	1991	741	977	1917	775	1029	1836	802	1079	1702	794	1122
	5 (Hi)	2228	884	980	2151	919	1031	2072	944	1077	1945	914	1109	1731	822	1131

Table 138: ZQ04 to 06 bottom duct (gas heat)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZQ04 (3)	1 (Low)	1047	167	733	903	195	854	808	220	956	693	238	1042	567	254	1115
	2 (Med/Low)	1122	197	769	995	225	876	899	252	979	804	276	1065	682	294	1143
	3 (Med)	1275	262	829	1197	291	916	1058	324	1025	963	350	1108	792	334	1165
	4 (Med/Hi)	1461	353	895	1391	381	972	1279	415	1064	1123	432	1146	854	355	1169
	5 (Hi)	1674	506	993	1620	538	1061	1533	555	1123	1179	463	1161	885	369	1176
ZQ05 (4)	1 (Low)	1301	300	911	1211	324	986	1112	349	1062	1007	371	1144	738	318	1184
	2 (Med/Low)	1408	366	970	1331	390	1041	1232	416	1117	1061	401	1169	693	306	1184
	3 (Med)	1496	436	1019	1425	459	1079	1331	482	1146	1083	415	1171	717	316	1184
	4 (Med/Hi)	1641	553	1091	1566	566	1138	1392	520	1160	1104	429	1176	738	321	1185
	5 (Hi)	1779	680	1160	1630	621	1167	1428	547	1174	1144	447	1184	761	332	1191
ZQ06 (5)	1 (Low)	1572	373	802	1466	402	868	1378	434	935	1264	461	999	1183	484	1055
	2 (Med/Low)	1718	475	859	1632	508	920	1531	535	980	1438	562	1036	1344	592	1094
	3 (Med)	1868	578	908	1777	606	961	1687	639	1019	1591	666	1074	1474	678	1122
	4 (Med/Hi)	2019	740	976	1944	770	1023	1859	797	1070	1743	796	1114	1528	728	1139
	5 (Hi)	2182	927	1035	2089	949	1080	1961	918	1109	1808	854	1128	1552	737	1144

ZY04 to 06 side duct application (direct drive)

Table 139: ZY04 to 06 side duct (cooling)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZY04 (3)	1 (Low)	987	120	651	813	145	774	698	162	864	541	180	959	383	201	1047
	2 (Med/Low)	1079	144	677	936	171	795	793	190	886	692	214	975	521	232	1063
	3 (Med)	1153	166	701	1037	195	812	875	221	913	786	239	986	654	263	1076
	4 (Med/Hi)	1191	178	712	1086	206	815	927	233	916	837	257	998	711	278	1083
	5 (Hi)	1728	484	959	1649	515	1027	1579	544	1089	1425	524	1138	1001	405	1168
ZY05 (4)	1 (Low)	1302	207	727	1188	240	841	1037	266	933	941	296	1022	882	318	1098
	2 (Med/Low)	1421	247	757	1323	282	861	1209	315	958	1064	346	1043	993	368	1116
	3 (Med)	1538	297	795	1453	332	888	1343	367	982	1216	396	1058	1093	427	1146
	4 (Med/Hi)	1571	315	809	1496	352	898	1385	389	996	1288	420	1072	1135	444	1147
	5 (Hi)	1779	432	878	1707	470	960	1615	511	1042	1516	544	1123	1165	468	1160
ZY06 (5)	1 (Low)	1588	298	695	1517	330	761	1409	358	835	1273	393	913	1167	418	973
	2 (Med/Low)	1624	321	713	1557	352	777	1464	383	845	1315	418	924	1224	446	983
	3 (Med)	1942	504	792	1881	536	852	1800	565	908	1714	605	969	1611	644	1038
	4 (Med/Hi)	2146	631	840	2064	692	908	2001	713	954	1932	757	1007	1843	794	1065
	5 (Hi)	2316	812	892	2240	861	954	2181	894	1000	2113	938	1045	2003	946	1093

Table 140: ZY04 to 06 side duct (gas heat)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZY04 (3)	1 (Low)	978	125	684	853	149	797	734	172	906	596	190	998	445	203	1068
	2 (Med/Low)	1078	153	721	962	175	817	846	200	922	726	226	1026	599	241	1098
	3 (Med)	1153	178	748	1045	199	837	934	226	937	831	251	1031	709	272	1114
	4 (Med/Hi)	1315	248	819	1239	272	895	1138	300	980	1037	323	1062	922	343	1144
	5 (Hi)	1728	484	959	1649	515	1027	1579	544	1089	1425	524	1138	1001	405	1168
ZY05 (4)	1 (Low)	1299	223	786	1226	249	871	1137	273	956	1031	303	1051	923	329	1143
	2 (Med/Low)	1413	272	832	1349	299	906	1266	325	982	1160	352	1070	1042	370	1155
	3 (Med)	1514	327	878	1456	353	942	1389	381	1014	1298	408	1089	1133	405	1165
	4 (Med/Hi)	1751	472	972	1698	502	1033	1639	534	1088	1543	536	1142	1156	420	1172
	5 (Hi)	2093	768	1116	1944	717	1137	1764	651	1152	1506	552	1163	1146	441	1177
ZY06 (5)	1 (Low)	1528	328	781	1427	356	850	1346	386	912	1256	410	969	1181	434	1022
	2 (Med/Low)	1575	362	803	1488	391	871	1401	419	929	1319	445	985	1247	469	1037
	3 (Med)	1867	572	902	1795	601	963	1709	628	1015	1633	652	1061	1544	671	1110
	4 (Med/Hi)	2049	718	968	1969	768	1026	1902	788	1070	1808	802	1110	1637	744	1132
	5 (Hi)	2218	899	1021	2138	928	1074	2007	907	1105	1846	842	1123	1671	767	1139

ZY04 to 06 bottom duct application (direct drive)

Table 141: ZY04 to 06 bottom duct (cooling)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZY04 (3)	1 (Low)	929	128	699	782	148	794	663	164	880	514	187	976	377	202	1053
	2 (Med/Low)	1036	157	732	870	177	827	803	198	905	649	217	996	508	236	1074
	3 (Med)	1106	181	760	956	204	849	878	225	928	755	245	1010	616	266	1092
	4 (Med/Hi)	1147	197	776	1042	218	860	916	243	944	820	262	1017	671	286	1103
	5 (Hi)	1680	501	997	1622	526	1056	1538	546	1119	1296	485	1153	939	374	1176
ZY05 (4)	1 (Low)	1256	220	776	1170	242	851	1077	266	931	988	298	1025	872	321	1113
	2 (Med/Low)	1350	272	828	1279	292	893	1196	320	966	1105	347	1048	1003	372	1131
	3 (Med)	1449	323	866	1380	350	937	1303	370	996	1223	402	1071	1133	428	1149
	4 (Med/Hi)	1488	345	882	1418	374	954	1357	394	1006	1264	424	1083	1160	442	1155
	5 (Hi)	1677	471	966	1602	507	1034	1543	525	1083	1475	545	1131	1209	465	1162
ZY06 (5)	1 (Low)	1548	310	720	1441	336	792	1337	370	864	1213	397	928	1097	421	988
	2 (Med/Low)	1593	337	738	1488	363	805	1381	394	875	1271	425	937	1150	451	997
	3 (Med)	1880	532	827	1792	563	890	1719	588	944	1632	629	1006	1527	652	1061
	4 (Med/Hi)	2066	689	895	1999	712	942	1907	761	999	1830	773	1048	1734	809	1100
	5 (Hi)	2237	862	949	2163	882	996	2097	929	1036	1998	946	1085	1815	883	1115

Table 142: ZY04 to 06 bottom duct (gas heat)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZY04 (3)	1 (Low)	969	130	703	839	151	810	717	174	916	569	191	1006	444	204	1069
	2 (Med/Low)	1063	158	741	955	180	834	828	204	938	709	227	1030	583	242	1100
	3 (Med)	1135	182	769	1041	208	858	919	229	952	805	254	1045	681	275	1127
	4 (Med/Hi)	1310	256	842	1225	279	917	1123	307	1001	1029	334	1083	863	335	1155
	5 (Hi)	1680	501	997	1622	526	1056	1538	546	1119	1296	485	1153	939	374	1176
ZY05 (4)	1 (Low)	1277	228	801	1196	251	878	1096	278	967	983	305	1062	873	329	1156
	2 (Med/Low)	1382	278	847	1307	302	916	1217	327	994	1108	355	1083	949	359	1164
	3 (Med)	1486	331	888	1417	359	957	1331	385	1028	1237	410	1103	1023	385	1169
	4 (Med/Hi)	1717	473	991	1653	509	1052	1586	538	1107	1443	521	1150	1052	394	1175
	5 (Hi)	2006	738	1132	1854	682	1147	1704	621	1154	1504	552	1168	1073	418	1177
ZY06 (5)	1 (Low)	1488	335	787	1400	363	851	1320	389	910	1242	416	969	1160	440	1027
	2 (Med/Low)	1536	364	803	1453	392	864	1363	419	924	1293	447	981	1212	471	1037
	3 (Med)	1822	586	914	1752	602	966	1666	632	1017	1586	656	1066	1503	676	1113
	4 (Med/Hi)	1999	726	982	1932	761	1030	1860	809	1076	1753	799	1114	1598	749	1134
	5 (Hi)	2170	932	1040	2091	930	1084	1965	910	1109	1798	843	1127	1618	763	1139

ZL04 to ZL06 side duct application (direct drive)

Table 143: ZL04 to ZL06 side duct (cooling)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZL04 (3)	1 (Low)	894	104	646	707	127	777	578	137	855	—	—	—	—	—	—
	2 (Med/Low)	1079	144	677	936	171	795	793	190	886	692	214	975	521	232	1063
	3 (Med)	1153	166	701	1037	195	812	875	221	913	786	239	986	654	263	1076
	4 (Med/Hi)	1303	224	769	1211	258	876	1097	286	972	924	313	1059	839	326	1117
	5 (Hi)	1728	484	959	1649	515	1027	1579	544	1089	1425	524	1138	1001	405	1168
ZL05 (4)	1 (Low)	1063	130	651	900	158	783	698	183	900	—	—	—	—	—	—
	2 (Med/Low)	1421	247	757	1323	282	861	1209	315	958	1064	346	1043	993	368	1116
	3 (Med)	1571	315	809	1496	352	898	1385	389	996	1288	420	1072	1135	444	1147
	4 (Med/Hi)	1669	376	869	1552	416	974	1438	446	1055	1358	472	1113	1045	432	1160
	5 (Hi)	1779	432	878	1707	470	960	1615	511	1042	1516	544	1123	1165	468	1160
ZL06 (5)	1 (Low)	1220	120	544	1117	150	634	974	172	728	—	—	—	—	—	—
	2 (Med/Low)	1624	321	713	1557	352	777	1464	383	845	1315	418	924	1224	446	983
	3 (Med)	1875	404	729	1800	443	792	1709	476	863	1608	525	941	1500	572	1017
	4 (Med/Hi)	2146	631	840	2064	692	908	2001	713	954	1932	757	1007	1843	794	1065
	5 (Hi)	2316	812	892	2240	861	954	2181	894	1000	2113	938	1045	2003	946	1093

Table 144: ZL04 to ZL06 side duct (gas heat)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZL04 (3)	1 (Low)	885	109	679	747	131	800	614	147	897	—	—	—	—	—	—
	2 (Med/Low)	1078	153	721	962	175	817	846	200	922	726	226	1026	599	241	1098
	3 (Med)	1153	178	748	1045	199	837	934	226	937	831	251	1031	709	272	1114
	4 (Med/Hi)	1292	243	831	1215	269	915	1111	295	1001	988	317	1086	865	333	1162
	5 (Hi)	1728	484	959	1649	515	1027	1579	544	1089	1425	524	1138	1001	405	1168
ZL05 (4)	1 (Low)	1060	146	710	938	167	813	798	190	923	—	—	—	—	—	—
	2 (Med/Low)	1413	272	832	1349	299	906	1266	325	982	1160	352	1070	1042	370	1155
	3 (Med)	1612	388	938	1512	417	1018	1442	438	1073	1368	460	1130	1043	393	1178
	4 (Med/Hi)	1751	472	972	1698	502	1033	1639	534	1088	1543	536	1142	1156	420	1172
	5 (Hi)	2093	768	1116	1944	717	1137	1764	651	1152	1506	552	1163	1146	441	1177
ZL06 (5)	1 (Low)	1207	184	652	1088	211	744	966	233	822	847	254	891	722	271	948
	2 (Med/Low)	1575	362	803	1488	391	871	1401	419	929	1319	445	985	1247	469	1037
	3 (Med)	1800	472	839	1714	508	903	1618	539	970	1527	572	1033	1433	599	1089
	4 (Med/Hi)	2049	718	968	1969	768	1026	1902	788	1070	1808	802	1110	1637	744	1132
	5 (Hi)	2218	899	1021	2138	928	1074	2007	907	1105	1846	842	1123	1671	767	1139

Note: 24 V wires 261/orange, 267/red, 238/white can be moved up to different taps depending on the airflow and static requirements of the application. See the relevant unit's wiring diagram.

ZL04 to ZL06 bottom duct application (direct drive)

Table 145: ZL04 to ZL06 bottom duct (cooling)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZL04 (3)	1 (Low)	836	112	694	676	130	797	543	139	871	—	—	—	—	—	—
	2 (Med/Low)	1036	157	732	870	177	827	803	198	905	649	217	996	508	236	1074
	3 (Med)	1106	181	760	956	204	849	878	225	928	755	245	1010	616	266	1092
	4 (Med/Hi)	1249	247	842	1153	274	929	1010	299	1007	926	317	1077	815	337	1143
	5 (Hi)	1680	501	997	1622	526	1056	1538	546	1119	1296	485	1153	939	374	1176
ZL05 (4)	1 (Low)	1017	143	700	882	160	793	738	183	898	—	—	—	—	—	—
	2 (Med/Low)	1350	272	828	1279	292	893	1196	320	966	1105	347	1048	1003	372	1131
	3 (Med)	1586	406	942	1474	438	1030	1410	451	1065	1334	476	1124	1070	430	1168
	4 (Med/Hi)	1488	345	882	1418	374	954	1357	394	1006	1264	424	1083	1160	442	1155
	5 (Hi)	1677	471	966	1602	507	1034	1543	525	1083	1475	545	1131	1209	465	1162
ZL06 (5)	1 (Low)	1180	132	569	1041	156	665	902	184	757	—	—	—	—	—	—
	2 (Med/Low)	1593	337	738	1488	363	805	1381	394	875	1271	425	937	1150	451	997
	3 (Med)	1813	432	764	1711	470	830	1628	499	899	1526	549	978	1416	580	1040
	4 (Med/Hi)	2066	689	895	1999	712	942	1907	761	999	1830	773	1048	1734	809	1100
	5 (Hi)	2237	862	949	2163	882	996	2097	929	1036	1998	946	1085	1815	883	1115

Table 146: ZL04 to ZL06 bottom duct (gas heat)

Unit (ton)	Motor speed	Available external static														
		0.2			0.4			0.6			0.8			1.0		
		cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm	cfm	watts	rpm
ZL04 (3)	1 (Low)	876	114	698	733	133	813	597	149	907	—	—	—	—	—	—
	2 (Med/Low)	1063	158	741	955	180	834	828	204	938	709	227	1030	583	242	1100
	3 (Med)	1135	182	769	1041	208	858	919	229	952	805	254	1045	681	275	1127
	4 (Med/Hi)	1287	251	854	1201	276	937	1096	302	1022	980	328	1107	806	325	1173
	5 (Hi)	1680	501	997	1622	526	1056	1538	546	1119	1296	485	1153	939	374	1176
ZL05 (4)	1 (Low)	1038	151	725	908	169	820	757	195	934	—	—	—	—	—	—
	2 (Med/Low)	1382	278	847	1307	302	916	1217	327	994	1108	355	1083	949	359	1164
	3 (Med)	1584	392	948	1473	423	1033	1384	442	1087	1307	462	1144	933	373	1182
	4 (Med/Hi)	1717	473	991	1653	509	1052	1586	538	1107	1443	521	1150	1052	394	1175
	5 (Hi)	2006	738	1132	1854	682	1147	1704	621	1154	1504	552	1168	1073	418	1177
ZL06 (5)	1 (Low)	1167	191	658	1061	218	745	940	236	820	833	260	891	701	277	953
	2 (Med/Low)	1536	364	803	1453	392	864	1363	419	924	1293	447	981	1212	471	1037
	3 (Med)	1755	486	851	1671	509	906	1575	543	972	1480	576	1038	1392	604	1092
	4 (Med/Hi)	1999	726	982	1932	761	1030	1860	809	1076	1753	799	1114	1598	749	1134
	5 (Hi)	2170	932	1040	2091	930	1084	1965	910	1109	1798	843	1127	1618	763	1139

ⓘ **Note:** 24 V wires 261/orange, 267/red, 238/white can be moved up to different taps depending on the airflow and static requirements of the application. See the relevant unit's wiring diagram.

Power exhaust blower curves

Figure 3: 208/280-1-60 power exhaust fan curve

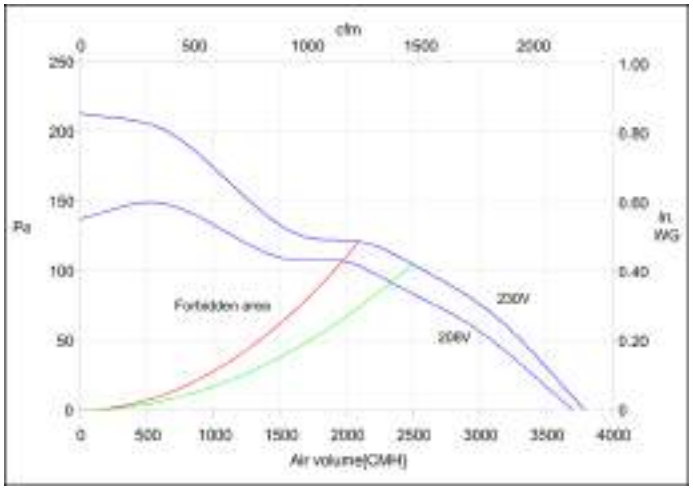


Figure 4: 460-3-60 power exhaust fan curve

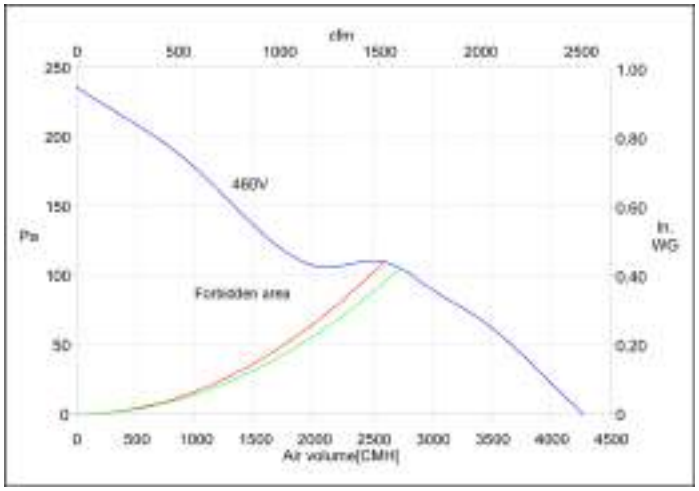


Figure 5: 208/280-3-60 power exhaust fan curve

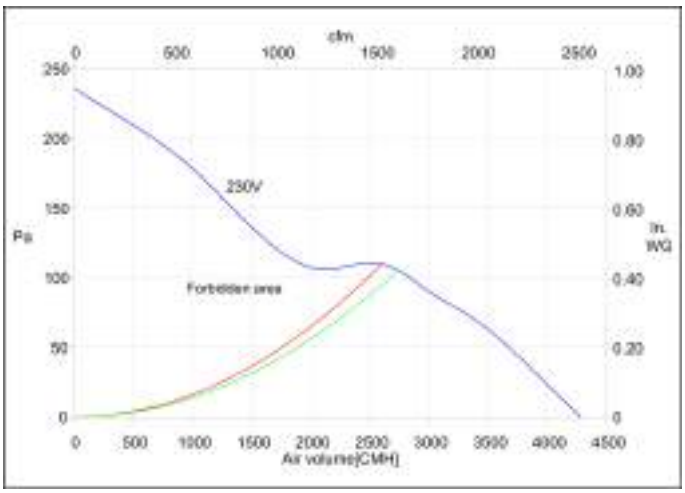
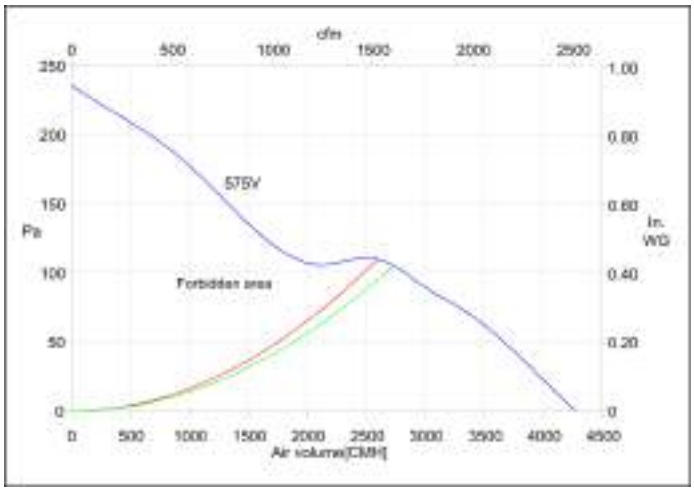


Figure 6: 575-3-50 power exhaust fan curve



Electrical data

ZQ04 to 06 standard indoor blower - without powered convenience outlet

Table 147: ZQ04 to 06 standard indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	6.6	1.5	—	None	—	—	—	27.2	30	40	27	89	28.7	30	40	29	92
												10625	4.9	1	23.6	37.8	40	40	35	89	39.6	40	40	36	92
												11125	7.9	1	38	55.8	60	60	51	89	57.6	60	60	53	92
	230-1-60	15.4	83.9	24	—	—	—	1.4	6	1.3	—	None	—	—	—	26.7	30	40	26	89	28	30	40	28	92
												10625	6.5	1	27.1	41.4	45	45	38	89	43	45	45	40	92
												11125	10.5	1	43.8	62.3	70	70	57	89	63.9	70	70	59	92
	208-3-60	10.4	73	16	—	—	—	1.3	6.6	1.1	—	None	—	—	—	20.9	25	30	21	78	22	25	30	22	80
												10625	4.9	1	13.6	25.3	30	30	23	78	26.6	30	30	24	80
												11125	7.9	1	21.9	35.6	40	40	33	78	37	40	40	34	80
												11625	12	1	33.3	49.9	50	50	46	78	51.3	60	60	47	80
	230-3-60	10.4	73	16	—	—	—	1.4	6	1	—	None	—	—	—	20.4	25	30	20	78	21.4	25	30	22	81
												10625	6.5	1	15.6	27	30	30	25	78	28.3	30	30	26	81
												11125	10.5	1	25.3	39.1	40	40	36	78	40.4	45	45	37	81
												11625	16	1	38.5	55.6	60	60	51	78	56.9	60	60	52	81
	460-3-60	5.8	38	9	—	—	—	0.8	3.2	0.5	—	None	—	—	—	11.3	15	15	11	42	11.8	15	15	12	43
												10646	6	1	7.2	13	15	15	12	42	13.6	15	15	13	43
												11146	11.5	1	13.8	21.3	25	25	20	42	21.9	25	25	20	43
												11446	14	1	16.8	25	25	25	23	42	25.6	30	30	24	43
	575-3-60	3.8	36.5	6	—	—	—	0.6	6	0.4	—	None	—	—	—	7.8	15	15	8	39	8.2	15	15	8	40
												11058	9.2	1	8.9	14.1	15	15	13	39	14.6	15	15	13	40
												11458	13.8	1	13.3	19.6	20	20	18	39	20.1	25	25	19	40
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	8.4	1.5	—	None	—	—	—	34.2	35	50	34	135	35.7	40	50	35	138
												10625	4.9	1	23.6	40	40	50	37	135	41.9	45	50	39	138
												11125	7.9	1	38	58	60	60	53	135	59.9	60	60	55	138
	230-1-60	19.6	130	31	—	—	—	1.4	7.6	1.3	—	None	—	—	—	33.5	35	50	33	135	34.8	35	50	34	138
												10625	6.5	1	27.1	43.4	45	50	40	135	45	45	50	41	138
												11125	10.5	1	43.8	64.3	70	70	59	135	65.9	70	70	61	138
	208-3-60	13.7	83.1	21	—	—	—	1.3	8.4	1.1	—	None	—	—	—	26.8	30	40	27	88	27.9	30	40	28	91
												10625	4.9	1	13.6	27.5	30	40	27	88	28.9	30	40	28	91
												11125	7.9	1	21.9	37.9	40	40	35	88	39.3	40	40	36	91
												11625	12	1	33.3	52.1	60	60	48	88	53.5	60	60	49	91
	230-3-60	13.7	83.1	21	—	—	—	1.4	7.6	1	—	None	—	—	—	26.1	30	35	26	88	27.1	30	40	27	91
												10625	6.5	1	15.6	29	30	35	27	88	30.3	35	40	28	91
												11125	10.5	1	25.3	41.1	45	45	38	88	42.4	45	45	39	91
												11625	16	1	38.5	57.6	60	60	53	88	58.9	60	60	54	91
	460-3-60	6.2	41	10	—	—	—	0.8	4	0.5	—	None	—	—	—	12.6	15	15	13	45	13.1	15	15	13	46
												10646	6	1	7.2	14	15	15	13	45	14.6	15	15	13	46
												11146	11.5	1	13.8	22.3	25	25	20	45	22.9	25	25	21	46
												11446	14	1	16.8	26	30	30	24	45	26.6	30	30	24	46
	575-3-60	4.8	33	8	—	—	—	0.6	7.6	0.4	—	None	—	—	—	9.6	15	15	10	35	10	15	15	10	36
												11058	9.2	1	8.9	14.9	15	15	14	35	15.4	20	20	14	36
												11458	13.8	1	13.3	20.4	25	25	19	35	20.9	25	25	19	36

Table 147: ZQ04 to 06 standard indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker [3]size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse/[2] breaker [3]size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	24.4	144	38	—	—	—	2	8.4	1.5	—	None	—	—	—	40.9	45	60	40	151	42.4	45	60	42	154
												10625	4.9	1	23.6	40.9	45	60	40	151	42.4	45	60	42	154
												11125	7.9	1	38	58	60	60	53	151	59.9	60	60	55	154
	230-1-60	24.4	144	38	—	—	—	2.3	7.6	1.3	—	None	—	—	—	40.4	45	60	39	151	41.7	45	60	41	154
												10625	6.5	1	27.1	43.4	45	60	40	151	45	45	60	41	154
												11125	10.5	1	43.8	64.3	70	70	59	151	65.9	70	70	61	154
	208-3-60	16	110	25	—	—	—	2	8.4	1.1	—	None	—	—	—	30.4	35	45	30	116	31.5	35	45	32	119
												10625	4.9	1	13.6	30.4	35	45	30	116	31.5	35	45	32	119
												11125	7.9	1	21.9	37.9	40	45	35	116	39.3	40	45	36	119
												11625	12	1	33.3	52.1	60	60	48	116	53.5	60	60	49	119
	230-3-60	16	110	25	—	—	—	2.3	7.6	1	—	None	—	—	—	29.9	30	45	30	117	30.9	35	45	31	119
												10625	6.5	1	15.6	29.9	30	45	30	117	30.9	35	45	31	119
												11125	10.5	1	25.3	41.1	45	45	38	117	42.4	45	45	39	119
												11625	16	1	38.5	57.6	60	60	53	117	58.9	60	60	54	119
	460-3-60	7.8	52	12	—	—	—	1.3	4	0.5	—	None	—	—	—	15.1	20	20	15	57	15.6	20	20	16	58
												10646	6	1	7.2	15.1	20	20	13	57	15.6	20	20	13	58
												11146	11.5	1	13.8	22.3	25	25	20	57	22.9	25	25	21	58
												11446	14	1	16.8	26	30	30	24	57	26.6	30	30	24	58
	575-3-60	5.7	38.9	9	—	—	—	1	7.6	0.4	—	None	—	—	—	11.1	15	15	11	42	11.5	15	15	12	43
												11458	13.8	1	13.3	20.4	25	25	19	42	20.9	25	25	19	43
												12358	23	1	22.1	31.4	35	35	29	42	31.9	35	35	29	43

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory- installed disconnect amperage rating.

ZQ04 to 06 standard indoor blower - with powered convenience outlet

Table 148: ZQ04 to 06 standard indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse/ breaker size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	6.6	1.5	8.6	None	—	—	—	31.5	35	45	32	93	33	35	45	33	97
												10625	4.9	1	23.6	43.1	45	45	40	93	45	45	45	41	97
												11125	7.9	1	38	61.1	70	70	56	93	63	70	70	58	97
	230-1-60	15.4	83.9	24	—	—	—	1.4	6	1.3	8.6	None	—	—	—	31	35	45	31	93	32.3	35	45	33	96
												10625	6.5	1	27.1	46.8	50	50	43	93	48.4	50	50	45	96
												11125	10.5	1	43.8	67.6	70	70	62	93	69.3	70	70	64	96
	208-3-60	10.4	73	16	—	—	—	1.3	6.6	1.1	8.6	None	—	—	—	25.2	30	35	26	82	26.3	30	35	27	85
												10625	4.9	1	13.6	30.6	35	35	28	82	32	35	35	29	85
												11125	7.9	1	21.9	41	45	45	38	82	42.4	45	45	39	85
												11625	12	1	33.3	55.3	60	60	51	82	56.6	60	60	52	85
	230-3-60	10.4	73	16	—	—	—	1.4	6	1	8.6	None	—	—	—	24.7	25	35	25	83	25.7	30	35	27	85
												10625	6.5	1	15.6	32.4	35	35	30	83	33.6	35	35	31	85
												11125	10.5	1	25.3	44.5	45	45	41	83	45.8	50	50	42	85
												11625	16	1	38.5	61	70	70	56	83	62.3	70	70	57	85
	460-3-60	5.8	38	9	—	—	—	0.8	3.2	0.5	8.6	None	—	—	—	13.5	15	15	14	44	14	15	15	14	45
												10646	6	1	7.2	15.7	20	20	14	44	16.3	20	20	15	45
												11146	11.5	1	13.8	23.9	25	25	22	44	24.6	25	25	23	45
												11446	14	1	16.8	27.7	30	30	25	44	28.3	30	30	26	45
	575-3-60	3.8	36.5	6	—	—	—	0.6	6	0.4	8.6	None	—	—	—	9.5	15	15	10	41	9.9	15	15	10	41
												11058	9.2	1	8.9	16.3	20	20	15	41	16.8	20	20	15	41
												11458	13.8	1	13.3	21.8	25	25	20	41	22.3	25	25	20	41
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	8.4	1.5	8.6	None	—	—	—	38.5	40	50	39	139	40	40	50	40	143
												10625	4.9	1	23.6	45.4	50	50	42	139	47.3	50	50	43	143
												11125	7.9	1	38	63.4	70	70	58	139	65.3	70	70	60	143
	230-1-60	19.6	130	31	—	—	—	1.4	7.6	1.3	8.6	None	—	—	—	37.8	40	50	38	140	39.1	40	50	39	142
												10625	6.5	1	27.1	48.8	50	50	45	140	50.4	60	60	46	142
												11125	10.5	1	43.8	69.6	70	70	64	140	71.3	80	80	66	142
	208-3-60	13.7	83.1	21	—	—	—	1.3	8.4	1.1	8.6	None	—	—	—	31.1	35	40	32	92	32.2	35	45	33	95
												10625	4.9	1	13.6	32.9	35	40	32	92	34.3	35	45	33	95
												11125	7.9	1	21.9	43.3	45	45	40	92	44.6	45	45	41	95
												11625	12	1	33.3	57.5	60	60	53	92	58.9	60	60	54	95
	230-3-60	13.7	83.1	21	—	—	—	1.4	7.6	1	8.6	None	—	—	—	30.4	35	40	31	93	31.4	35	45	32	95
												10625	6.5	1	15.6	34.4	35	40	32	93	35.6	40	45	33	95
												11125	10.5	1	25.3	46.5	50	50	43	93	47.8	50	50	44	95
												11625	16	1	38.5	63	70	70	58	93	64.3	70	70	59	95
	460-3-60	6.2	41	10	—	—	—	0.8	4	0.5	8.6	None	—	—	—	14.8	15	20	15	47	15.3	20	20	16	48
												10646	6	1	7.2	16.7	20	20	15	47	17.3	20	20	16	48
												11146	11.5	1	13.8	24.9	25	25	23	47	25.6	30	30	24	48
												11446	14	1	16.8	28.7	30	30	26	47	29.3	30	30	27	48
	575-3-60	4.8	33	8	—	—	—	0.6	7.6	0.4	8.6	None	—	—	—	11.4	15	15	12	37	11.8	15	15	12	38
												11058	9.2	1	8.9	17.1	20	20	16	37	17.6	20	20	16	38
												11458	13.8	1	13.3	22.6	25	25	21	37	23.1	25	25	21	38

Table 148: ZQ04 to 06 standard indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse/ breaker size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	24.4	144	38	—	—	—	2	8.4	1.5	8.6	None	—	—	—	45.2	50	60	45	155	46.7	50	70	47	158
												10625	4.9	1	23.6	45.4	50	60	45	155	47.3	50	70	47	158
												11125	7.9	1	38	63.4	70	70	58	155	65.3	70	70	60	158
	230-1-60	24.4	144	38	—	—	—	2.3	7.6	1.3	8.6	None	—	—	—	44.7	45	60	44	155	46	50	70	46	158
												10625	6.5	1	27.1	48.8	50	60	45	155	50.4	60	70	46	158
												11125	10.5	1	43.8	69.6	70	70	64	155	71.3	80	80	66	158
	208-3-60	16	110	25	—	—	—	2	8.4	1.1	8.6	None	—	—	—	34.7	35	50	35	121	35.8	40	50	37	123
												10625	4.9	1	13.6	34.7	35	50	35	121	35.8	40	50	37	123
												11125	7.9	1	21.9	43.3	45	50	40	121	44.6	45	50	41	123
												11625	12	1	33.3	57.5	60	60	53	121	58.9	60	60	54	123
	230-3-60	16	110	25	—	—	—	2.3	7.6	1	8.6	None	—	—	—	34.2	35	50	35	121	35.2	40	50	36	124
												10625	6.5	1	15.6	34.4	35	50	35	121	35.6	40	50	36	124
												11125	10.5	1	25.3	46.5	50	50	43	121	47.8	50	50	44	124
												11625	16	1	38.5	63	70	70	58	121	64.3	70	70	59	124
	460-3-60	7.8	52	12	—	—	—	1.3	4	0.5	8.6	None	—	—	—	17.3	20	25	18	59	17.8	20	25	18	60
												10646	6	1	7.2	17.3	20	25	15	59	17.8	20	25	16	60
												11146	11.5	1	13.8	24.9	25	25	23	59	25.6	30	30	24	60
												11446	14	1	16.8	28.7	30	30	26	59	29.3	30	30	27	60
	575-3-60	5.7	38.9	9	—	—	—	1	7.6	0.4	8.6	None	—	—	—	12.9	15	15	13	44	13.3	15	15	14	45
												11458	13.8	1	13.3	22.6	25	25	21	44	23.1	25	25	21	45
												12358	23	1	22.1	33.6	35	35	31	44	34.1	35	35	31	45

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory- installed disconnect amperage rating.

ZQ04 to 06 medium indoor blower - without powered convenience outlet

Table 149: ZQ04 to 06 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	7.6	1.5	—	None	—	—	—	28.2	30	40	28	120	29.7	30	45	30	123
												10625	4.9	1	23.6	39	40	40	36	120	40.9	45	45	38	123
												11125	7.9	1	38	57	60	60	52	120	58.9	60	60	54	123
	230-1-60	15.4	83.9	24	—	—	—	1.4	7	1.3	—	None	—	—	—	27.7	30	40	27	123	29	30	40	29	126
												10625	6.5	1	27.1	42.6	45	45	39	123	44.3	45	45	41	126
												11125	10.5	1	43.8	63.5	70	70	58	123	65.1	70	70	60	126
	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	—	None	—	—	—	19.5	20	25	19	98	20.6	25	30	21	101
												10625	4.9	1	13.6	23.5	25	25	22	98	24.9	25	30	23	101
												11125	7.9	1	21.9	33.9	35	35	31	98	35.3	40	40	32	101
												11625	12	1	33.3	48.1	50	50	44	98	49.5	50	50	46	101
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	—	None	—	—	—	19.6	20	30	20	101	20.6	25	30	21	104
												10625	6.5	1	15.6	26	30	30	24	101	27.3	30	30	25	104
												11125	10.5	1	25.3	38.1	40	40	35	101	39.4	40	40	36	104
												11625	16	1	38.5	54.6	60	60	50	101	55.9	60	60	51	104
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	—	None	—	—	—	10.7	15	15	11	52	11.2	15	15	11	54
												10646	6	1	7.2	12.3	15	15	11	52	12.9	15	15	12	54
												11146	11.5	1	13.8	20.5	25	25	19	52	21.1	25	25	19	54
												11446	14	1	16.8	24.3	25	25	22	52	24.9	25	25	23	54
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	—	None	—	—	—	7.4	15	15	7	48	7.8	15	15	8	49
												11058	9.2	1	8.9	13.6	15	15	13	48	14.1	15	15	13	49
												11458	13.8	1	13.3	19.1	20	20	18	48	19.6	20	20	18	49
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	7.6	1.5	—	None	—	—	—	33.4	35	50	33	166	34.9	35	50	35	169
												10625	4.9	1	23.6	39	40	50	36	166	40.9	45	50	38	169
												11125	7.9	1	38	57	60	60	52	166	58.9	60	60	54	169
	230-1-60	19.6	130	31	—	—	—	1.4	7	1.3	—	None	—	—	—	32.9	35	50	32	169	34.2	35	50	34	172
												10625	6.5	1	27.1	42.6	45	50	39	169	44.3	45	50	41	172
												11125	10.5	1	43.8	63.5	70	70	58	169	65.1	70	70	60	172
	208-3-60	13.7	83.1	21	—	—	—	1.3	5.2	1.1	—	None	—	—	—	23.6	25	35	23	108	24.7	25	35	24	111
												10625	4.9	1	13.6	23.6	25	35	23	108	24.9	25	35	24	111
												11125	7.9	1	21.9	33.9	35	35	31	108	35.3	40	40	32	111
												11625	12	1	33.3	48.1	50	50	44	108	49.5	50	50	46	111
	230-3-60	13.7	83.1	21	—	—	—	1.4	5.2	1	—	None	—	—	—	23.7	25	35	23	111	24.7	25	35	24	114
												10625	6.5	1	15.6	26	30	35	24	111	27.3	30	35	25	114
												11125	10.5	1	25.3	38.1	40	40	35	111	39.4	40	40	36	114
												11625	16	1	38.5	54.6	60	60	50	111	55.9	60	60	51	114
	460-3-60	6.2	41	10	—	—	—	0.8	2.6	0.5	—	None	—	—	—	11.2	15	15	11	55	11.7	15	15	12	57
												10646	6	1	7.2	12.3	15	15	11	55	12.9	15	15	12	57
												11146	11.5	1	13.8	20.5	25	25	19	55	21.1	25	25	19	57
												11446	14	1	16.8	24.3	25	25	22	55	24.9	25	25	23	57
	575-3-60	4.8	33	8	—	—	—	0.6	2	0.4	—	None	—	—	—	8.6	15	15	9	45	9	15	15	9	45
												11058	9.2	1	8.9	13.6	15	15	13	45	14.1	15	15	13	45
												11458	13.8	1	13.3	19.1	20	20	18	45	19.6	20	20	18	45

Table 149: ZQ04 to 06 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1](amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	24.4	144	38	—	—	—	2	7.6	1.5	—	None	—	—	—	40.1	45	60	39	182	41.6	45	60	41	185
												10625	4.9	1	23.6	40.1	45	60	39	182	41.6	45	60	41	185
												11125	7.9	1	38	57	60	60	52	182	58.9	60	60	54	185
	230-1-60	24.4	144	38	—	—	—	2.3	7	1.3	—	None	—	—	—	39.8	40	60	39	185	41.1	45	60	40	188
												10625	6.5	1	27.1	42.6	45	60	39	185	44.3	45	60	41	188
												11125	10.5	1	43.8	63.5	70	70	58	185	65.1	70	70	60	188
	208-3-60	16	110	25	—	—	—	2	5.2	1.1	—	None	—	—	—	27.2	30	40	27	137	28.3	30	40	28	139
												10625	4.9	1	13.6	27.2	30	40	27	137	28.3	30	40	28	139
												11125	7.9	1	21.9	33.9	35	40	31	137	35.3	40	40	32	139
												11625	12	1	33.3	48.1	50	50	44	137	49.5	50	50	46	139
	230-3-60	16	110	25	—	—	—	2.3	5.2	1	—	None	—	—	—	27.5	30	40	27	140	28.5	30	40	28	142
												10625	6.5	1	15.6	27.5	30	40	27	140	28.5	30	40	28	142
												11125	10.5	1	25.3	38.1	40	40	35	140	39.4	40	40	36	142
												11625	16	1	38.5	54.6	60	60	50	140	55.9	60	60	51	142
	460-3-60	7.8	52	12	—	—	—	1.3	2.6	0.5	—	None	—	—	—	13.7	15	20	13	67	14.2	15	20	14	69
												10646	6	1	7.2	13.7	15	20	11	67	14.2	15	20	12	69
												11146	11.5	1	13.8	20.5	25	25	19	67	21.1	25	25	19	69
												11446	14	1	16.8	24.3	25	25	22	67	24.9	25	25	23	69
	575-3-60	5.7	38.9	9	—	—	—	1	2	0.4	—	None	—	—	—	10.1	15	15	10	51	10.5	15	15	10	52
												11458	13.8	1	13.3	19.1	20	20	18	51	19.6	20	20	18	52
												12358	23	1	22.1	30.1	35	35	28	51	30.6	35	35	28	52

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory- installed disconnect amperage rating.

ZQ04 to 06 medium indoor blower - with powered convenience outlet

Table 150: ZQ04 to 06 medium indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	7.6	1.5	8.6	None	—	—	—	32.5	35	45	33	124	34	35	45	35	128
												10625	4.9	1	23.6	44.4	45	45	41	124	46.3	50	50	43	128
												11125	7.9	1	38	62.4	70	70	57	124	64.3	70	70	59	128
	230-1-60	15.4	83.9	24	—	—	—	1.4	7	1.3	8.6	None	—	—	—	32	35	45	32	127	33.3	35	45	34	130
												10625	6.5	1	27.1	48	50	50	44	127	49.6	50	50	46	130
												11125	10.5	1	43.8	68.9	70	70	63	127	70.5	80	80	65	130
	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	23.8	25	30	24	103	24.9	25	35	26	105
												10625	4.9	1	13.6	28.9	30	30	27	103	30.3	35	35	28	105
												11125	7.9	1	21.9	39.3	40	40	36	103	40.6	45	45	37	105
												11625	12	1	33.3	53.5	60	60	49	103	54.9	60	60	50	105
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	8.6	None	—	—	—	23.9	25	30	24	106	24.9	25	35	26	108
												10625	6.5	1	15.6	31.4	35	35	29	106	32.6	35	35	30	108
												11125	10.5	1	25.3	43.5	45	45	40	106	44.8	45	45	41	108
												11625	16	1	38.5	60	60	60	55	106	61.3	70	70	56	108
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	12.9	15	15	13	55	13.4	15	15	14	56
												10646	6	1	7.2	14.9	15	15	14	55	15.6	20	20	14	56
												11146	11.5	1	13.8	23.2	25	25	21	55	23.8	25	25	22	56
												11446	14	1	16.8	26.9	30	30	25	55	27.6	30	30	25	56
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	8.6	None	—	—	—	9.1	15	15	9	50	9.5	15	15	10	51
												11058	9.2	1	8.9	15.8	20	20	15	50	16.3	20	20	15	51
												11458	13.8	1	13.3	21.3	25	25	20	50	21.8	25	25	20	51
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	7.6	1.5	8.6	None	—	—	—	37.7	40	50	38	170	39.2	40	50	39	174
												10625	4.9	1	23.6	44.4	45	50	41	170	46.3	50	50	43	174
												11125	7.9	1	38	62.4	70	70	57	170	64.3	70	70	59	174
	230-1-60	19.6	130	31	—	—	—	1.4	7	1.3	8.6	None	—	—	—	37.2	40	50	37	173	38.5	40	50	39	176
												10625	6.5	1	27.1	48	50	50	44	173	49.6	50	50	46	176
												11125	10.5	1	43.8	68.9	70	70	63	173	70.5	80	80	65	176
	208-3-60	13.7	83.1	21	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	27.9	30	40	28	113	29	30	40	29	115
												10625	4.9	1	13.6	28.9	30	40	28	113	30.3	35	40	29	115
												11125	7.9	1	21.9	39.3	40	40	36	113	40.6	45	45	37	115
												11625	12	1	33.3	53.5	60	60	49	113	54.9	60	60	50	115
	230-3-60	13.7	83.1	21	—	—	—	1.4	5.2	1	8.6	None	—	—	—	28	30	40	28	116	29	30	40	29	118
												10625	6.5	1	15.6	31.4	35	40	29	116	32.6	35	40	30	118
												11125	10.5	1	25.3	43.5	45	45	40	116	44.8	45	45	41	118
												11625	16	1	38.5	60	60	60	55	116	61.3	70	70	56	118
	460-3-60	6.2	41	10	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	58	13.9	15	15	14	59
												10646	6	1	7.2	14.9	15	15	14	58	15.6	20	20	14	59
												11146	11.5	1	13.8	23.2	25	25	21	58	23.8	25	25	22	59
												11446	14	1	16.8	26.9	30	30	25	58	27.6	30	30	25	59
	575-3-60	4.8	33	8	—	—	—	0.6	2	0.4	8.6	None	—	—	—	10.3	15	15	10	46	10.7	15	15	11	47
												11058	9.2	1	8.9	15.8	20	20	15	46	16.3	20	20	15	47
												11458	13.8	1	13.3	21.3	25	25	20	46	21.8	25	25	20	47

Table 150: ZQ04 to 06 medium indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	24.4	144	38	—	—	—	2	7.6	1.5	8.6	None	—	—	—	44.4	45	60	44	186	45.9	50	70	46	189
												10625	4.9	1	23.6	44.4	45	60	44	186	46.3	50	70	46	189
												11125	7.9	1	38	62.4	70	70	57	186	64.3	70	70	59	189
	230-1-60	24.4	144	38	—	—	—	2.3	7	1.3	8.6	None	—	—	—	44.1	45	60	44	189	45.4	50	60	45	192
												10625	6.5	1	27.1	48	50	60	44	189	49.6	50	60	46	192
												11125	10.5	1	43.8	68.9	70	70	63	189	70.5	80	80	65	192
	208-3-60	16	110	25	—	—	—	2	5.2	1.1	8.6	None	—	—	—	31.5	35	45	32	141	32.6	35	45	33	144
												10625	4.9	1	13.6	31.5	35	45	32	141	32.6	35	45	33	144
												11125	7.9	1	21.9	39.3	40	45	36	141	40.6	45	45	37	144
												11625	12	1	33.3	53.5	60	60	49	141	54.9	60	60	50	144
	230-3-60	16	110	25	—	—	—	2.3	5.2	1	8.6	None	—	—	—	31.8	35	45	32	144	32.8	35	45	33	147
												10625	6.5	1	15.6	31.8	35	45	32	144	32.8	35	45	33	147
												11125	10.5	1	25.3	43.5	45	45	40	144	44.8	45	45	41	147
												11625	16	1	38.5	60	60	60	55	144	61.3	70	70	56	147
	460-3-60	7.8	52	12	—	—	—	1.3	2.6	0.5	8.6	None	—	—	—	15.9	20	20	16	70	16.4	20	20	17	71
												10646	6	1	7.2	15.9	20	20	14	70	16.4	20	20	14	71
												11146	11.5	1	13.8	23.2	25	25	21	70	23.8	25	25	22	71
												11446	14	1	16.8	26.9	30	30	25	70	27.6	30	30	25	71
	575-3-60	5.7	38.9	9	—	—	—	1	2	0.4	8.6	None	—	—	—	11.8	15	15	12	53	12.2	15	15	12	54
												11458	13.8	1	13.3	21.3	25	25	20	53	21.8	25	25	20	54
												12358	23	1	22.1	32.3	35	35	30	53	32.8	35	35	30	54

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory- installed disconnect amperage rating.

ZQ04 to 06 high indoor blower - without powered convenience outlet

Table 151: ZQ04 to 06 high indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	—	None	—	—	—	19.5	20	25	19	98	20.6	25	30	21	101
												10625	4.9	1	13.6	23.5	25	25	22	98	24.9	25	30	23	101
												11125	7.9	1	21.9	33.9	35	35	31	98	35.3	40	40	32	101
												11625	12	1	33.3	48.1	50	50	44	98	49.5	50	50	46	101
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	—	None	—	—	—	19.6	20	30	20	101	20.6	25	30	21	104
												10625	6.5	1	15.6	26	30	30	24	101	27.3	30	30	25	104
												11125	10.5	1	25.3	38.1	40	40	35	101	39.4	40	40	36	104
												11625	16	1	38.5	54.6	60	60	50	101	55.9	60	60	51	104
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	—	None	—	—	—	10.7	15	15	11	52	11.2	15	15	11	54
												10646	6	1	7.2	12.3	15	15	11	52	12.9	15	15	12	54
												11146	11.5	1	13.8	20.5	25	25	19	52	21.1	25	25	19	54
												11446	14	1	16.8	24.3	25	25	22	52	24.9	25	25	23	54
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	—	None	—	—	—	7.4	15	15	7	48	7.8	15	15	8	49
												11058	9.2	1	8.9	13.6	15	15	13	48	14.1	15	15	13	49
												11458	13.8	1	13.3	19.1	20	20	18	48	19.6	20	20	18	49
05 (4)	208-3-60	13.7	83.1	21	—	—	—	1.3	5.2	1.1	—	None	—	—	—	23.6	25	35	23	108	24.7	25	35	24	111
												10625	4.9	1	13.6	23.6	25	35	23	108	24.9	25	35	24	111
												11125	7.9	1	21.9	33.9	35	35	31	108	35.3	40	40	32	111
												11625	12	1	33.3	48.1	50	50	44	108	49.5	50	50	46	111
	230-3-60	13.7	83.1	21	—	—	—	1.4	5.2	1	—	None	—	—	—	23.7	25	35	23	111	24.7	25	35	24	114
												10625	6.5	1	15.6	26	30	35	24	111	27.3	30	35	25	114
												11125	10.5	1	25.3	38.1	40	40	35	111	39.4	40	40	36	114
												11625	16	1	38.5	54.6	60	60	50	111	55.9	60	60	51	114
	460-3-60	6.2	41	10	—	—	—	0.8	2.6	0.5	—	None	—	—	—	11.2	15	15	11	55	11.7	15	15	12	57
												10646	6	1	7.2	12.3	15	15	11	55	12.9	15	15	12	57
												11146	11.5	1	13.8	20.5	25	25	19	55	21.1	25	25	19	57
												11446	14	1	16.8	24.3	25	25	22	55	24.9	25	25	23	57
	575-3-60	4.8	33	8	—	—	—	0.6	2	0.4	—	None	—	—	—	8.6	15	15	9	45	9	15	15	9	45
												11058	9.2	1	8.9	13.6	15	15	13	45	14.1	15	15	13	45
												11458	13.8	1	13.3	19.1	20	20	18	45	19.6	20	20	18	45
06 (5)	208-3-60	16	110	25	—	—	—	2	7.5	1.1	—	None	—	—	—	29.5	30	45	29	163	30.6	35	45	31	166
												10625	4.9	1	13.6	29.5	30	45	29	163	30.6	35	45	31	166
												11125	7.9	1	21.9	36.8	40	45	34	163	38.1	40	45	35	166
												11625	12	1	33.3	51	60	60	47	163	52.4	60	60	48	166
	230-3-60	16	110	25	—	—	—	2.3	7.5	1	—	None	—	—	—	29.8	30	45	30	170	30.8	35	45	31	172
												10625	6.5	1	15.6	29.8	30	45	30	170	30.8	35	45	31	172
												11125	10.5	1	25.3	41	45	45	38	170	42.3	45	45	39	172
												11625	16	1	38.5	57.5	60	60	53	170	58.8	60	60	54	172
	460-3-60	7.8	52	12	—	—	—	1.3	3.4	0.5	—	None	—	—	—	14.5	15	20	14	82	15	15	20	15	84
												10646	6	1	7.2	14.5	15	20	12	82	15	15	20	13	84
												11146	11.5	1	13.8	21.5	25	25	20	82	22.1	25	25	20	84
												11446	14	1	16.8	25.3	30	30	23	82	25.9	30	30	24	84
	575-3-60	5.7	38.9	9	—	—	—	1	2.8	0.4	—	None	—	—	—	10.9	15	15	11	63	11.3	15	15	11	64
												11458	13.8	1	13.3	20.1	25	25	19	63	20.6	25	25	19	64
												12358	23	1	22.1	31.1	35	35	29	63	31.6	35	35	29	64

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.

3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory- installed disconnect amperage rating.

ZQ04 to 06 high indoor blower - with powered convenience outlet

Table 152: ZQ04 to 06 high indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	23.8	25	30	24	103	24.9	25	35	26	105
												10625	4.9	1	13.6	28.9	30	30	27	103	30.3	35	35	28	105
												11125	7.9	1	21.9	39.3	40	40	36	103	40.6	45	45	37	105
												11625	12	1	33.3	53.5	60	60	49	103	54.9	60	60	50	105
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	8.6	None	—	—	—	23.9	25	30	24	106	24.9	25	35	26	108
												10625	6.5	1	15.6	31.4	35	35	29	106	32.6	35	35	30	108
												11125	10.5	1	25.3	43.5	45	45	40	106	44.8	45	45	41	108
												11625	16	1	38.5	60	60	60	55	106	61.3	70	70	56	108
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	12.9	15	15	13	55	13.4	15	15	14	56
												10646	6	1	7.2	14.9	15	15	14	55	15.6	20	20	14	56
												11146	11.5	1	13.8	23.2	25	25	21	55	23.8	25	25	22	56
												11446	14	1	16.8	26.9	30	30	25	55	27.6	30	30	25	56
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	8.6	None	—	—	—	9.1	15	15	9	50	9.5	15	15	10	51
												11058	9.2	1	8.9	15.8	20	20	15	50	16.3	20	20	15	51
												11458	13.8	1	13.3	21.3	25	25	20	50	21.8	25	25	20	51
05 (4)	208-3-60	13.7	83.1	21	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	27.9	30	40	28	113	29	30	40	29	115
												10625	4.9	1	13.6	28.9	30	40	28	113	30.3	35	40	29	115
												11125	7.9	1	21.9	39.3	40	40	36	113	40.6	45	45	37	115
												11625	12	1	33.3	53.5	60	60	49	113	54.9	60	60	50	115
	230-3-60	13.7	83.1	21	—	—	—	1.4	5.2	1	8.6	None	—	—	—	28	30	40	28	116	29	30	40	29	118
												10625	6.5	1	15.6	31.4	35	40	29	116	32.6	35	40	30	118
												11125	10.5	1	25.3	43.5	45	45	40	116	44.8	45	45	41	118
												11625	16	1	38.5	60	60	60	55	116	61.3	70	70	56	118
	460-3-60	6.2	41	10	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	58	13.9	15	15	14	59
												10646	6	1	7.2	14.9	15	15	14	58	15.6	20	20	14	59
												11146	11.5	1	13.8	23.2	25	25	21	58	23.8	25	25	22	59
												11446	14	1	16.8	26.9	30	30	25	58	27.6	30	30	25	59
	575-3-60	4.8	33	8	—	—	—	0.6	2	0.4	8.6	None	—	—	—	10.3	15	15	10	46	10.7	15	15	11	47
												11058	9.2	1	8.9	15.8	20	20	15	46	16.3	20	20	15	47
												11458	13.8	1	13.3	21.3	25	25	20	46	21.8	25	25	20	47
06 (5)	208-3-60	16	110	25	—	—	—	2	7.5	1.1	8.6	None	—	—	—	33.8	35	45	34	167	34.9	35	50	36	170
												10625	4.9	1	13.6	33.8	35	45	34	167	34.9	35	50	36	170
												11125	7.9	1	21.9	42.1	45	45	39	167	43.5	45	50	40	170
												11625	12	1	33.3	56.4	60	60	52	167	57.8	60	60	53	170
	230-3-60	16	110	25	—	—	—	2.3	7.5	1	8.6	None	—	—	—	34.1	35	50	35	174	35.1	40	50	36	177
												10625	6.5	1	15.6	34.3	35	50	35	174	35.5	40	50	36	177
												11125	10.5	1	25.3	46.4	50	50	43	174	47.6	50	50	44	177
												11625	16	1	38.5	62.9	70	70	58	174	64.1	70	70	59	177
	460-3-60	7.8	52	12	—	—	—	1.3	3.4	0.5	8.6	None	—	—	—	16.7	20	20	17	85	17.2	20	20	17	86
												10646	6	1	7.2	16.7	20	20	15	85	17.2	20	20	15	86
												11146	11.5	1	13.8	24.2	25	25	22	85	24.8	25	25	23	86
												11446	14	1	16.8	27.9	30	30	26	85	28.6	30	30	26	86
	575-3-60	5.7	38.9	9	—	—	—	1	2.8	0.4	8.6	None	—	—	—	12.6	15	15	13	65	13	15	15	13	66
												11458	13.8	1	13.3	22.3	25	25	20	65	22.8	25	25	21	66
												12358	23	1	22.1	33.3	35	35	31	65	33.8	35	35	31	66

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.

3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field-installed electric heat kits may exceed the factory- installed disconnect amperage rating.

ZXA7 standard indoor blower - without powered convenience outlet

Table 153: ZXA7 standard indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2ek045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/breaker[3]size w/ pwr exh (amps)	Max fuse[2]/breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	4.4	7	1.1	—	None	—	—	—	33.4	35	50	33	196	34.5	35	50	35	199
												10625	4.9	1	13.6	33.4	35	50	33	196	34.5	35	50	35	199
												11125	7.9	1	21.9	36.1	40	50	33	196	37.5	40	50	35	199
												11625	12	1	33.3	50.4	60	60	46	196	51.8	60	60	48	199
	230-3-60	17.6	136	27	—	—	—	4.4	7.2	1	—	None	—	—	—	33.6	35	50	34	198	34.6	35	50	35	200
												10625	6.5	1	15.6	33.6	35	50	34	198	34.6	35	50	35	200
												11125	10.5	1	25.3	40.6	45	50	37	198	41.9	45	50	39	200
												11625	16	1	38.5	57.1	60	60	53	198	58.4	60	60	54	200
	460-3-60	8.5	66.1	13	—	—	—	2.5	3.6	0.5	—	None	—	—	—	16.7	20	25	17	97	17.2	20	25	17	98
												10646	6	1	7.2	16.7	20	25	12	97	17.2	20	25	13	98
												11146	11.5	1	13.8	21.8	25	25	20	97	22.4	25	25	21	98
												11446	14	1	16.8	25.5	30	30	23	97	26.1	30	30	24	98
	575-3-60	6.3	55.3	10	—	—	—	4.4	2.5	0.4	—	None	—	—	—	14.8	15	20	15	73	15.2	20	20	16	74

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZXA7 standard indoor blower - with powered convenience outlet

Table 154: ZXA7 standard indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/breaker[3] size w/ pwr exh (amps)	Max fuse[2]/breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	4.4	7	1.1	8.6	None	—	—	—	37.7	40	50	38	200	38.8	40	50	40	203
												10625	4.9	1	13.6	37.7	40	50	38	200	38.8	40	50	40	203
												11125	7.9	1	21.9	41.5	45	50	38	200	42.9	45	50	40	203
												11625	12	1	33.3	55.8	60	60	51	200	57.1	60	60	53	203
	230-3-60	17.6	136	27	—	—	—	4.4	7.2	1	8.6	None	—	—	—	37.9	40	50	39	202	38.9	40	50	40	204
												10625	6.5	1	15.6	37.9	40	50	39	202	38.9	40	50	40	204
												11125	10.5	1	25.3	46	50	50	42	202	47.3	50	50	43	204
												11625	16	1	38.5	62.5	70	70	58	202	63.8	70	70	59	204
	460-3-60	8.5	66.1	13	—	—	—	2.5	3.6	0.5	8.6	None	—	—	—	18.9	20	25	19	99	19.4	20	25	20	100
												10646	6	1	7.2	18.9	20	25	15	99	19.4	20	25	15	100
												11146	11.5	1	13.8	24.4	25	25	22	99	25.1	30	30	23	100
												11446	14	1	16.8	28.2	30	30	26	99	28.8	30	30	27	100
	575-3-60	6.3	55.3	10	—	—	—	4.4	2.5	0.4	8.6	None	—	—	—	16.5	20	20	17	75	16.9	20	20	18	76

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZXA7 medium indoor blower - without powered convenience outlet

Table 155: ZXA7 medium indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/breaker [3]size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/breaker[3] size w/ pwr exh (amps)	Max fuse[2]/breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	4.4	8.9	1.1	—	None	—	—	—	35.3	40	50	36	198	36.4	40	50	37	200
												10625	4.9	1	13.6	35.3	40	50	36	198	36.4	40	50	37	200
												11125	7.9	1	21.9	38.5	40	50	36	198	39.9	40	50	37	200
												11625	12	1	33.3	52.8	60	60	49	198	54.1	60	60	50	200
	230-3-60	17.6	136	27	—	—	—	4.4	8.2	1	—	None	—	—	—	34.6	35	50	35	205	35.6	40	50	36	207
												10625	6.5	1	15.6	34.6	35	50	35	205	35.6	40	50	36	207
												11125	10.5	1	25.3	41.9	45	50	39	205	43.1	45	50	40	207
												11625	16	1	38.5	58.4	60	60	54	205	59.6	60	60	55	207
	460-3-60	8.5	66.1	13	—	—	—	2.5	4.1	0.5	—	None	—	—	—	17.2	20	25	17	101	17.7	20	25	18	102
												10646	6	1	7.2	17.2	20	25	13	101	17.7	20	25	14	102
												11146	11.5	1	13.8	22.4	25	25	21	101	23	25	25	21	102
												11446	14	1	16.8	26.1	30	30	24	101	26.8	30	30	25	102
	575-3-60	6.3	55.3	10	—	—	—	4.4	3.2	0.4	—	None	—	—	—	15.5	20	20	16	81	15.9	20	20	16	82

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused Disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZXA7 medium indoor blower - with powered convenience outlet

Table 156: ZXA7 medium indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2]/breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/breaker[3] size w/ pwr exh (amps)	Max fuse[2]/breaker [3]size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	4.4	8.9	1.1	8.6	None	—	—	—	39.6	40	50	40	202	40.7	45	50	42	205
												10625	4.9	1	13.6	39.6	40	50	40	202	40.7	45	50	42	205
												11125	7.9	1	21.9	43.9	45	50	40	202	45.3	50	50	42	205
												11625	12	1	33.3	58.1	60	60	53	202	59.5	60	60	55	205
	230-3-60	17.6	136	27	—	—	—	4.4	8.2	1	8.6	None	—	—	—	38.9	40	50	40	209	39.9	40	50	41	212
												10625	6.5	1	15.6	38.9	40	50	40	209	39.9	40	50	41	212
												11125	10.5	1	25.3	47.3	50	50	43	209	48.5	50	50	45	212
												11625	16	1	38.5	63.8	70	70	59	209	65	70	70	60	212
	460-3-60	8.5	66.1	13	—	—	—	2.5	4.1	0.5	8.6	None	—	—	—	19.4	20	25	20	103	19.9	20	25	20	104
												10646	6	1	7.2	19.4	20	25	15	103	19.9	20	25	16	104
												11146	11.5	1	13.8	25.1	30	30	23	103	25.7	30	30	24	104
												11446	14	1	16.8	28.8	30	30	27	103	29.4	30	30	27	104
	575-3-60	6.3	55.3	10	—	—	—	4.4	3.2	0.4	8.6	None	—	—	—	17.2	20	20	18	83	17.6	20	20	18	84

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZXA7 high indoor blower - without powered convenience outlet

Table 157: ZXA7 indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/breaker[3] size (amps)	Min disconnect[4] rating		MCA [1]w/pwr exh (amps)	Min fuse[2]/breaker[3] size w/ pwr exh (amps)	Max fuse[2]/breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	4.4	9.9	1.1	—	None	—	—	—	36.3	40	50	37	209	37.4	40	50	38	211
												10625	4.9	1	13.6	36.3	40	50	37	209	37.4	40	50	38	211
												11125	7.9	1	21.9	39.8	40	50	37	209	41.1	45	50	38	211
												11625	12	1	33.3	54	60	60	50	209	55.4	60	60	51	211
	230-3-60	17.6	136	27	—	—	—	4.4	9.4	1	—	None	—	—	—	35.8	40	50	36	217	36.8	40	50	37	219
												10625	6.5	1	15.6	35.8	40	50	36	217	36.8	40	50	37	219
												11125	10.5	1	25.3	43.4	45	50	40	217	44.6	45	50	41	219
												11625	16	1	38.5	59.9	60	60	55	217	61.1	70	70	56	219
	460-3-60	8.5	66.1	13	—	—	—	2.5	4.7	0.5	—	None	—	—	—	17.8	20	25	18	106	18.3	20	25	19	108
												10646	6	1	7.2	17.8	20	25	14	106	18.3	20	25	14	108
												11146	11.5	1	13.8	23.1	25	25	21	106	23.8	25	25	22	108
												11446	14	1	16.8	26.9	30	30	25	106	27.5	30	30	25	108
	575-3-60	6.3	55.3	10	—	—	—	4.4	4.3	0.4	—	None	—	—	—	16.6	20	20	17	95	17	20	20	18	96

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZXA7 high indoor blower - with powered convenience outlet

Table 158: ZXA7 high indoor blower - with powered convenience outlet (with VFD)

Size (tons)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2]/breaker[3] size w/ pwr exh (amps)	Max fuse[2]/breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	4.4	9.9	1.1	8.6	None	—	—	—	40.6	45	50	42	213	41.7	45	50	43	215
												10625	4.9	1	13.6	40.6	45	50	42	213	41.7	45	50	43	215
												11125	7.9	1	21.9	45.1	50	50	42	213	46.5	50	50	43	215
												11625	12	1	33.3	59.4	60	60	55	213	60.8	70	70	56	215
	230-3-60	17.6	136	27	—	—	—	4.4	9.4	1	8.6	None	—	—	—	40.1	45	50	41	221	41.1	45	50	42	223
												10625	6.5	1	15.6	40.1	45	50	41	221	41.1	45	50	42	223
												11125	10.5	1	25.3	48.8	50	50	45	221	50	50	50	46	223
												11625	16	1	38.5	65.3	70	70	60	221	66.5	70	70	61	223
	460-3-60	8.5	66.1	13	—	—	—	2.5	4.7	0.5	8.6	None	—	—	—	20	25	25	21	109	20.5	25	25	21	110
												10646	6	1	7.2	20	20	25	16	109	20.5	25	25	17	110
												11146	11.5	1	13.8	25.8	30	30	24	109	26.4	30	30	24	110
												11446	14	1	16.8	29.6	30	30	27	109	30.2	35	35	28	110
	575-3-60	6.3	55.3	10	—	—	—	4.4	4.3	0.4	8.6	None	—	—	—	18.3	20	20	19	97	18.7	20	20	20	98

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZY04 to 12 standard static indoor blower - without powered convenience outlet

Table 159: ZY04 to 12 standard static indoor blower - without powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed Kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[2] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[2] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (03)	208-1-60	15.4	83.9	24	—	—	—	1.3	6.6	1.5	—	None	—	—	—	27.2	30	40	27	89	28.7	30	40	29	92
												10625	4.9	1	23.6	37.8	40	40	35	89	39.6	40	40	36	92
												11125	7.9	1	38	55.8	60	60	51	89	57.6	60	60	53	92
	230-1-60	15.4	83.9	24	—	—	—	1.4	6	1.3	—	None	—	—	—	26.7	30	40	26	89	28	30	40	28	92
												10625	6.5	1	27.1	41.4	45	45	38	89	43	45	45	40	92
												11125	10.5	1	43.8	62.3	70	70	57	89	63.9	70	70	59	92
	208-3-60	10.4	73	16	—	—	—	1.3	6.6	1.1	—	None	—	—	—	20.9	25	30	21	78	22	25	30	22	80
												10625	4.9	1	13.6	25.3	30	30	23	78	26.6	30	30	24	80
												11125	7.9	1	21.9	35.6	40	40	33	78	37	40	40	34	80
												11625	12	1	33.3	49.9	50	50	46	78	51.3	60	60	47	80
	230-3-60	10.4	73	16	—	—	—	1.4	6	1	—	None	—	—	—	20.4	25	30	20	78	21.4	25	30	22	81
												10625	6.5	1	15.6	27	30	30	25	78	28.3	30	30	26	81
												11125	10.5	1	25.3	39.1	40	40	36	78	40.4	45	45	37	81
												11625	16	1	38.5	55.6	60	60	51	78	56.9	60	60	52	81
	460-3-60	5.8	38	9	—	—	—	0.8	3.2	0.5	—	None	—	—	—	11.3	15	15	11	42	11.8	15	15	12	43
												10646	6	1	7.2	13	15	15	12	42	13.6	15	15	13	43
												11146	11.5	1	13.8	21.3	25	25	20	42	21.9	25	25	20	43
												11446	14	1	16.8	25	25	25	23	42	25.6	30	30	24	43
	575-3-60	3.8	36.5	6	—	—	—	0.6	6	0.4	—	None	—	—	—	7.8	15	15	8	39	8.2	15	15	8	40
												11058	9.2	1	8.9	14.1	15	15	13	39	14.6	15	15	13	40
												11458	13.8	1	13.3	19.6	20	20	18	39	20.1	25	25	19	40
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	8.4	1.5	—	None	—	—	—	34.2	35	50	34	135	35.7	40	50	35	138
												10625	4.9	1	23.6	40	40	50	37	135	41.9	45	50	39	138
												11125	7.9	1	38	58	60	60	53	135	59.9	60	60	55	138
	230-1-60	19.6	130	31	—	—	—	1.4	7.6	1.3	—	None	—	—	—	33.5	35	50	33	135	34.8	35	50	34	138
												10625	6.5	1	27.1	43.4	45	50	40	135	45	45	50	41	138
												11125	10.5	1	43.8	64.3	70	70	59	135	65.9	70	70	61	138
	208-3-60	13.7	83.1	21	—	—	—	1.3	8.4	1.1	—	None	—	—	—	26.8	30	40	27	88	27.9	30	40	28	91
												10625	4.9	1	13.6	27.5	30	40	27	88	28.9	30	40	28	91
												11125	7.9	1	21.9	37.9	40	40	35	88	39.3	40	40	36	91
												11625	12	1	33.3	52.1	60	60	48	88	53.5	60	60	49	91
	230-3-60	13.7	83.1	21	—	—	—	1.4	7.6	1	—	None	—	—	—	26.1	30	35	26	88	27.1	30	40	27	91
												10625	6.5	1	15.6	29	30	35	27	88	30.3	35	40	28	91
												11125	10.5	1	25.3	41.1	45	45	38	88	42.4	45	45	39	91
												11625	16	1	38.5	57.6	60	60	53	88	58.9	60	60	54	91
	460-3-60	6.2	41	10	—	—	—	0.8	4	0.5	—	None	—	—	—	12.6	15	15	13	45	13.1	15	15	13	46
												10646	6	1	7.2	14	15	15	13	45	14.6	15	15	13	46
												11146	11.5	1	13.8	22.3	25	25	20	45	22.9	25	25	21	46
												11446	14	1	16.8	26	30	30	24	45	26.6	30	30	24	46
	575-3-60	4.8	33	8	—	—	—	0.6	7.6	0.4	—	None	—	—	—	9.6	15	15	10	35	10	15	15	10	36
												11058	9.2	1	8.9	14.9	15	15	14	35	15.4	20	20	14	36
												11458	13.8	1	13.3	20.4	25	25	19	35	20.9	25	25	19	36

Table 159: ZY04 to 12 standard static indoor blower - without powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed Kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	152.5	37	—	—	—	2	8.4	1.5	—	None	—	—	—	40	40	60	39	159	41.5	45	60	41	162
												10625	4.9	1	23.6	40	40	60	39	159	41.9	45	60	41	162
												11125	7.9	1	38	58	60	60	53	159	59.9	60	60	55	162
	230-1-60	23.7	152.5	37	—	—	—	2.3	7.6	1.3	—	None	—	—	—	39.5	40	60	39	159	40.8	45	60	40	162
												10625	6.5	1	27.1	43.4	45	60	40	159	45	45	60	41	162
												11125	10.5	1	43.8	64.3	70	70	59	159	65.9	70	70	61	162
	208-3-60	15.9	110	25	—	—	—	2	8.4	1.1	—	None	—	—	—	30.3	35	45	30	116	31.4	35	45	32	119
												10625	4.9	1	13.6	30.3	35	45	30	116	31.4	35	45	32	119
												11125	7.9	1	21.9	37.9	40	45	35	116	39.3	40	45	36	119
												11625	12	1	33.3	52.1	60	60	48	116	53.5	60	60	49	119
	230-3-60	15.9	110	25	—	—	—	2.3	7.6	1	—	None	—	—	—	29.8	30	45	30	117	30.8	35	45	31	119
												10625	6.5	1	15.6	29.8	30	45	30	117	30.8	35	45	31	119
												11125	10.5	1	25.3	41.1	45	45	38	117	42.4	45	45	39	119
												11625	16	1	38.5	57.6	60	60	53	117	58.9	60	60	54	119
	460-3-60	7.1	52	11	—	—	—	1.3	4	0.5	—	None	—	—	—	14.2	15	20	14	57	14.7	15	20	15	58
												10646	6	1	7.2	14.2	15	20	13	57	14.7	15	20	13	58
												11146	11.5	1	13.8	22.3	25	25	20	57	22.9	25	25	21	58
												11446	14	1	16.8	26	30	30	24	57	26.6	30	30	24	58
	575-3-60	5.1	39.5	8	—	—	—	1	7.6	0.4	—	None	—	—	—	10.4	15	15	10	43	10.8	15	15	11	44
												11458	13.8	1	13.3	20.4	25	25	19	43	20.9	25	25	19	44
												12358	23	1	22.1	31.4	35	35	29	43	31.9	35	35	29	44
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	5.2	1.1	—	None	—	—	—	31.2	35	45	31	167	33.4	35	45	33	172
												10725	4.9	1	13.6	31.2	35	45	31	167	33.4	35	45	33	172
												11725	12	1	33.3	48.1	50	50	44	167	50.9	60	60	47	172
												12525	18.6	1	51.6	71	80	80	65	167	73.8	80	80	68	172
	230-3-60	17.6	136	27	—	—	—	2.3	5.2	1	—	None	—	—	—	31.8	35	45	32	171	33.8	35	50	34	175
												10725	6.5	1	15.6	31.8	35	45	32	171	33.8	35	50	34	175
												11725	16	1	38.5	54.6	60	60	50	171	57.1	60	60	53	175
												12525	24.8	1	59.7	81.1	90	90	75	171	83.6	90	90	77	175
	460-3-60	8.5	66.1	13	—	—	—	1.3	2.6	0.5	—	None	—	—	—	15.8	20	20	16	84	16.8	20	20	17	87
												10746	6	1	7.2	15.8	20	20	11	84	16.8	20	20	12	87
												11746	16.5	1	19.8	28	30	30	26	84	29.3	30	30	27	87
												12646	25.5	1	30.7	41.6	45	45	38	84	42.9	45	45	39	87
	575-3-60	6.3	55.3	10	—	—	—	1	2	0.4	—	None	—	—	—	11.9	15	15	12	70	12.7	15	15	13	72
												11758	17	1	16.4	23	25	25	21	70	24	25	25	22	72
												12658	25.7	1	24.7	33.4	35	35	31	70	34.4	35	35	32	72

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 160: ZY04 to 12 standard static indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed Kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
With VFD																									
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	7	1.1	—	None	—	—	—	33	35	50	33	205	35.2	40	50	35	210
												10725	4.9	1	13.6	33	35	50	33	205	35.2	40	50	35	210
												11725	12	1	33.3	50.4	60	60	46	205	53.1	60	60	49	210
												12525	18.6	1	51.6	73.3	80	80	67	205	76	80	80	70	210
	230-3-60	17.6	136	27	—	—	—	2.3	7.2	1	—	None	—	—	—	33.8	35	50	34	208	35.8	40	50	36	212
												10725	6.5	1	15.6	33.8	35	50	34	208	35.8	40	50	36	212
												11725	16	1	38.5	57.1	60	60	53	208	59.6	60	60	55	212
												12525	24.8	1	59.7	83.6	90	90	77	208	86.1	90	90	79	212
	460-3-60	8.5	66.1	13	—	—	—	1.3	3.6	0.5	—	None	—	—	—	16.8	20	25	17	103	17.8	20	25	18	105
												10746	6	1	7.2	16.8	20	25	12	103	17.8	20	25	14	105
												11746	16.5	1	19.8	29.3	30	30	27	103	30.5	35	35	28	105
												12646	25.5	1	30.7	42.9	45	45	39	103	44.1	45	45	41	105
	575-3-60	6.3	55.3	10	—	—	—	1	2.5	0.4	—	None	—	—	—	12.4	15	15	12	78	13.2	15	15	13	79
												11758	17	1	16.4	23.6	25	25	22	78	24.6	25	25	23	79
												12658	25.7	1	24.7	34	35	35	31	78	35	35	35	32	79
08 (7.5)	208-3-60	12.8	120.4	20	12.8	120.4	20	2	7	1.1	—	None	—	—	—	39.8	40	50	42	310	42	45	50	45	315
												11725	12	1	33.3	50.4	60	60	46	310	53.1	60	60	49	315
												12525	18.6	1	51.6	73.3	80	80	67	310	76	80	80	70	315
												13225	24	1	66.6	92	100	100	85	310	94.8	100	100	87	315
												14225	31.8	2	88.3	119.1	125	125	110	310	121.9	125	125	112	315
	230-3-60	12.8	120.4	20	12.8	120.4	20	2.3	7.2	1	—	None	—	—	—	40.6	45	50	43	312	42.6	45	50	45	317
												11725	16	1	38.5	57.1	60	60	53	312	59.6	60	60	55	317
												12525	24.8	1	59.7	83.6	90	90	77	312	86.1	90	90	79	317
												13225	32	1	77	105.3	110	110	97	312	107.8	110	110	99	317
												14225	42.4	2	102	136.5	150	150	126	312	139	150	150	128	317
	460-3-60	6.4	55.1	10	6.4	55.1	10	1.3	3.6	0.5	—	None	—	—	—	20.6	25	25	22	147	21.6	25	25	23	149
												11746	16.5	1	19.8	29.3	30	30	27	147	30.5	35	35	28	149
												12846	27.8	1	33.4	46.3	50	50	43	147	47.5	50	50	44	149
												13346	33	1	39.7	54.1	60	60	50	147	55.4	60	60	51	149
												14246	41.7	2	50.2	67.3	70	70	62	147	68.5	70	70	63	149
	575-3-60	5.4	41	9	5.4	41	9	1	2.5	0.4	—	None	—	—	—	16.7	20	20	18	104	17.5	20	20	19	106
												11758	17	1	16.4	23.6	25	25	22	104	24.6	25	25	23	106
												13458	34	1	32.7	44	45	45	40	104	45	45	45	41	106

Table 160: ZY04 to 12 standard static indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed Kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
09 (8.5)	208-3-60	13.7	83.1	21	13.7	83.1	21	2	7	1.1	—	None	—	—	—	41.8	45	50	44	235	44	45	50	47	240
												11725	12	1	33.3	50.4	60	60	46	235	53.1	60	60	49	240
												12525	18.6	1	51.6	73.3	80	80	67	235	76	80	80	70	240
												13225	24	1	66.6	92	100	100	85	235	94.8	100	100	87	240
												14225	31.8	2	88.3	119.1	125	125	110	235	121.9	125	125	112	240
	230-3-60	13.7	83.1	21	13.7	83.1	21	2.3	7.2	1	—	None	—	—	—	42.6	45	50	45	238	44.6	45	50	47	242
												11725	16	1	38.5	57.1	60	60	53	238	59.6	60	60	55	242
												12525	24.8	1	59.7	83.6	90	90	77	238	86.1	90	90	79	242
												13225	32	1	77	105.3	110	110	97	238	107.8	110	110	99	242
												14225	42.4	2	102	136.5	150	150	126	238	139	150	150	128	242
	460-3-60	6.2	41	10	6.2	41	10	1.3	3.6	0.5	—	None	—	—	—	20.2	25	25	21	119	21.2	25	25	23	121
												11746	16.5	1	19.8	29.3	30	30	27	119	30.5	35	35	28	121
												12846	27.8	1	33.4	46.3	50	50	43	119	47.5	50	50	44	121
												13346	33	1	39.7	54.1	60	60	50	119	55.4	60	60	51	121
												14246	41.7	2	50.2	67.3	70	70	62	119	68.5	70	70	63	121
	575-3-60	4.8	33	8	4.8	33	8	1	2.5	0.4	—	None	—	—	—	15.3	20	20	16	88	16.1	20	20	17	90
												11758	17	1	16.4	23.6	25	25	22	88	24.6	25	25	23	90
												13458	34	1	32.7	44	45	45	40	88	45	45	45	41	90
12 (10)	208-3-60	15.4	155	24	15.4	155	24	5.8	7	1.1	—	None	—	—	—	47.5	50	60	50	392	49.7	50	60	53	397
												11725	12	1	33.3	50.4	60	60	50	392	53.1	60	60	53	397
												12525	18.6	1	51.6	73.3	80	80	67	392	76	80	80	70	397
												13225	24	1	66.6	92	100	100	85	392	94.8	100	100	87	397
												14225	31.8	2	88.3	119.1	125	125	110	392	121.9	125	125	112	397
	230-3-60	15.4	155	24	15.4	155	24	5.2	7.2	1	—	None	—	—	—	47.1	50	60	50	391	49.1	50	60	52	395
												11725	16	1	38.5	57.1	60	60	53	391	59.6	60	60	55	395
												12525	24.8	1	59.7	83.6	90	90	77	391	86.1	90	90	79	395
												13225	32	1	77	105.3	110	110	97	391	107.8	110	110	99	395
												14225	42.4	2	102	136.5	150	150	126	391	139	150	150	128	395
	460-3-60	7.1	62	11	7.1	62	11	2.9	3.6	0.5	—	None	—	—	—	22.5	25	25	24	166	23.5	25	25	25	168
												11746	16.5	1	19.8	29.3	30	30	27	166	30.5	35	35	28	168
												12846	27.8	1	33.4	46.3	50	50	43	166	47.5	50	50	44	168
												13346	33	1	39.7	54.1	60	60	50	166	55.4	60	60	51	168
												14246	41.7	2	50.2	67.3	70	70	62	166	68.5	70	70	63	168
	575-3-60	6	47.8	9	6	47.8	9	2.2	2.5	0.4	—	None	—	—	—	18.2	20	20	19	125	19	20	20	20	126
												11758	17	1	16.4	23.6	25	25	22	125	24.6	25	25	23	126
												13458	34	1	32.7	44	45	45	40	125	45	45	45	41	126

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZY04 to 12 standard indoor blower - with powered convenience outlet

Table 161: ZY04 to 12 standard indoor blower - with powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCAw/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	6.6	1.5	8.6	None	—	—	—	31.5	35	45	32	93	33	35	45	33	97
												10625	4.9	1	23.6	43.1	45	45	40	93	45	45	45	41	97
												11125	7.9	1	38	61.1	70	70	56	93	63	70	70	58	97
	230-1-60	15.4	83.9	24	—	—	—	1.4	6	1.3	8.6	None	—	—	—	31	35	45	31	93	32.3	35	45	33	96
												10625	6.5	1	27.1	46.8	50	50	43	93	48.4	50	50	45	96
												11125	10.5	1	43.8	67.6	70	70	62	93	69.3	70	70	64	96
	208-3-60	10.4	73	16	—	—	—	1.3	6.6	1.1	8.6	None	—	—	—	25.2	30	35	26	82	26.3	30	35	27	85
												10625	4.9	1	13.6	30.6	35	35	28	82	32	35	35	29	85
												11125	7.9	1	21.9	41	45	45	38	82	42.4	45	45	39	85
												11625	12	1	33.3	55.3	60	60	51	82	56.6	60	60	52	85
	230-3-60	10.4	73	16	—	—	—	1.4	6	1	8.6	None	—	—	—	24.7	25	35	25	83	25.7	30	35	27	85
												10625	6.5	1	15.6	32.4	35	35	30	83	33.6	35	35	31	85
												11125	10.5	1	25.3	44.5	45	45	41	83	45.8	50	50	42	85
												11625	16	1	38.5	61	70	70	56	83	62.3	70	70	57	85
	460-3-60	5.8	38	9	—	—	—	0.8	3.2	0.5	8.6	None	—	—	—	13.5	15	15	14	44	14	15	15	14	45
												10646	6	1	7.2	15.7	20	20	14	44	16.3	20	20	15	45
												11146	11.5	1	13.8	23.9	25	25	22	44	24.6	25	25	23	45
												11446	14	1	16.8	27.7	30	30	25	44	28.3	30	30	26	45
	575-3-60	3.8	36.5	6	—	—	—	0.6	6	0.4	8.6	None	—	—	—	9.5	15	15	10	40	9.9	15	15	10	41
												11058	9.2	1	8.9	16.3	20	20	15	40	16.8	20	20	15	41
												11458	13.8	1	13.3	21.8	25	25	20	40	22.3	25	25	20	41
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	8.4	1.5	8.6	None	—	—	—	38.5	40	50	39	139	40	40	50	40	143
												10625	4.9	1	23.6	45.4	50	50	42	139	47.3	50	50	43	143
												11125	7.9	1	38	63.4	70	70	58	139	65.3	70	70	60	143
	230-1-60	19.6	130	31	—	—	—	1.4	7.6	1.3	8.6	None	—	—	—	37.8	40	50	38	140	39.1	40	50	39	142
												10625	6.5	1	27.1	48.8	50	50	45	140	50.4	60	60	46	142
												11125	10.5	1	43.8	69.6	70	70	64	140	71.3	80	80	66	142
	208-3-60	13.7	83.1	21	—	—	—	1.3	8.4	1.1	8.6	None	—	—	—	31.1	35	40	32	92	32.2	35	45	33	95
												10625	4.9	1	13.6	32.9	35	40	32	92	34.3	35	45	33	95
												11125	7.9	1	21.9	43.3	45	45	40	92	44.6	45	45	41	95
												11625	12	1	33.3	57.5	60	60	53	92	58.9	60	60	54	95
	230-3-60	13.7	83.1	21	—	—	—	1.4	7.6	1	8.6	None	—	—	—	30.4	35	40	31	93	31.4	35	45	32	95
												10625	6.5	1	15.6	34.4	35	40	32	93	35.6	40	45	33	95
												11125	10.5	1	25.3	46.5	50	50	43	93	47.8	50	50	44	95
												11625	16	1	38.5	63	70	70	58	93	64.3	70	70	59	95
	460-3-60	6.2	41	10	—	—	—	0.8	4	0.5	8.6	None	—	—	—	14.8	15	20	15	47	15.3	20	20	16	48
												10646	6	1	7.2	16.7	20	20	15	47	17.3	20	20	16	48
												11146	11.5	1	13.8	24.9	25	25	23	47	25.6	30	30	24	48
												11446	14	1	16.8	28.7	30	30	26	47	29.3	30	30	27	48
	575-3-60	4.8	33	8	—	—	—	0.6	7.6	0.4	8.6	None	—	—	—	11.4	15	15	12	37	11.8	15	15	12	38
												11058	9.2	1	8.9	17.1	20	20	16	37	17.6	20	20	16	38
												11458	13.8	1	13.3	22.6	25	25	21	37	23.1	25	25	21	38

Table 161: ZY04 to 12 standard indoor blower - with powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCAw/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	152.5	37	—	—	—	2	8.4	1.5	8.6	None	—	—	—	44.3	45	60	44	163	45.8	50	60	46	167
												10625	4.9	1	23.6	45.4	50	60	44	163	47.3	50	60	46	167
												11125	7.9	1	38	63.4	70	70	58	163	65.3	70	70	60	167
	230-1-60	23.7	152.5	37	—	—	—	2.3	7.6	1.3	8.6	None	—	—	—	43.8	45	60	44	164	45.1	50	60	45	167
												10625	6.5	1	27.1	48.8	50	60	45	164	50.4	60	60	46	167
												11125	10.5	1	43.8	69.6	70	70	64	164	71.3	80	80	66	167
	208-3-60	15.9	110	25	—	—	—	2	8.4	1.1	8.6	None	—	—	—	34.6	35	50	35	121	35.7	40	50	36	123
												10625	4.9	1	13.6	34.6	35	50	35	121	35.7	40	50	36	123
												11125	7.9	1	21.9	43.3	45	50	40	121	44.6	45	50	41	123
												11625	12	1	33.3	57.5	60	60	53	121	58.9	60	60	54	123
	230-3-60	15.9	110	25	—	—	—	2.3	7.6	1	8.6	None	—	—	—	34.1	35	45	35	121	35.1	40	50	36	124
												10625	6.5	1	15.6	34.4	35	45	35	121	35.6	40	50	36	124
												11125	10.5	1	25.3	46.5	50	50	43	121	47.8	50	50	44	124
												11625	16	1	38.5	63	70	70	58	121	64.3	70	70	59	124
	460-3-60	7.1	52	11	—	—	—	1.3	4	0.5	8.6	None	—	—	—	16.4	20	20	17	59	16.9	20	20	17	60
												10646	6	1	7.2	16.7	20	20	15	59	17.3	20	20	16	60
												11146	11.5	1	13.8	24.9	25	25	23	59	25.6	30	30	24	60
												11446	14	1	16.8	28.7	30	30	26	59	29.3	30	30	27	60
	575-3-60	5.1	39.5	8	—	—	—	1	7.6	0.4	8.6	None	—	—	—	12.2	15	15	13	44	12.6	15	15	13	45
												11458	13.8	1	13.3	22.6	25	25	21	44	23.1	25	25	21	45
												12358	23	1	22.1	33.6	35	35	31	44	34.1	35	35	31	45
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	5.2	1.1	8.6	None	—	—	—	35.5	40	50	36	172	37.7	40	50	38	177
												10725	4.9	1	13.6	35.5	40	50	36	172	37.7	40	50	38	177
												11725	12	1	33.3	53.5	60	60	49	172	56.3	60	60	52	177
												12525	18.6	1	51.6	76.4	80	80	70	172	79.1	80	80	73	177
	230-3-60	17.6	136	27	—	—	—	2.3	5.2	1	8.6	None	—	—	—	36.1	40	50	36	175	38.1	40	50	39	180
												10725	6.5	1	15.6	36.1	40	50	36	175	38.1	40	50	39	180
												11725	16	1	38.5	60	60	60	55	175	62.5	70	70	58	180
												12525	24.8	1	59.7	86.5	90	90	80	175	89	90	90	82	180
	460-3-60	8.5	66.1	13	—	—	—	1.3	2.6	0.5	8.6	None	—	—	—	18	20	25	18	87	19	20	25	19	89
												10746	6	1	7.2	18	20	25	14	87	19	20	25	15	89
												11746	16.5	1	19.8	30.7	35	35	28	87	31.9	35	35	29	89
												12646	25.5	1	30.7	44.3	45	45	41	87	45.6	50	50	42	89
	575-3-60	6.3	55.3	10	—	—	—	1	2	0.4	8.6	None	—	—	—	13.6	15	15	14	72	14.4	15	15	15	73
												11758	17	1	16.4	25.2	30	30	23	72	26.2	30	30	24	73
												12658	25.7	1	24.7	35.5	40	40	33	72	36.5	40	40	34	73

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 162: ZY04 to 12 standard indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[2] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect rating [4]		MCAw/pwr exh (amps)	Min fuse[2]/ breaker[2] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect rating[4]/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	7	1.1	8.6	None	—	—	—	37.3	40	50	38	209	39.5	40	50	40	214
												10725	4.9	1	13.6	37.3	40	50	38	209	39.5	40	50	40	214
												11725	12	1	33.3	55.8	60	60	51	209	58.5	60	60	54	214
												12525	18.6	1	51.6	78.6	80	80	72	209	81.4	90	90	75	214
	230-3-60	17.6	136	27	—	—	—	2.3	7.2	1	8.6	None	—	—	—	38.1	40	50	39	212	40.1	45	50	41	217
												10725	6.5	1	15.6	38.1	40	50	39	212	40.1	45	50	41	217
												11725	16	1	38.5	62.5	70	70	58	212	65	70	70	60	217
												12525	24.8	1	59.7	89	90	90	82	212	91.5	100	100	84	217
	460-3-60	8.5	66.1	13	—	—	—	1.3	3.6	0.5	8.6	None	—	—	—	19	20	25	19	105	20	20	25	21	107
												10746	6	1	7.2	19	20	25	15	105	20	20	25	16	107
												11746	16.5	1	19.8	31.9	35	35	29	105	33.2	35	35	31	107
												12646	25.5	1	30.7	45.6	50	50	42	105	46.8	50	50	43	107
	575-3-60	6.3	55.3	10	—	—	—	1	2.5	0.4	8.6	None	—	—	—	14.1	15	20	14	79	14.9	15	20	15	81
												11758	17	1	16.4	25.8	30	30	24	79	26.8	30	30	25	81
												12658	25.7	1	24.7	36.2	40	40	33	79	37.2	40	40	34	81
08 (7.5)	208-3-60	12.8	120.4	20	12.8	120.4	20	2	7	1.1	8.6	None	—	—	—	44.1	45	50	47	314	46.3	50	50	50	319
												11725	12	1	33.3	55.8	60	60	51	314	58.5	60	60	54	319
												12525	18.6	1	51.6	78.6	80	80	72	314	81.4	90	90	75	319
												13225	24	1	66.6	97.4	100	100	90	314	100.1	110	110	92	319
												14225	31.8	2	88.3	124.5	125	125	115	314	127.3	150	150	117	319
	230-3-60	12.8	120.4	20	12.8	120.4	20	2.3	7.2	1	8.6	None	—	—	—	44.9	45	50	48	317	46.9	50	50	50	321
												11725	16	1	38.5	62.5	70	70	58	317	65	70	70	60	321
												12525	24.8	1	59.7	89	90	90	82	317	91.5	100	100	84	321
												13225	32	1	77	110.6	125	125	102	317	113.1	125	125	104	321
												14225	42.4	2	102	141.9	150	150	131	317	144.4	150	150	133	321
	460-3-60	6.4	55.1	10	6.4	55.1	10	1.3	3.6	0.5	8.6	None	—	—	—	22.8	25	25	24	149	23.8	25	25	26	151
												11746	16.5	1	19.8	31.9	35	35	29	149	33.2	35	35	31	151
												12846	27.8	1	33.4	48.9	50	50	45	149	50.2	60	60	46	151
												13346	33	1	39.7	56.8	60	60	52	149	58.1	60	60	53	151
												14246	41.7	2	50.2	69.9	70	70	64	149	71.2	80	80	65	151
	575-3-60	5.4	41	9	5.4	41	9	1	2.5	0.4	8.6	None	—	—	—	18.4	20	20	20	106	19.2	20	20	20	108
												11758	17	1	16.4	25.8	30	30	24	106	26.8	30	30	25	108
												13458	34	1	32.7	46.2	50	50	42	106	47.2	50	50	43	108
09 (8.5)	208-3-60	13.7	83.1	21	13.7	83.1	21	2	7	1.1	8.6	None	—	—	—	46.1	50	50	49	239	48.3	50	60	52	244
												11725	12	1	33.3	55.8	60	60	51	239	58.5	60	60	54	244
												12525	18.6	1	51.6	78.6	80	80	72	239	81.4	90	90	75	244
												13225	24	1	66.6	97.4	100	100	90	239	100.1	110	110	92	244
												14225	31.8	2	88.3	124.5	125	125	115	239	127.3	150	150	117	244
	230-3-60	13.7	83.1	21	13.7	83.1	21	2.3	7.2	1	8.6	None	—	—	—	46.9	50	60	50	242	48.9	50	60	52	247
												11725	16	1	38.5	62.5	70	70	58	242	65	70	70	60	247
												12525	24.8	1	59.7	89	90	90	82	242	91.5	100	100	84	247
												13225	32	1	77	110.6	125	125	102	242	113.1	125	125	104	247
												14225	42.4	2	102	141.9	150	150	131	242	144.4	150	150	133	247
	460-3-60	6.2	41	10	6.2	41	10	1.3	3.6	0.5	8.6	None	—	—	—	22.4	25	25	24	121	23.4	25	25	25	123
												11746	16.5	1	19.8	31.9	35	35	29	121	33.2	35	35	31	123
												12846	27.8	1	33.4	48.9	50	50	45	121	50.2	60	60	46	123
												13346	33	1	39.7	56.8	60	60	52	121	58.1	60	60	53	123
												14246	41.7	2	50.2	69.9	70	70	64	121	71.2	80	80	65	123
	575-3-60	4.8	33	8	4.8	33	8	1	2.5	0.4	8.6	None	—	—	—	17	20	20	18	90	17.8	20	20	19	92
												11758	17	1	16.4	25.8	30	30	24	90	26.8	30	30	25	92
												13458	34	1	32.7	46.2	50	50	42	90	47.2	50	50	43	92

Table 162: ZY04 to 12 standard indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect rating[4]		MCAw/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect rating[4]/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	15.4	155	24	15.4	155	24	5.8	7	1.1	8.6	None	—	—	—	51.8	60	60	55	396	54	60	60	58	401
												11725	12	1	33.3	55.8	60	60	55	396	58.5	60	60	58	401
												12525	18.6	1	51.6	78.6	80	80	72	396	81.4	90	90	75	401
												13225	24	1	66.6	97.4	100	100	90	396	100.1	110	110	92	401
												14225	31.8	2	88.3	124.5	125	125	115	396	127.3	150	150	117	401
	230-3-60	15.4	155	24	15.4	155	24	5.2	7.2	1	8.6	None	—	—	—	51.4	60	60	55	395	53.4	60	60	57	400
												11725	16	1	38.5	62.5	70	70	58	395	65	70	70	60	400
												12525	24.8	1	59.7	89	90	90	82	395	91.5	100	100	84	400
												13225	32	1	77	110.6	125	125	102	395	113.1	125	125	104	400
												14225	42.4	2	102	141.9	150	150	131	395	144.4	150	150	133	400
	460-3-60	7.1	62	11	7.1	62	11	2.9	3.6	0.5	8.6	None	—	—	—	24.7	25	30	26	168	25.7	30	30	27	170
												11746	16.5	1	19.8	31.9	35	35	29	168	33.2	35	35	31	170
												12846	27.8	1	33.4	48.9	50	50	45	168	50.2	60	60	46	170
												13346	33	1	39.7	56.8	60	60	52	168	58.1	60	60	53	170
												14246	41.7	2	50.2	69.9	70	70	64	168	71.2	80	80	65	170
	575-3-60	6	47.8	9	6	47.8	9	2.2	2.5	0.4	8.6	None	—	—	—	19.9	20	25	21	126	20.7	25	25	22	128
												11758	17	1	16.4	25.8	30	30	24	126	26.8	30	30	25	128
												13458	34	1	32.7	46.2	50	50	42	126	47.2	50	50	43	128

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZY04 to 12 medium indoor blower - without powered convenience outlet

Table 163: ZY04 to 12 medium indoor blower - without powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA [1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	7.6	1.5	—	None	—	—	—	28.2	30	40	28	120	29.7	30	45	30	123
												10625	4.9	1	23.6	39	40	40	36	120	40.9	45	45	38	123
												11125	7.9	1	38	57	60	60	52	120	58.9	60	60	54	123
	230-1-60	15.4	83.9	24	—	—	—	1.4	7	1.3	—	None	—	—	—	27.7	30	40	27	123	29	30	40	29	126
												10625	6.5	1	27.1	42.6	45	45	39	123	44.3	45	45	41	126
												11125	10.5	1	43.8	63.5	70	70	58	123	65.1	70	70	60	126
	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	—	None	—	—	—	19.5	20	25	19	98	20.6	25	30	21	101
												10625	4.9	1	13.6	23.5	25	25	22	98	24.9	25	30	23	101
												11125	7.9	1	21.9	33.9	35	35	31	98	35.3	40	40	32	101
												11625	12	1	33.3	48.1	50	50	44	98	49.5	50	50	46	101
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	—	None	—	—	—	19.6	20	30	20	101	20.6	25	30	21	104
												10625	6.5	1	15.6	26	30	30	24	101	27.3	30	30	25	104
												11125	10.5	1	25.3	38.1	40	40	35	101	39.4	40	40	36	104
												11625	16	1	38.5	54.6	60	60	50	101	55.9	60	60	51	104
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	—	None	—	—	—	10.7	15	15	11	52	11.2	15	15	11	53
												10646	6	1	7.2	12.3	15	15	11	52	12.9	15	15	12	53
												11146	11.5	1	13.8	20.5	25	25	19	52	21.1	25	25	19	53
												11446	14	1	16.8	24.3	25	25	22	52	24.9	25	25	23	53
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	—	None	—	—	—	7.4	15	15	7	48	7.8	15	15	8	49
												11058	9.2	1	8.9	13.6	15	15	13	48	14.1	15	15	13	49
												11458	13.8	1	13.3	19.1	20	20	18	48	19.6	20	20	18	49
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	7.6	1.5	—	None	—	—	—	33.4	35	50	33	166	34.9	35	50	35	169
												10625	4.9	1	23.6	39	40	50	36	166	40.9	45	50	38	169
												11125	7.9	1	38	57	60	60	52	166	58.9	60	60	54	169
	230-1-60	19.6	130	31	—	—	—	1.4	7	1.3	—	None	—	—	—	32.9	35	50	32	169	34.2	35	50	34	172
												10625	6.5	1	27.1	42.6	45	50	39	169	44.3	45	50	41	172
												11125	10.5	1	43.8	63.5	70	70	58	169	65.1	70	70	60	172
	208-3-60	13.7	83.1	21	—	—	—	1.3	5.2	1.1	—	None	—	—	—	23.6	25	35	23	108	24.7	25	35	24	111
												10625	4.9	1	13.6	23.6	25	35	23	108	24.9	25	35	24	111
												11125	7.9	1	21.9	33.9	35	35	31	108	35.3	40	40	32	111
												11625	12	1	33.3	48.1	50	50	44	108	49.5	50	50	46	111
	230-3-60	13.7	83.1	21	—	—	—	1.4	5.2	1	—	None	—	—	—	23.7	25	35	23	111	24.7	25	35	24	114
												10625	6.5	1	15.6	26	30	35	24	111	27.3	30	35	25	114
												11125	10.5	1	25.3	38.1	40	40	35	111	39.4	40	40	36	114
												11625	16	1	38.5	54.6	60	60	50	111	55.9	60	60	51	114
	460-3-60	6.2	41	10	—	—	—	0.8	2.6	0.5	—	None	—	—	—	11.2	15	15	11	55	11.7	15	15	12	56
												10646	6	1	7.2	12.3	15	15	11	55	12.9	15	15	12	56
												11146	11.5	1	13.8	20.5	25	25	19	55	21.1	25	25	19	56
												11446	14	1	16.8	24.3	25	25	22	55	24.9	25	25	23	56
	575-3-60	4.8	33	8	—	—	—	0.6	2	0.4	—	None	—	—	—	8.6	15	15	9	44	9	15	15	9	45
												11058	9.2	1	8.9	13.6	15	15	13	44	14.1	15	15	13	45
												11458	13.8	1	13.3	19.1	20	20	18	44	19.6	20	20	18	45

Table 163: ZY04 to 12 medium indoor blower - without powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA [1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	152.5	37	—	—	—	2	6.8	1.5	—	None	—	—	—	38.4	40	60	37	189	39.9	40	60	39	193
												10625	4.9	1	23.6	38.4	40	60	37	189	39.9	40	60	39	193
												11125	7.9	1	38	56	60	60	52	189	57.9	60	60	53	193
	230-1-60	23.7	152.5	37	—	—	—	2.3	6.2	1.3	—	None	—	—	—	38.1	40	60	37	190	39.4	40	60	39	193
												10625	6.5	1	27.1	41.6	45	60	38	190	43.3	45	60	40	193
												11125	10.5	1	43.8	62.5	70	70	58	190	64.1	70	70	59	193
	208-3-60	15.9	110	25	—	—	—	2	7	1.1	—	None	—	—	—	28.9	30	40	29	175	30	30	45	30	177
												10625	4.9	1	13.6	28.9	30	40	29	175	30	30	45	30	177
												11125	7.9	1	21.9	36.1	40	40	33	175	37.5	40	45	35	177
												11625	12	1	33.3	50.4	60	60	46	175	51.8	60	60	48	177
	230-3-60	15.9	110	25	—	—	—	2.3	7.2	1	—	None	—	—	—	29.4	30	45	29	177	30.4	35	45	30	179
												10625	6.5	1	15.6	29.4	30	45	29	177	30.4	35	45	30	179
												11125	10.5	1	25.3	40.6	45	45	37	177	41.9	45	45	39	179
												11625	16	1	38.5	57.1	60	60	53	177	58.4	60	60	54	179
	460-3-60	7.1	52	11	—	—	—	1.3	3.6	0.5	—	None	—	—	—	13.8	15	20	14	86	14.3	15	20	14	87
												10646	6	1	7.2	13.8	15	20	12	86	14.3	15	20	13	87
												11146	11.5	1	13.8	21.8	25	25	20	86	22.4	25	25	21	87
												11446	14	1	16.8	25.5	30	30	23	86	26.1	30	30	24	87
	575-3-60	5.1	39.5	8	—	—	—	1	2.5	0.4	—	None	—	—	—	9.9	15	15	10	60	10.3	15	15	10	60
												11458	13.8	1	13.3	19.8	20	20	18	60	20.3	25	25	19	60
												12358	23	1	22.1	30.8	35	35	28	60	31.3	35	35	29	60
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	7.5	1.1	—	None	—	—	—	33.5	35	50	33	193	35.7	40	50	36	198
												10725	4.9	1	13.6	33.5	35	50	33	193	35.7	40	50	36	198
												11725	12	1	33.3	51	60	60	47	193	53.8	60	60	49	198
												12525	18.6	1	51.6	73.9	80	80	68	193	76.6	80	80	70	198
	230-3-60	17.6	136	27	—	—	—	2.3	7.5	1	—	None	—	—	—	34.1	35	50	34	201	36.1	40	50	36	205
												10725	6.5	1	15.6	34.1	35	50	34	201	36.1	40	50	36	205
												11725	16	1	38.5	57.5	60	60	53	201	60	60	60	55	205
												12525	24.8	1	59.7	84	90	90	77	201	86.5	90	90	80	205
	460-3-60	8.5	66.1	13	—	—	—	1.3	3.4	0.5	—	None	—	—	—	16.6	20	25	17	99	17.6	20	25	18	102
												10746	6	1	7.2	16.6	20	25	12	99	17.6	20	25	13	102
												11746	16.5	1	19.8	29	30	30	27	99	30.3	35	35	28	102
												12646	25.5	1	30.7	42.6	45	45	39	99	43.9	45	45	40	102
	575-3-60	6.3	55.3	10	—	—	—	1	2.8	0.4	—	None	—	—	—	12.7	15	15	13	82	13.5	15	15	14	84
												11758	17	1	16.4	24	25	25	22	82	25	25	25	23	84
												12658	25.7	1	24.7	34.4	35	35	32	82	35.4	40	40	33	84

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 164: ZY04 to 12 medium indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA [1] (amps)	Min fuse[2]/ breaker[2] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2]/ breaker[2] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	8.9	1.1	—	None	—	—	—	34.9	35	50	35	207	37.1	40	50	38	212
												10725	4.9	1	13.6	34.9	35	50	35	207	37.1	40	50	38	212
												11725	12	1	33.3	52.8	60	60	49	207	55.5	60	60	51	212
												12525	18.6	1	51.6	75.6	80	80	70	207	78.4	80	80	72	212
	230-3-60	17.6	136	27	—	—	—	2.3	8.2	1	—	None	—	—	—	34.8	35	50	35	215	36.8	40	50	37	219
												10725	6.5	1	15.6	34.8	35	50	35	215	36.8	40	50	37	219
												11725	16	1	38.5	58.4	60	60	54	215	60.9	70	70	56	219
												12525	24.8	1	59.7	84.9	90	90	78	215	87.4	90	90	80	219
	460-3-60	8.5	66.1	13	—	—	—	1.3	4.1	0.5	—	None	—	—	—	17.3	20	25	17	106	18.3	20	25	19	109
												10746	6	1	7.2	17.3	20	25	13	106	18.3	20	25	14	109
												11746	16.5	1	19.8	29.9	30	30	27	106	31.1	35	35	29	109
												12646	25.5	1	30.7	43.5	45	45	40	106	44.8	45	45	41	109
	575-3-60	6.3	55.3	10	—	—	—	1	3.2	0.4	—	None	—	—	—	13.1	15	15	13	86	13.9	15	15	14	88
												11758	17	1	16.4	24.5	25	25	23	86	25.5	30	30	23	88
												12658	25.7	1	24.7	34.9	35	35	32	86	35.9	40	40	33	88
08 (7.5)	208-3-60	12.8	120.4	20	12.8	120.4	20	2	7	1.1	—	None	—	—	—	39.8	40	50	42	310	42	45	50	45	315
												11725	12	1	33.3	50.4	60	60	46	310	53.1	60	60	49	315
												12525	18.6	1	51.6	73.3	80	80	67	310	76	80	80	70	315
												13225	24	1	66.6	92	100	100	85	310	94.8	100	100	87	315
												14225	31.8	2	88.3	119.1	125	125	110	310	121.9	125	125	112	315
	230-3-60	12.8	120.4	20	12.8	120.4	20	2.3	7.2	1	—	None	—	—	—	40.6	45	50	43	312	42.6	45	50	45	317
												11725	16	1	38.5	57.1	60	60	53	312	59.6	60	60	55	317
												12525	24.8	1	59.7	83.6	90	90	77	312	86.1	90	90	79	317
												13225	32	1	77	105.3	110	110	97	312	107.8	110	110	99	317
												14225	42.4	2	102	136.5	150	150	126	312	139	150	150	128	317
	460-3-60	6.4	55.1	10	6.4	55.1	10	1.3	3.6	0.5	—	None	—	—	—	20.6	25	25	22	147	21.6	25	25	23	149
												11746	16.5	1	19.8	29.3	30	30	27	147	30.5	35	35	28	149
												12846	27.8	1	33.4	46.3	50	50	43	147	47.5	50	50	44	149
												13346	33	1	39.7	54.1	60	60	50	147	55.4	60	60	51	149
												14246	41.7	2	50.2	67.3	70	70	62	147	68.5	70	70	63	149
	575-3-60	5.4	41	9	5.4	41	9	1	2.5	0.4	—	None	—	—	—	16.7	20	20	18	104	17.5	20	20	19	106
												11758	17	1	16.4	23.6	25	25	22	104	24.6	25	25	23	106
												13458	34	1	32.7	44	45	45	40	104	45	45	45	41	106
09 (8.5)	208-3-60	13.7	83.1	21	13.7	83.1	21	2	7	1.1	—	None	—	—	—	41.8	45	50	44	235	44	45	50	47	240
												11725	12	1	33.3	50.4	60	60	46	235	53.1	60	60	49	240
												12525	18.6	1	51.6	73.3	80	80	67	235	76	80	80	70	240
												13225	24	1	66.6	92	100	100	85	235	94.8	100	100	87	240
												14225	31.8	2	88.3	119.1	125	125	110	235	121.9	125	125	112	240
	230-3-60	13.7	83.1	21	13.7	83.1	21	2.3	7.2	1	—	None	—	—	—	42.6	45	50	45	238	44.6	45	50	47	242
												11725	16	1	38.5	57.1	60	60	53	238	59.6	60	60	55	242
												12525	24.8	1	59.7	83.6	90	90	77	238	86.1	90	90	79	242
												13225	32	1	77	105.3	110	110	97	238	107.8	110	110	99	242
												14225	42.4	2	102	136.5	150	150	126	238	139	150	150	128	242
	460-3-60	6.2	41	10	6.2	41	10	1.3	3.6	0.5	—	None	—	—	—	20.2	25	25	21	119	21.2	25	25	23	121
												11746	16.5	1	19.8	29.3	30	30	27	119	30.5	35	35	28	121
												12846	27.8	1	33.4	46.3	50	50	43	119	47.5	50	50	44	121
												13346	33	1	39.7	54.1	60	60	50	119	55.4	60	60	51	121
												14246	41.7	2	50.2	67.3	70	70	62	119	68.5	70	70	63	121
	575-3-60	4.8	33	8	4.8	33	8	1	2.5	0.4	—	None	—	—	—	15.3	20	20	16	88	16.1	20	20	17	90
												11758	17	1	16.4	23.6	25	25	22	88	24.6	25	25	23	90
												13458	34	1	32.7	44	45	45	40	88	45	45	45	41	90

Table 164: ZY04 to 12 medium indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA [1] (amps)	Min fuse [2] / breaker [3] size (amps)	Max fuse [2] / breaker [3] size (amps)	Min disconnect [4] rating		MCA w/pwr exh (amps)	Min fuse [2] / breaker [3] size w/ pwr exh (amps)	Max fuse [2] / breaker [3] size w/ pwr exh (amps)	Min disconnect [4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	15.4	155	24	15.4	155	24	5.8	9.9	1.1	—	None	—	—	—	50.4	60	60	53	405	52.6	60	60	56	410
												11725	12	1	33.3	54	60	60	53	405	56.8	60	60	56	410
												12525	18.6	1	51.6	76.9	80	80	71	405	79.6	80	80	73	410
												13225	24	1	66.6	95.6	100	100	88	405	98.4	100	100	91	410
												14225	31.8	2	88.3	122.8	125	125	113	405	125.5	150	150	115	410
	230-3-60	15.4	155	24	15.4	155	24	5.2	9.4	1	—	None	—	—	—	49.3	50	60	52	410	51.3	60	60	55	414
												11725	16	1	38.5	59.9	60	60	55	410	62.4	70	70	57	414
												12525	24.8	1	59.7	86.4	90	90	79	410	88.9	90	90	82	414
												13225	32	1	77	108	110	110	99	410	110.5	125	125	102	414
												14225	42.4	2	102	139.3	150	150	128	410	141.8	150	150	130	414
	460-3-60	7.1	62	11	7.1	62	11	2.9	4.7	0.5	—	None	—	—	—	23.6	25	30	25	175	24.6	25	30	26	178
												11746	16.5	1	19.8	30.6	35	35	28	175	31.9	35	35	29	178
												12846	27.8	1	33.4	47.6	50	50	44	175	48.9	50	50	45	178
												13346	33	1	39.7	55.5	60	60	51	175	56.8	60	60	52	178
												14246	41.7	2	50.2	68.6	70	70	63	175	69.9	70	70	64	178
	575-3-60	6	47.8	9	6	47.8	9	2.2	4.3	0.4	—	None	—	—	—	20	25	25	21	147	20.8	25	25	22	149
												11758	17	1	16.4	25.9	30	30	24	147	26.9	30	30	25	149
												13458	34	1	32.7	46.3	50	50	43	147	47.3	50	50	43	149

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZY04 to 12 medium indoor blower - with powered convenience outlet

Table 165: ZY04 to 12 medium indoor blower - with powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	15.4	83.9	24	—	—	—	1.3	7.6	1.5	8.6	None	—	—	—	32.5	35	45	33	124	34	35	45	35	128
												10625	4.9	1	23.6	44.4	45	45	41	124	46.3	50	50	43	128
												11125	7.9	1	38	62.4	70	70	57	124	64.3	70	70	59	128
	230-1-60	15.4	83.9	24	—	—	—	1.4	7	1.3	8.6	None	—	—	—	32	35	45	32	127	33.3	35	45	34	130
												10625	6.5	1	27.1	48	50	50	44	127	49.6	50	50	46	130
												11125	10.5	1	43.8	68.9	70	70	63	127	70.5	80	80	65	130
	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	23.8	25	30	24	103	24.9	25	35	26	105
												10625	4.9	1	13.6	28.9	30	30	27	103	30.3	35	35	28	105
												11125	7.9	1	21.9	39.3	40	40	36	103	40.6	45	45	37	105
												11625	12	1	33.3	53.5	60	60	49	103	54.9	60	60	50	105
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	8.6	None	—	—	—	23.9	25	30	24	106	24.9	25	35	26	108
												10625	6.5	1	15.6	31.4	35	35	29	106	32.6	35	35	30	108
												11125	10.5	1	25.3	43.5	45	45	40	106	44.8	45	45	41	108
												11625	16	1	38.5	60	60	60	55	106	61.3	70	70	56	108
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	12.9	15	15	13	54	13.4	15	15	14	56
												10646	6	1	7.2	14.9	15	15	14	54	15.6	20	20	14	56
												11146	11.5	1	13.8	23.2	25	25	21	54	23.8	25	25	22	56
												11446	14	1	16.8	26.9	30	30	25	54	27.6	30	30	25	56
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	8.6	None	—	—	—	9.1	15	15	9	50	9.5	15	15	10	51
												11058	9.2	1	8.9	15.8	20	20	15	50	16.3	20	20	15	51
												11458	13.8	1	13.3	21.3	25	25	20	50	21.8	25	25	20	51
05 (4)	208-1-60	19.6	130	31	—	—	—	1.3	7.6	1.5	8.6	None	—	—	—	37.7	40	50	38	170	39.2	40	50	39	174
												10625	4.9	1	23.6	44.4	45	50	41	170	46.3	50	50	43	174
												11125	7.9	1	38	62.4	70	70	57	170	64.3	70	70	59	174
	230-1-60	19.6	130	31	—	—	—	1.4	7	1.3	8.6	None	—	—	—	37.2	40	50	37	173	38.5	40	50	39	176
												10625	6.5	1	27.1	48	50	50	44	173	49.6	50	50	46	176
												11125	10.5	1	43.8	68.9	70	70	63	173	70.5	80	80	65	176
	208-3-60	13.7	83.1	21	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	27.9	30	40	28	113	29	30	40	29	115
												10625	4.9	1	13.6	28.9	30	40	28	113	30.3	35	40	29	115
												11125	7.9	1	21.9	39.3	40	40	36	113	40.6	45	45	37	115
												11625	12	1	33.3	53.5	60	60	49	113	54.9	60	60	50	115
	230-3-60	13.7	83.1	21	—	—	—	1.4	5.2	1	8.6	None	—	—	—	28	30	40	28	116	29	30	40	29	118
												10625	6.5	1	15.6	31.4	35	40	29	116	32.6	35	40	30	118
												11125	10.5	1	25.3	43.5	45	45	40	116	44.8	45	45	41	118
												11625	16	1	38.5	60	60	60	55	116	61.3	70	70	56	118
	460-3-60	6.2	41	10	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	13.4	15	15	14	57	13.9	15	15	14	59
												10646	6	1	7.2	14.9	15	15	14	57	15.6	20	20	14	59
												11146	11.5	1	13.8	23.2	25	25	21	57	23.8	25	25	22	59
												11446	14	1	16.8	26.9	30	30	25	57	27.6	30	30	25	59
	575-3-60	4.8	33	8	—	—	—	0.6	2	0.4	8.6	None	—	—	—	10.3	15	15	10	46	10.7	15	15	11	47
												11058	9.2	1	8.9	15.8	20	20	15	46	16.3	20	20	15	47
												11458	13.8	1	13.3	21.3	25	25	20	46	21.8	25	25	20	47

Table 165: ZY04 to 12 medium indoor blower - with powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-1-60	23.7	152.5	37	—	—	—	2	6.8	1.5	8.6	None	—	—	—	42.7	45	60	42	194	44.2	45	60	44	197
												10625	4.9	1	23.6	43.4	45	60	42	194	45.3	50	60	44	197
												11125	7.9	1	38	61.4	70	70	56	194	63.3	70	70	58	197
	230-1-60	23.7	152.5	37	—	—	—	2.3	6.2	1.3	8.6	None	—	—	—	42.4	45	60	42	195	43.7	45	60	43	198
												10625	6.5	1	27.1	47	50	60	43	195	48.6	50	60	45	198
												11125	10.5	1	43.8	67.9	70	70	62	195	69.5	70	70	64	198
	208-3-60	15.9	110	25	—	—	—	2	7	1.1	8.6	None	—	—	—	33.2	35	45	34	179	34.3	35	50	35	181
												10625	4.9	1	13.6	33.2	35	45	34	179	34.3	35	50	35	181
												11125	7.9	1	21.9	41.5	45	45	38	179	42.9	45	50	39	181
												11625	12	1	33.3	55.8	60	60	51	179	57.1	60	60	53	181
	230-3-60	15.9	110	25	—	—	—	2.3	7.2	1	8.6	None	—	—	—	33.7	35	45	34	181	34.7	35	50	35	183
												10625	6.5	1	15.6	33.9	35	45	34	181	35.1	40	50	35	183
												11125	10.5	1	25.3	46	50	50	42	181	47.3	50	50	43	183
												11625	16	1	38.5	62.5	70	70	58	181	63.8	70	70	59	183
	460-3-60	7.1	52	11	—	—	—	1.3	3.6	0.5	8.6	None	—	—	—	16	20	20	16	88	16.5	20	20	17	89
												10646	6	1	7.2	16.2	20	20	15	88	16.8	20	20	15	89
												11146	11.5	1	13.8	24.4	25	25	22	88	25.1	30	30	23	89
												11446	14	1	16.8	28.2	30	30	26	88	28.8	30	30	27	89
	575-3-60	5.1	39.5	8	—	—	—	1	2.5	0.4	8.6	None	—	—	—	11.6	15	15	12	61	12	15	15	12	62
												11458	13.8	1	13.3	21.9	25	25	20	61	22.4	25	25	21	62
												12358	23	1	22.1	32.9	35	35	30	61	33.4	35	35	31	62
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	7.5	1.1	8.6	None	—	—	—	37.8	40	50	38	198	40	40	50	41	203
												10725	4.9	1	13.6	37.8	40	50	38	198	40	40	50	41	203
												11725	12	1	33.3	56.4	60	60	52	198	59.1	60	60	54	203
												12525	18.6	1	51.6	79.3	80	80	73	198	82	90	90	75	203
	230-3-60	17.6	136	27	—	—	—	2.3	7.5	1	8.6	None	—	—	—	38.4	40	50	39	205	40.4	45	50	41	210
												10725	6.5	1	15.6	38.4	40	50	39	205	40.4	45	50	41	210
												11725	16	1	38.5	62.9	70	70	58	205	65.4	70	70	60	210
												12525	24.8	1	59.7	89.4	90	90	82	205	91.9	100	100	85	210
	460-3-60	8.5	66.1	13	—	—	—	1.3	3.4	0.5	8.6	None	—	—	—	18.8	20	25	19	102	19.8	20	25	20	104
												10746	6	1	7.2	18.8	20	25	15	102	19.8	20	25	16	104
												11746	16.5	1	19.8	31.7	35	35	29	102	32.9	35	35	30	104
												12646	25.5	1	30.7	45.3	50	50	42	102	46.6	50	50	43	104
	575-3-60	6.3	55.3	10	—	—	—	1	2.8	0.4	8.6	None	—	—	—	14.4	15	20	15	84	15.2	20	20	16	85
												11758	17	1	16.4	26.2	30	30	24	84	27.2	30	30	25	85
												12658	25.7	1	24.7	36.5	40	40	34	84	37.5	40	40	35	85

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused Disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 166: ZY04 to 12 medium indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[2] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[2] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	8.9	1.1	8.6	None	—	—	—	39.2	40	50	40	211	41.4	45	50	43	216
												10725	4.9	1	13.6	39.2	40	50	40	211	41.4	45	50	43	216
												11725	12	1	33.3	58.1	60	60	53	211	60.9	70	70	56	216
												12525	18.6	1	51.6	81	90	90	75	211	83.8	90	90	77	216
	230-3-60	17.6	136	27	—	—	—	2.3	8.2	1	8.6	None	—	—	—	39.1	40	50	40	219	41.1	45	50	42	224
												10725	6.5	1	15.6	39.1	40	50	40	219	41.1	45	50	42	224
												11725	16	1	38.5	63.8	70	70	59	219	66.3	70	70	61	224
												12525	24.8	1	59.7	90.3	100	100	83	219	92.8	100	100	85	224
	460-3-60	8.5	66.1	13	—	—	—	1.3	4.1	0.5	8.6	None	—	—	—	19.5	20	25	20	109	20.5	25	25	21	111
												10746	6	1	7.2	19.5	20	25	15	109	20.5	25	25	17	111
												11746	16.5	1	19.8	32.6	35	35	30	109	33.8	35	35	31	111
												12646	25.5	1	30.7	46.2	50	50	42	109	47.4	50	50	44	111
	575-3-60	6.3	55.3	10	—	—	—	1	3.2	0.4	8.6	None	—	—	—	14.8	15	20	15	88	15.6	20	20	16	90
												11758	17	1	16.4	26.7	30	30	25	88	27.7	30	30	25	90
												12658	25.7	1	24.7	37	40	40	34	88	38	40	40	35	90
08 (7.5)	208-3-60	12.8	120.4	20	12.8	120.4	20	2	7	1.1	8.6	None	—	—	—	44.1	45	50	47	314	46.3	50	50	50	319
												11725	12	1	33.3	55.8	60	60	51	314	58.5	60	60	54	319
												12525	18.6	1	51.6	78.6	80	80	72	314	81.4	90	90	75	319
												13225	24	1	66.6	97.4	100	100	90	314	100.1	110	110	92	319
												14225	31.8	2	88.3	124.5	125	125	115	314	127.3	150	150	117	319
	230-3-60	12.8	120.4	20	12.8	120.4	20	2.3	7.2	1	8.6	None	—	—	—	44.9	45	50	48	317	46.9	50	50	50	321
												11725	16	1	38.5	62.5	70	70	58	317	65	70	70	60	321
												12525	24.8	1	59.7	89	90	90	82	317	91.5	100	100	84	321
												13225	32	1	77	110.6	125	125	102	317	113.1	125	125	104	321
												14225	42.4	2	102	141.9	150	150	131	317	144.4	150	150	133	321
	460-3-60	6.4	55.1	10	6.4	55.1	10	1.3	3.6	0.5	8.6	None	—	—	—	22.8	25	25	24	149	23.8	25	25	26	151
												11746	16.5	1	19.8	31.9	35	35	29	149	33.2	35	35	31	151
												12846	27.8	1	33.4	48.9	50	50	45	149	50.2	60	60	46	151
												13346	33	1	39.7	56.8	60	60	52	149	58.1	60	60	53	151
												14246	41.7	2	50.2	69.9	70	70	64	149	71.2	80	80	65	151
	575-3-60	5.4	41	9	5.4	41	9	1	2.5	0.4	8.6	None	—	—	—	18.4	20	20	20	106	19.2	20	20	20	108
												11758	17	1	16.4	25.8	30	30	24	106	26.8	30	30	25	108
												13458	34	1	32.7	46.2	50	50	42	106	47.2	50	50	43	108
09 (8.5)	208-3-60	13.7	83.1	21	13.7	83.1	21	2	7	1.1	8.6	None	—	—	—	46.1	50	50	49	239	48.3	50	60	52	244
												11725	12	1	33.3	55.8	60	60	51	239	58.5	60	60	54	244
												12525	18.6	1	51.6	78.6	80	80	72	239	81.4	90	90	75	244
												13225	24	1	66.6	97.4	100	100	90	239	100.1	110	110	92	244
												14225	31.8	2	88.3	124.5	125	125	115	239	127.3	150	150	117	244
	230-3-60	13.7	83.1	21	13.7	83.1	21	2.3	7.2	1	8.6	None	—	—	—	46.9	50	60	50	242	48.9	50	60	52	247
												11725	16	1	38.5	62.5	70	70	58	242	65	70	70	60	247
												12525	24.8	1	59.7	89	90	90	82	242	91.5	100	100	84	247
												13225	32	1	77	110.6	125	125	102	242	113.1	125	125	104	247
												14225	42.4	2	102	141.9	150	150	131	242	144.4	150	150	133	247
	460-3-60	6.2	41	10	6.2	41	10	1.3	3.6	0.5	8.6	None	—	—	—	22.4	25	25	24	121	23.4	25	25	25	123
												11746	16.5	1	19.8	31.9	35	35	29	121	33.2	35	35	31	123
												12846	27.8	1	33.4	48.9	50	50	45	121	50.2	60	60	46	123
												13346	33	1	39.7	56.8	60	60	52	121	58.1	60	60	53	123
												14246	41.7	2	50.2	69.9	70	70	64	121	71.2	80	80	65	123
	575-3-60	4.8	33	8	4.8	33	8	1	2.5	0.4	8.6	None	—	—	—	17	20	20	18	90	17.8	20	20	19	92
												11758	17	1	16.4	25.8	30	30	24	90	26.8	30	30	25	92
												13458	34	1	32.7	46.2	50	50	42	90	47.2	50	50	43	92

Table 166: ZY04 to 12 medium indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	15.4	155	24	15.4	155	24	5.8	9.9	1.1	8.6	None	—	—	—	54.7	60	70	58	409	56.9	60	70	61	414
												11725	12	1	33.3	59.4	60	70	58	409	62.1	70	70	61	414
												12525	18.6	1	51.6	82.3	90	90	76	409	85	90	90	78	414
												13225	24	1	66.6	101	110	110	93	409	103.8	110	110	95	414
												14225	31.8	2	88.3	128.1	150	150	118	409	130.9	150	150	120	414
	230-3-60	15.4	155	24	15.4	155	24	5.2	9.4	1	8.6	None	—	—	—	53.6	60	60	57	414	55.6	60	70	59	419
												11725	16	1	38.5	65.3	70	70	60	414	67.8	70	70	62	419
												12525	24.8	1	59.7	91.8	100	100	84	414	94.3	100	100	87	419
												13225	32	1	77	113.4	125	125	104	414	115.9	125	125	107	419
												14225	42.4	2	102	144.6	150	150	133	414	147.1	150	150	135	419
	460-3-60	7.1	62	11	7.1	62	11	2.9	4.7	0.5	8.6	None	—	—	—	25.8	30	30	28	177	26.8	30	30	29	180
												11746	16.5	1	19.8	33.3	35	35	31	177	34.6	35	35	32	180
												12846	27.8	1	33.4	50.3	60	60	46	177	51.6	60	60	47	180
												13346	33	1	39.7	58.2	60	60	54	177	59.4	60	60	55	180
												14246	41.7	2	50.2	71.3	80	80	66	177	72.6	80	80	67	180
	575-3-60	6	47.8	9	6	47.8	9	2.2	4.3	0.4	8.6	None	—	—	—	21.7	25	25	23	149	22.5	25	25	24	150
												11758	17	1	16.4	28	30	30	26	149	29	30	30	27	150
												13458	34	1	32.7	48.4	50	50	45	149	49.4	50	50	45	150

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused Disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZY04 to 12 high indoor blower - without powered convenience outlet

Table 167: ZY04 to 12 high indoor blower - without powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	—	None	—	—	—	19.5	20	25	19	98	20.6	25	30	21	101
												10625	4.9	1	13.6	23.5	25	25	22	98	24.9	25	30	23	101
												11125	7.9	1	21.9	33.9	35	35	31	98	35.3	40	40	32	101
												11625	12	1	33.3	48.1	50	50	44	98	49.5	50	50	46	101
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	—	None	—	—	—	19.6	20	30	20	101	20.6	25	30	21	104
												10625	6.5	1	15.6	26	30	30	24	101	27.3	30	30	25	104
												11125	10.5	1	25.3	38.1	40	40	35	101	39.4	40	40	36	104
												11625	16	1	38.5	54.6	60	60	50	101	55.9	60	60	51	104
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	—	None	—	—	—	10.7	15	15	11	52	11.2	15	15	11	53
												10646	6	1	7.2	12.3	15	15	11	52	12.9	15	15	12	53
												11146	11.5	1	13.8	20.5	25	25	19	52	21.1	25	25	19	53
												11446	14	1	16.8	24.3	25	25	22	52	24.9	25	25	23	53
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	—	None	—	—	—	7.4	15	15	7	48	7.8	15	15	8	49
												11058	9.2	1	8.9	13.6	15	15	13	48	14.1	15	15	13	49
												11458	13.8	1	13.3	19.1	20	20	18	48	19.6	20	20	18	49
05 (4)	208-3-60	13.7	83.1	21	—	—	—	1.3	7.5	1.1	—	None	—	—	—	25.9	30	35	26	135	27	30	40	27	137
												10625	4.9	1	13.6	26.4	30	35	26	135	27.8	30	40	27	137
												11125	7.9	1	21.9	36.8	40	40	34	135	38.1	40	40	35	137
												11625	12	1	33.3	51	60	60	47	135	52.4	60	60	48	137
	230-3-60	13.7	83.1	21	—	—	—	1.4	7.5	1	—	None	—	—	—	26	30	35	26	141	27	30	40	27	144
												10625	6.5	1	15.6	28.9	30	35	27	141	30.1	35	40	28	144
												11125	10.5	1	25.3	41	45	45	38	141	42.3	45	45	39	144
												11625	16	1	38.5	57.5	60	60	53	141	58.8	60	60	54	144
	460-3-60	6.2	41	10	—	—	—	0.8	3.4	0.5	—	None	—	—	—	12	15	15	12	70	12.5	15	15	13	71
												10646	6	1	7.2	13.3	15	15	12	70	13.9	15	15	13	71
												11146	11.5	1	13.8	21.5	25	25	20	70	22.1	25	25	20	71
												11446	14	1	16.8	25.3	30	30	23	70	25.9	30	30	24	71
	575-3-60	4.8	33	8	—	—	—	0.6	2.8	0.4	—	None	—	—	—	9.4	15	15	9	56	9.8	15	15	10	57
												11058	9.2	1	8.9	14.6	15	15	13	56	15.1	20	20	14	57
												11458	13.8	1	13.3	20.1	25	25	19	56	20.6	25	25	19	57
06 (5)	208-3-60	15.9	110	25	—	—	—	2	8.9	1.1	—	None	—	—	—	30.8	35	45	31	191	31.9	35	45	32	194
												10625	4.9	1	13.6	30.8	35	45	31	191	31.9	35	45	32	194
												11125	7.9	1	21.9	38.5	40	45	35	191	39.9	40	45	37	194
												11625	12	1	33.3	52.8	60	60	49	191	54.1	60	60	50	194
	230-3-60	15.9	110	25	—	—	—	2.3	8.2	1	—	None	—	—	—	30.4	35	45	30	194	31.4	35	45	32	196
												10625	6.5	1	15.6	30.4	35	45	30	194	31.4	35	45	32	196
												11125	10.5	1	25.3	41.9	45	45	39	194	43.1	45	45	40	196
												11625	16	1	38.5	58.4	60	60	54	194	59.6	60	60	55	196
	460-3-60	7.1	52	11	—	—	—	1.3	4.1	0.5	—	None	—	—	—	14.3	15	20	14	89	14.8	15	20	15	91
												10646	6	1	7.2	14.3	15	20	13	89	14.8	15	20	14	91
												11146	11.5	1	13.8	22.4	25	25	21	89	23	25	25	21	91
												11446	14	1	16.8	26.1	30	30	24	89	26.8	30	30	25	91
	575-3-60	5.1	39.5	8	—	—	—	1	3.2	0.4	—	None	—	—	—	10.6	15	15	11	68	11	15	15	11	69
												11458	13.8	1	13.3	20.6	25	25	19	68	21.1	25	25	19	69
												12358	23	1	22.1	31.6	35	35	29	68	32.1	35	35	30	69

1 Minimum circuit ampacity.
2 Dual element, time delay type.

3 HACR type per NEC.
4 Non-fused Disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 168: ZY04 to 12 high indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/ breaker [3]size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	9.9	1.1	—	None	—	—	—	35.9	40	50	36	217	38.1	40	50	39	222
												10725	4.9	1	13.6	35.9	40	50	36	217	38.1	40	50	39	222
												11725	12	1	33.3	54	60	60	50	217	56.8	60	60	52	222
												12525	18.6	1	51.6	76.9	80	80	71	217	79.6	80	80	73	222
	230-3-60	17.6	136	27	—	—	—	2.3	9.4	1	—	None	—	—	—	36	40	50	36	226	38	40	50	39	231
												10725	6.5	1	15.6	36	40	50	36	226	38	40	50	39	231
												11725	16	1	38.5	59.9	60	60	55	226	62.4	70	70	57	231
												12525	24.8	1	59.7	86.4	90	90	79	226	88.9	90	90	82	231
	460-3-60	8.5	66.1	13	—	—	—	1.3	4.7	0.5	—	None	—	—	—	17.9	20	25	18	112	18.9	20	25	19	114
												10746	6	1	7.2	17.9	20	25	14	112	18.9	20	25	15	114
												11746	16.5	1	19.8	30.6	35	35	28	112	31.9	35	35	29	114
												12646	25.5	1	30.7	44.3	45	45	41	112	45.5	50	50	42	114
	575-3-60	6.3	55.3	10	—	—	—	1	4.3	0.4	—	None	—	—	—	14.2	15	20	14	100	15	15	20	15	102
												11758	17	1	16.4	25.9	30	30	24	100	26.9	30	30	25	102
												12658	25.7	1	24.7	36.3	40	40	33	100	37.3	40	40	34	102
08 (7.5)	208-3-60	12.8	120.4	20	12.8	120.4	20	2	9.9	1.1	—	None	—	—	—	42.7	45	50	45	322	44.9	45	50	48	327
												11725	12	1	33.3	54	60	60	50	322	56.8	60	60	52	327
												12525	18.6	1	51.6	76.9	80	80	71	322	79.6	80	80	73	327
												13225	24	1	66.6	95.6	100	100	88	322	98.4	100	100	91	327
												14225	31.8	2	88.3	122.8	125	125	113	322	125.5	150	150	115	327
	230-3-60	12.8	120.4	20	12.8	120.4	20	2.3	9.4	1	—	None	—	—	—	42.8	45	50	46	331	44.8	45	50	48	336
												11725	16	1	38.5	59.9	60	60	55	331	62.4	70	70	57	336
												12525	24.8	1	59.7	86.4	90	90	79	331	88.9	90	90	82	336
												13225	32	1	77	108	110	110	99	331	110.5	125	125	102	336
												14225	42.4	2	102	139.3	150	150	128	331	141.8	150	150	130	336
	460-3-60	6.4	55.1	10	6.4	55.1	10	1.3	4.7	0.5	—	None	—	—	—	21.7	25	25	23	156	22.7	25	25	24	159
												11746	16.5	1	19.8	30.6	35	35	28	156	31.9	35	35	29	159
												12846	27.8	1	33.4	47.6	50	50	44	156	48.9	50	50	45	159
												13346	33	1	39.7	55.5	60	60	51	156	56.8	60	60	52	159
												14246	41.7	2	50.2	68.6	70	70	63	156	69.9	70	70	64	159
	575-3-60	5.4	41	9	5.4	41	9	1	4.3	0.4	—	None	—	—	—	18.5	20	20	20	127	19.3	20	20	21	128
												11758	17	1	16.4	25.9	30	30	24	127	26.9	30	30	25	128
												13458	34	1	32.7	46.3	50	50	43	127	47.3	50	50	43	128

Table 168: ZY04 to 12 high indoor blower - without powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[2] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min disconnect[4] rating/ pwr exh			
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA		Min fuse[2]/ breaker[2] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	FLA	LRA
09 (8.5)	208-3-60	13.7	83.1	21	13.7	83.1	21	2	9.9	1.1	—	None	—	—	—	44.7	45	50	47	248	46.9	50	50	50	253
												11725	12	1	33.3	54	60	60	50	248	56.8	60	60	52	253
												12525	18.6	1	51.6	76.9	80	80	71	248	79.6	80	80	73	253
												13225	24	1	66.6	95.6	100	100	88	248	98.4	100	100	91	253
												14225	31.8	2	88.3	122.8	125	125	113	248	125.5	150	150	115	253
	230-3-60	13.7	83.1	21	13.7	83.1	21	2.3	9.4	1	—	None	—	—	—	44.8	45	50	48	257	46.8	50	60	50	261
												11725	16	1	38.5	59.9	60	60	55	257	62.4	70	70	57	261
												12525	24.8	1	59.7	86.4	90	90	79	257	88.9	90	90	82	261
												13225	32	1	77	108	110	110	99	257	110.5	125	125	102	261
												14225	42.4	2	102	139.3	150	150	128	257	141.8	150	150	130	261
	460-3-60	6.2	41	10	6.2	41	10	1.3	4.7	0.5	—	None	—	—	—	21.3	25	25	23	128	22.3	25	25	24	130
												11746	16.5	1	19.8	30.6	35	35	28	128	31.9	35	35	29	130
												12846	27.8	1	33.4	47.6	50	50	44	128	48.9	50	50	45	130
												13346	33	1	39.7	55.5	60	60	51	128	56.8	60	60	52	130
												14246	41.7	2	50.2	68.6	70	70	63	128	69.9	70	70	64	130
	575-3-60	4.8	33	8	4.8	33	8	1	4.3	0.4	—	None	—	—	—	17.1	20	20	18	111	17.9	20	20	19	112
												11758	17	1	16.4	25.9	30	30	24	111	26.9	30	30	25	112
												13458	34	1	32.7	46.3	50	50	43	111	47.3	50	50	43	112
12 (10)	208-3-60	15.4	155	24	15.4	155	24	5.8	13.5	1.1	—	None	—	—	—	54	60	60	58	435	56.2	60	70	60	440
												11725	12	1	33.3	58.5	60	60	58	435	61.3	70	70	60	440
												12525	18.6	1	51.6	81.4	90	90	75	435	84.1	90	90	77	440
												13225	24	1	66.6	100.1	110	110	92	435	102.9	110	110	95	440
												14225	31.8	2	88.3	127.3	150	150	117	435	130	150	150	120	440
	230-3-60	15.4	155	24	15.4	155	24	5.2	13.4	1	—	None	—	—	—	53.3	60	60	57	431	55.3	60	70	59	436
												11725	16	1	38.5	64.9	70	70	60	431	67.4	70	70	62	436
												12525	24.8	1	59.7	91.4	100	100	84	431	93.9	100	100	86	436
												13225	32	1	77	113	125	125	104	431	115.5	125	125	106	436
												14225	42.4	2	102	144.3	150	150	133	431	146.8	150	150	135	436
	460-3-60	7.1	62	11	7.1	62	11	2.9	6.7	0.5	—	None	—	—	—	25.6	30	30	27	186	26.6	30	30	29	188
												11746	16.5	1	19.8	33.1	35	35	30	186	34.4	35	35	32	188
												12846	27.8	1	33.4	50.1	60	60	46	186	51.4	60	60	47	188
												13346	33	1	39.7	58	60	60	53	186	59.3	60	60	55	188
												14246	41.7	2	50.2	71.1	80	80	65	186	72.4	80	80	67	188
	575-3-60	6	47.8	9	6	47.8	9	2.2	5.4	0.4	—	None	—	—	—	21.1	25	25	23	147	21.9	25	25	23	149
												11758	17	1	16.4	27.3	30	30	25	147	28.3	30	30	26	149
												13458	34	1	32.7	47.6	50	50	44	147	48.6	50	50	45	149

1 Minimum circuit ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZY04 to 12 high indoor blower - with powered convenience outlet

Table 169: ZY04 to 12 high indoor blower - with powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	10.4	73	16	—	—	—	1.3	5.2	1.1	8.6	None	—	—	—	23.8	25	30	24	103	24.9	25	35	26	105
												10625	4.9	1	13.6	28.9	30	30	27	103	30.3	35	35	28	105
												11125	7.9	1	21.9	39.3	40	40	36	103	40.6	45	45	37	105
												11625	12	1	33.3	53.5	60	60	49	103	54.9	60	60	50	105
	230-3-60	10.4	73	16	—	—	—	1.4	5.2	1	8.6	None	—	—	—	23.9	25	30	24	106	24.9	25	35	26	108
												10625	6.5	1	15.6	31.4	35	35	29	106	32.6	35	35	30	108
												11125	10.5	1	25.3	43.5	45	45	40	106	44.8	45	45	41	108
												11625	16	1	38.5	60	60	60	55	106	61.3	70	70	56	108
	460-3-60	5.8	38	9	—	—	—	0.8	2.6	0.5	8.6	None	—	—	—	12.9	15	15	13	54	13.4	15	15	14	56
												10646	6	1	7.2	14.9	15	15	14	54	15.6	20	20	14	56
												11146	11.5	1	13.8	23.2	25	25	21	54	23.8	25	25	22	56
												11446	14	1	16.8	26.9	30	30	25	54	27.6	30	30	25	56
	575-3-60	3.8	36.5	6	—	—	—	0.6	2	0.4	8.6	None	—	—	—	9.1	15	15	9	50	9.5	15	15	10	51
												11058	9.2	1	8.9	15.8	20	20	15	50	16.3	20	20	15	51
												11458	13.8	1	13.3	21.3	25	25	20	50	21.8	25	25	20	51
05 (4)	208-3-60	13.7	83.1	21	—	—	—	1.3	7.5	1.1	8.6	None	—	—	—	30.2	35	40	31	139	31.3	35	45	32	141
												10625	4.9	1	13.6	31.8	35	40	31	139	33.1	35	45	32	141
												11125	7.9	1	21.9	42.1	45	45	39	139	43.5	45	45	40	141
												11625	12	1	33.3	56.4	60	60	52	139	57.8	60	60	53	141
	230-3-60	13.7	83.1	21	—	—	—	1.4	7.5	1	8.6	None	—	—	—	30.3	35	40	31	146	31.3	35	45	32	148
												10625	6.5	1	15.6	34.3	35	40	32	146	35.5	40	45	33	148
												11125	10.5	1	25.3	46.4	50	50	43	146	47.6	50	50	44	148
												11625	16	1	38.5	62.9	70	70	58	146	64.1	70	70	59	148
	460-3-60	6.2	41	10	—	—	—	0.8	3.4	0.5	8.6	None	—	—	—	14.2	15	20	14	72	14.7	15	20	15	74
												10646	6	1	7.2	15.9	20	20	15	72	16.6	20	20	15	74
												11146	11.5	1	13.8	24.2	25	25	22	72	24.8	25	25	23	74
												11446	14	1	16.8	27.9	30	30	26	72	28.6	30	30	26	74
	575-3-60	4.8	33	8	—	—	—	0.6	2.8	0.4	8.6	None	—	—	—	11.1	15	15	11	58	11.5	15	15	12	59
												11058	9.2	1	8.9	16.8	20	20	15	58	17.3	20	20	16	59
												11458	13.8	1	13.3	22.3	25	25	20	58	22.8	25	25	21	59
06 (5)	208-3-60	15.9	110	25	—	—	—	2	8.9	1.1	8.6	None	—	—	—	35.1	40	50	36	196	36.2	40	50	37	198
												10625	4.9	1	13.6	35.1	40	50	36	196	36.2	40	50	37	198
												11125	7.9	1	21.9	43.9	45	50	40	196	45.3	50	50	42	198
												11625	12	1	33.3	58.1	60	60	53	196	59.5	60	60	55	198
	230-3-60	15.9	110	25	—	—	—	2.3	8.2	1	8.6	None	—	—	—	34.7	35	50	35	198	35.7	40	50	36	201
												10625	6.5	1	15.6	35.1	40	50	35	198	36.4	40	50	36	201
												11125	10.5	1	25.3	47.3	50	50	43	198	48.5	50	50	45	201
												11625	16	1	38.5	63.8	70	70	59	198	65	70	70	60	201
	460-3-60	7.1	52	11	—	—	—	1.3	4.1	0.5	8.6	None	—	—	—	16.5	20	20	17	92	17	20	20	17	93
												10646	6	1	7.2	16.8	20	20	15	92	17.4	20	20	16	93
												11146	11.5	1	13.8	25.1	30	30	23	92	25.7	30	30	24	93
												11446	14	1	16.8	28.8	30	30	27	92	29.4	30	30	27	93
	575-3-60	5.1	39.5	8	—	—	—	1	3.2	0.4	8.6	None	—	—	—	12.3	15	15	13	70	12.7	15	15	13	71
												11458	13.8	1	13.3	22.8	25	25	21	70	23.3	25	25	21	71
												12358	23	1	22.1	33.8	35	35	31	70	34.3	35	35	32	71

Table 169: ZY04 to 12 high indoor blower - with powered convenience outlet (without VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	10.2	1.1	8.6	None	—	—	—	40.5	45	50	42	212	42.7	45	50	44	217
												10725	4.9	1	13.6	40.5	45	50	42	212	42.7	45	50	44	217
												11725	12	1	33.3	59.8	60	60	55	212	62.5	70	70	58	217
												12525	18.6	1	51.6	82.6	90	90	76	212	85.4	90	90	79	217
	230-3-60	17.6	136	27	—	—	—	2.3	10.2	1	8.6	None	—	—	—	41.1	45	50	42	219	43.1	45	60	45	224
												10725	6.5	1	15.6	41.1	45	50	42	219	43.1	45	60	45	224
												11725	16	1	38.5	66.3	70	70	61	219	68.8	70	70	63	224
												12525	24.8	1	59.7	92.8	100	100	85	219	95.3	100	100	88	224
	460-3-60	8.5	66.1	13	—	—	—	1.3	4.8	0.5	8.6	None	—	—	—	20.2	25	25	21	109	21.2	25	25	22	111
												10746	6	1	7.2	20.2	25	25	16	109	21.2	25	25	17	111
												11746	16.5	1	19.8	33.4	35	35	31	109	34.7	35	35	32	111
												12646	25.5	1	30.7	47.1	50	50	43	109	48.3	50	50	44	111
	575-3-60	6.3	55.3	10	—	—	—	1	3.4	0.4	8.6	None	—	—	—	15	20	20	15	89	15.8	20	20	16	91
												11758	17	1	16.4	26.9	30	30	25	89	27.9	30	30	26	91
												12658	25.7	1	24.7	37.3	40	40	34	89	38.3	40	40	35	91

1 Minimum Circuit Ampacity.
2 Dual Element, Time Delay Type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 170: ZY04 to 12 high indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
A7 (6)	208-3-60	17.6	136	27	—	—	—	2	9.9	1.1	8.6	None	—	—	—	40.2	45	50	41	222	42.4	45	50	44	227
												10725	4.9	1	13.6	40.2	45	50	41	222	42.4	45	50	44	227
												11725	12	1	33.3	59.4	60	60	55	222	62.1	70	70	57	227
												12525	18.6	1	51.6	82.3	90	90	76	222	85	90	90	78	227
	230-3-60	17.6	136	27	—	—	—	2.3	9.4	1	8.6	None	—	—	—	40.3	45	50	41	231	42.3	45	50	44	235
												10725	6.5	1	15.6	40.3	45	50	41	231	42.3	45	50	44	235
												11725	16	1	38.5	65.3	70	70	60	231	67.8	70	70	62	235
												12525	24.8	1	59.7	91.8	100	100	84	231	94.3	100	100	87	235
	460-3-60	8.5	66.1	13	—	—	—	1.3	4.7	0.5	8.6	None	—	—	—	20.1	25	25	21	114	21.1	25	25	22	117
												10746	6	1	7.2	20.1	25	25	16	114	21.1	25	25	17	117
												11746	16.5	1	19.8	33.3	35	35	31	114	34.6	35	35	32	117
												12646	25.5	1	30.7	46.9	50	50	43	114	48.2	50	50	44	117
	575-3-60	6.3	55.3	10	—	—	—	1	4.3	0.4	8.6	None	—	—	—	15.9	20	20	16	102	16.7	20	20	17	103
												11758	17	1	16.4	28	30	30	26	102	29	30	30	27	103
												12658	25.7	1	24.7	38.4	40	40	35	102	39.4	40	40	36	103
08 (7.5)	208-3-60	12.8	120.4	20	12.8	120.4	20	2	9.9	1.1	8.6	None	—	—	—	47	50	50	50	326	49.2	50	60	53	331
												11725	12	1	33.3	59.4	60	60	55	326	62.1	70	70	57	331
												12525	18.6	1	51.6	82.3	90	90	76	326	85	90	90	78	331
												13225	24	1	66.6	101	110	110	93	326	103.8	110	110	95	331
												14225	31.8	2	88.3	128.1	150	150	118	326	130.9	150	150	120	331
	230-3-60	12.8	120.4	20	12.8	120.4	20	2.3	9.4	1	8.6	None	—	—	—	47.1	50	50	50	336	49.1	50	60	53	340
												11725	16	1	38.5	65.3	70	70	60	336	67.8	70	70	62	340
												12525	24.8	1	59.7	91.8	100	100	84	336	94.3	100	100	87	340
												13225	32	1	77	113.4	125	125	104	336	115.9	125	125	107	340
												14225	42.4	2	102	144.6	150	150	133	336	147.1	150	150	135	340
	460-3-60	6.4	55.1	10	6.4	55.1	10	1.3	4.7	0.5	8.6	None	—	—	—	23.9	25	30	26	158	24.9	25	30	27	161
												11746	16.5	1	19.8	33.3	35	35	31	158	34.6	35	35	32	161
												12846	27.8	1	33.4	50.3	60	60	46	158	51.6	60	60	47	161
												13346	33	1	39.7	58.2	60	60	54	158	59.4	60	60	55	161
												14246	41.7	2	50.2	71.3	80	80	66	158	72.6	80	80	67	161
	575-3-60	5.4	41	9	5.4	41	9	1	4.3	0.4	8.6	None	—	—	—	20.2	25	25	22	128	21	25	25	23	130
												11758	17	1	16.4	28	30	30	26	128	29	30	30	27	130
												13458	34	1	32.7	48.4	50	50	45	128	49.4	50	50	45	130
09 (8.5)	208-3-60	13.7	83.1	21	13.7	83.1	21	2	9.9	1.1	8.6	None	—	—	—	49	50	60	52	252	51.2	60	60	55	257
												11725	12	1	33.3	59.4	60	60	55	252	62.1	70	70	57	257
												12525	18.6	1	51.6	82.3	90	90	76	252	85	90	90	78	257
												13225	24	1	66.6	101	110	110	93	252	103.8	110	110	95	257
												14225	31.8	2	88.3	128.1	150	150	118	252	130.9	150	150	120	257
	230-3-60	13.7	83.1	21	13.7	83.1	21	2.3	9.4	1	8.6	None	—	—	—	49.1	50	60	53	261	51.1	60	60	55	266
												11725	16	1	38.5	65.3	70	70	60	261	67.8	70	70	62	266
												12525	24.8	1	59.7	91.8	100	100	84	261	94.3	100	100	87	266
												13225	32	1	77	113.4	125	125	104	261	115.9	125	125	107	266
												14225	42.4	2	102	144.6	150	150	133	261	147.1	150	150	135	266
	460-3-60	6.2	41	10	6.2	41	10	1.3	4.7	0.5	8.6	None	—	—	—	23.5	25	25	25	130	24.5	25	25	26	132
												11746	16.5	1	19.8	33.3	35	35	31	130	34.6	35	35	32	132
												12846	27.8	1	33.4	50.3	60	60	46	130	51.6	60	60	47	132
												13346	33	1	39.7	58.2	60	60	54	130	59.4	60	60	55	132
												14246	41.7	2	50.2	71.3	80	80	66	130	72.6	80	80	67	132
	575-3-60	4.8	33	8	4.8	33	8	1	4.3	0.4	8.6	None	—	—	—	18.8	20	20	20	112	19.6	20	20	21	114
												11758	17	1	16.4	28	30	30	26	112	29	30	30	27	114
												13458	34	1	32.7	48.4	50	50	45	112	49.4	50	50	45	114

Table 170: ZY04 to 12 high indoor blower - with powered convenience outlet (with VFD)

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	15.4	155	24	15.4	155	24	5.8	13.5	1.1	8.6	None	—	—	—	58.3	60	70	63	439	60.5	70	70	65	444
												11725	12	1	33.3	63.9	70	70	63	439	66.6	70	70	65	444
												12525	18.6	1	51.6	86.8	90	90	80	439	89.5	90	90	82	444
												13225	24	1	66.6	105.5	110	110	97	439	108.3	110	110	100	444
												14225	31.8	2	88.3	132.6	150	150	122	439	135.4	150	150	125	444
	230-3-60	15.4	155	24	15.4	155	24	5.2	13.4	1	8.6	None	—	—	—	57.6	60	70	62	435	59.6	60	70	64	440
												11725	16	1	38.5	70.3	80	80	65	435	72.8	80	80	67	440
												12525	24.8	1	59.7	96.8	100	100	89	435	99.3	100	100	91	440
												13225	32	1	77	118.4	125	125	109	435	120.9	125	125	111	440
												14225	42.4	2	102	149.6	150	150	138	435	152.1	175	175	140	440
	460-3-60	7.1	62	11	7.1	62	11	2.9	6.7	0.5	8.6	None	—	—	—	27.8	30	30	30	188	28.8	30	30	31	190
												11746	16.5	1	19.8	35.8	40	40	33	188	37.1	40	40	34	190
												12846	27.8	1	33.4	52.8	60	60	49	188	54.1	60	60	50	190
												13346	33	1	39.7	60.7	70	70	56	188	61.9	70	70	57	190
												14246	41.7	2	50.2	73.8	80	80	68	188	75.1	80	80	69	190
	575-3-60	6	47.8	9	6	47.8	9	2.2	5.4	0.4	8.6	None	—	—	—	22.8	25	25	24	149	23.6	25	25	25	150
												11758	17	1	16.4	29.4	30	30	27	149	30.4	35	35	28	150
												13458	34	1	32.7	49.8	50	50	46	149	50.8	60	60	47	150

1 Minimum Circuit Ampacity.
2 Dual Element, Time Delay Type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is correctly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL04 to 06 standard indoor blowers - without powered convenience outlet

Table 171: ZL04 to 06 standard static indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/power exh (amps)	Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	14.1	84.2	22				2.8	6.6	1.5		None	—	—	—	27	30	40	27	86	28.5	30	40	29	90
												10625	4.9	1	23.6	37.8	40	40	35	86	39.6	40	40	36	90
												11125	7.9	1	38	55.8	60	60	51	86	57.6	60	60	53	90
	230-1-60	14.1	84.2	22				2.8	6	1.3		None	—	—	—	26.4	30	40	26	86	27.7	30	40	28	89
												10625	6.5	1	27.1	41.4	45	45	38	86	43	45	45	40	89
												11125	10.5	1	43.8	62.3	70	70	57	86	63.9	70	70	59	89
	208-3-60	9.6	73.8	15				2.8	6.6	1.1		None	—	—	—	21.4	25	30	22	76	22.5	25	30	23	78
												10625	4.9	1	13.6	25.3	30	30	23	76	26.6	30	30	24	78
												11125	7.9	1	21.9	35.6	40	40	33	76	37	40	40	34	78
												11625	12	1	33.3	49.9	50	50	46	76	51.3	60	60	47	78
	230-3-60	9.6	73.8	15				2.8	6	1		None	—	—	—	20.8	25	30	21	76	21.8	25	30	22	78
												10625	6.5	1	15.6	27	30	30	25	76	28.3	30	30	26	78
												11125	10.5	1	25.3	39.1	40	40	36	76	40.4	45	45	37	78
												11625	16	1	38.5	55.6	60	60	51	76	56.9	60	60	52	78
	460-3-60	5.1	37	8				1.6	3.2	0.5		None	—	—	—	11.2	15	15	11	39	11.7	15	15	12	40
												10646	6	1	7.2	13	15	15	12	39	13.6	15	15	13	40
												11146	11.5	1	13.8	21.3	25	25	20	39	21.9	25	25	20	40
												11446	14	1	16.8	25	25	25	23	39	25.6	30	30	24	40
	575-3-60	3.2	26	5				2.8	6	0.4		None	—	—	—	9.2	15	15	10	27	9.6	15	15	10	28
												11058	9.2	1	8.9	14.1	15	15	13	27	14.6	15	15	13	28
												11458	13.8	1	13.3	19.6	20	20	18	27	20.1	25	25	19	28
05 (4)	208-3-60	14	83.1	22				2.8	8.4	1.1		None	—	—	—	28.7	30	40	29	85	29.8	30	40	30	88
												10625	4.9	1	13.6	28.7	30	40	29	85	29.8	30	40	30	88
												11125	7.9	1	21.9	37.9	40	40	35	85	39.3	40	40	36	88
												11625	12	1	33.3	52.1	60	60	48	85	53.5	60	60	49	88
	230-3-60	14	83.1	22				2.8	7.6	1		None	—	—	—	27.9	30	40	28	85	28.9	30	40	29	87
												10625	6.5	1	15.6	29	30	40	28	85	30.3	35	40	29	87
												11125	10.5	1	25.3	41.1	45	45	38	85	42.4	45	45	39	87
												11625	16	1	38.5	57.6	60	60	53	85	58.9	60	60	54	87
	460-3-60	6.4	41	10				1.6	4	0.5		None	—	—	—	13.6	15	20	14	43	14.1	15	20	14	44
												10646	6	1	7.2	14	15	20	13	43	14.6	15	20	13	44
												11146	11.5	1	13.8	22.3	25	25	20	43	22.9	25	25	21	44
												11446	14	1	16.8	26	30	30	24	43	26.6	30	30	24	44
	575-3-60	4.6	33	7				2.8	7.6	0.4		None	—	—	—	11.6	15	15	12	34	12	15	15	12	35
												11058	9.2	1	8.9	14.9	15	15	14	34	15.4	20	20	14	35
												11458	13.8	1	13.3	20.4	25	25	19	34	20.9	25	25	19	35

Table 171: ZL04 to 06 standard static indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/power exh (amps)	Min fuse[2] / breaker[3] size w/ power exh (amps)	Max fuse[2] / breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-3-60	16.2	110	25				2.8	8.4	1.1		None	—	—	—	31.5	35	45	32	112	32.6	35	45	33	115
												10625	4.9	1	13.6	31.5	35	45	32	112	32.6	35	45	33	115
												11125	7.9	1	21.9	37.9	40	45	35	112	39.3	40	45	36	115
												11625	12	1	33.3	52.1	60	60	48	112	53.5	60	60	49	115
	230-3-60	16.2	110	25				2.8	7.6	1		None	—	—	—	30.7	35	45	31	112	31.7	35	45	32	114
												10625	6.5	1	15.6	30.7	35	45	31	112	31.7	35	45	32	114
												11125	10.5	1	25.3	41.1	45	45	38	112	42.4	45	45	39	114
												11625	16	1	38.5	57.6	60	60	53	112	58.9	60	60	54	114
	460-3-60	7.6	52	12				1.6	4	0.5		None	—	—	—	15.1	20	20	15	54	15.6	20	20	16	55
												10646	6	1	7.2	15.1	20	20	13	54	15.6	20	20	13	55
												11146	11.5	1	13.8	22.3	25	25	20	54	22.9	25	25	21	55
												11446	14	1	16.8	26	30	30	24	54	26.6	30	30	24	55
	575-3-60	5.1	43.8	8				2.8	7.6	0.4		None	—	—	—	12.2	15	15	13	45	12.6	15	15	13	46
												11458	13.8	1	13.3	20.4	25	25	19	45	20.9	25	25	19	46
												12358	23	1	22.1	31.4	35	35	29	45	31.9	35	35	29	46

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL04 to 06 standard indoor blower

Table 172: ZL04 to 06 standard indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2] / breaker [3]size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker [3]size w/ pwr exh (amps)	Max fuse[2]/ breaker [3]size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	14.1	84.2	22				2.8	6.6	1.5	8.6	None	—	—	—	31.3	35	45	32	91	32.8	35	45	34	94
												10625	4.9	1	23.6	43.1	45	45	40	91	45	45	45	41	94
												11125	7.9	1	38	61.1	70	70	56	91	63	70	70	58	94
	230-1-60	14.1	84.2	22				2.8	6	1.3	8.6	None	—	—	—	30.7	35	40	31	91	32	35	45	33	93
												10625	6.5	1	27.1	46.8	50	50	43	91	48.4	50	50	45	93
												11125	10.5	1	43.8	67.6	70	70	62	91	69.3	70	70	64	93
	208-3-60	9.6	73.8	15				2.8	6.6	1.1	8.6	None	—	—	—	25.7	30	35	27	80	26.8	30	35	28	83
												10625	4.9	1	13.6	30.6	35	35	28	80	32	35	35	29	83
												11125	7.9	1	21.9	41	45	45	38	80	42.4	45	45	39	83
												11625	12	1	33.3	55.3	60	60	51	80	56.6	60	60	52	83
	230-3-60	9.6	73.8	15				2.8	6	1	8.6	None	—	—	—	25.1	30	30	26	80	26.1	30	35	27	82
												10625	6.5	1	15.6	32.4	35	35	30	80	33.6	35	35	31	82
												11125	10.5	1	25.3	44.5	45	45	41	80	45.8	50	50	42	82
												11625	16	1	38.5	61	70	70	56	80	62.3	70	70	57	82
	460-3-60	5.1	37	8				1.6	3.2	0.5	8.6	None	—	—	—	13.4	15	15	14	41	13.9	15	15	14	42
												10646	6	1	7.2	15.7	20	20	14	41	16.3	20	20	15	42
												11146	11.5	1	13.8	23.9	25	25	22	41	24.6	25	25	23	42
												11446	14	1	16.8	27.7	30	30	25	41	28.3	30	30	26	42
	575-3-60	3.2	26	5				2.8	6	0.4	8.6	None	—	—	—	10.9	15	15	12	29	11.3	15	15	12	29
												11058	9.2	1	8.9	16.3	20	20	15	29	16.8	20	20	15	29
												11458	13.8	1	13.3	21.8	25	25	20	29	22.3	25	25	20	29
05 (4)	208-3-60	14	83.1	22				2.8	8.4	1.1	8.6	None	—	—	—	33	35	45	34	89	34.1	35	45	35	92
												10625	4.9	1	13.6	33	35	45	34	89	34.3	35	45	35	92
												11125	7.9	1	21.9	43.3	45	45	40	89	44.6	45	45	41	92
												11625	12	1	33.3	57.5	60	60	53	89	58.9	60	60	54	92
	230-3-60	14	83.1	22				2.8	7.6	1	8.6	None	—	—	—	32.2	35	45	33	89	33.2	35	45	34	92
												10625	6.5	1	15.6	34.4	35	45	33	89	35.6	40	45	34	92
												11125	10.5	1	25.3	46.5	50	50	43	89	47.8	50	50	44	92
												11625	16	1	38.5	63	70	70	58	89	64.3	70	70	59	92
	460-3-60	6.4	41	10				1.6	4	0.5	8.6	None	—	—	—	15.8	20	20	16	45	16.3	20	20	17	46
												10646	6	1	7.2	16.7	20	20	15	45	17.3	20	20	16	46
												11146	11.5	1	13.8	24.9	25	25	23	45	25.6	30	30	24	46
												11446	14	1	16.8	28.7	30	30	26	45	29.3	30	30	27	46
	575-3-60	4.6	33	7				2.8	7.6	0.4	8.6	None	—	—	—	13.4	15	15	14	36	13.8	15	15	14	36
												11058	9.2	1	8.9	17.1	20	20	16	36	17.6	20	20	16	36
												11458	13.8	1	13.3	22.6	25	25	21	36	23.1	25	25	21	36

Table 172: ZL04 to 06 standard indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-3-60	16.2	110	25				2.8	8.4	1.1	8.6	None	—	—	—	35.8	40	50	36	116	36.9	40	50	38	119
												10625	4.9	1	13.6	35.8	40	50	36	116	36.9	40	50	38	119
												11125	7.9	1	21.9	43.3	45	50	40	116	44.6	45	50	41	119
												11625	12	1	33.3	57.5	60	60	53	116	58.9	60	60	54	119
	230-3-60	16.2	110	25				2.8	7.6	1	8.6	None	—	—	—	35	35	50	36	116	36	40	50	37	119
												10625	6.5	1	15.6	35	35	50	36	116	36	40	50	37	119
												11125	10.5	1	25.3	46.5	50	50	43	116	47.8	50	50	44	119
												11625	16	1	38.5	63	70	70	58	116	64.3	70	70	59	119
	460-3-60	7.6	52	12				1.6	4	0.5	8.6	None	—	—	—	17.3	20	20	18	56	17.8	20	20	18	57
												10646	6	1	7.2	17.3	20	20	15	56	17.8	20	20	16	57
												11146	11.5	1	13.8	24.9	25	25	23	56	25.6	30	30	24	57
												11446	14	1	16.8	28.7	30	30	26	56	29.3	30	30	27	57
	575-3-60	5.1	43.8	8				2.8	7.6	0.4	8.6	None	—	—	—	14	15	15	15	46	14.4	15	15	15	47
												11458	13.8	1	13.3	22.6	25	25	21	46	23.1	25	25	21	47
												12358	23	1	22.1	33.6	35	35	31	46	34.1	35	35	31	47

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 173: ZL04 to 06 standard static indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				[1]MCA[1] (amps)	[2, 3]Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	[4]Min disconnect[4] rating		MCA[1] w/power exh (amps)	Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	14.1	84.2	22				2.8	6.6	1.5		None	—	—	—	27	30	40	27	86	28.5	30	40	29	90
												10625	4.9	1	23.6	37.8	40	40	35	86	39.6	40	40	36	90
												11125	7.9	1	38	55.8	60	60	51	86	57.6	60	60	53	90
	230-1-60	14.1	84.2	22				2.8	6	1.3		None	—	—	—	26.4	30	40	26	86	27.7	30	40	28	89
												10625	6.5	1	27.1	41.4	45	45	38	86	43	45	45	40	89
												11125	10.5	1	43.8	62.3	70	70	57	86	63.9	70	70	59	89
	208-3-60	9.6	73.8	15				2.8	6.6	1.1		None	—	—	—	21.4	25	30	22	76	22.5	25	30	23	78
												10625	4.9	1	13.6	25.3	30	30	23	76	26.6	30	30	24	78
												11125	7.9	1	21.9	35.6	40	40	33	76	37	40	40	34	78
												11625	12	1	33.3	49.9	50	50	46	76	51.3	60	60	47	78
	230-3-60	9.6	73.8	15				2.8	6	1		None	—	—	—	20.8	25	30	21	76	21.8	25	30	22	78
												10625	6.5	1	15.6	27	30	30	25	76	28.3	30	30	26	78
												11125	10.5	1	25.3	39.1	40	40	36	76	40.4	45	45	37	78
												11625	16	1	38.5	55.6	60	60	51	76	56.9	60	60	52	78
	460-3-60	5.1	37	8				1.6	3.2	0.5		None	—	—	—	11.2	15	15	11	39	11.7	15	15	12	40
												10646	6	1	7.2	13	15	15	12	39	13.6	15	15	13	40
												11146	11.5	1	13.8	21.3	25	25	20	39	21.9	25	25	20	40
												11446	14	1	16.8	25	25	25	23	39	25.6	30	30	24	40
	575-3-60	3.2	26	5				2.8	6	0.4		None	—	—	—	9.2	15	15	10	27	9.6	15	15	10	28
												11058	9.2	1	8.9	14.1	15	15	13	27	14.6	15	15	13	28
												11458	13.8	1	13.3	19.6	20	20	18	27	20.1	25	25	19	28
05 (4)	208-3-60	14	83.1	22				2.8	8.4	1.1		None	—	—	—	28.7	30	40	29	85	29.8	30	40	30	88
												10625	4.9	1	13.6	28.7	30	40	29	85	29.8	30	40	30	88
												11125	7.9	1	21.9	37.9	40	40	35	85	39.3	40	40	36	88
												11625	12	1	33.3	52.1	60	60	48	85	53.5	60	60	49	88
	230-3-60	14	83.1	22				2.8	7.6	1		None	—	—	—	27.9	30	40	28	85	28.9	30	40	29	87
												10625	6.5	1	15.6	29	30	40	28	85	30.3	35	40	29	87
												11125	10.5	1	25.3	41.1	45	45	38	85	42.4	45	45	39	87
												11625	16	1	38.5	57.6	60	60	53	85	58.9	60	60	54	87
	460-3-60	6.4	41	10				1.6	4	0.5		None	—	—	—	13.6	15	20	14	43	14.1	15	20	14	44
												10646	6	1	7.2	14	15	20	13	43	14.6	15	20	13	44
												11146	11.5	1	13.8	22.3	25	25	20	43	22.9	25	25	21	44
												11446	14	1	16.8	26	30	30	24	43	26.6	30	30	24	44
	575-3-60	4.6	33	7				2.8	7.6	0.4		None	—	—	—	11.6	15	15	12	34	12	15	15	12	35
												11058	9.2	1	8.9	14.9	15	15	14	34	15.4	20	20	14	35
												11458	13.8	1	13.3	20.4	25	25	19	34	20.9	25	25	19	35

Table 173: ZL04 to 06 standard static indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				[1]MCA[1] (amps)	[2, 3]Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	[4]Min disconnect[4] rating		MCA[1] w/power exh (amps)	Min fuse[2] / breaker[3] size w/ power exh (amps)	Max fuse[2] / breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-3-60	16.2	110	25				2.8	8.4	1.1		None	—	—	—	31.5	35	45	32	112	32.6	35	45	33	115
												10625	4.9	1	13.6	31.5	35	45	32	112	32.6	35	45	33	115
												11125	7.9	1	21.9	37.9	40	45	35	112	39.3	40	45	36	115
												11625	12	1	33.3	52.1	60	60	48	112	53.5	60	60	49	115
	230-3-60	16.2	110	25				2.8	7.6	1		None	—	—	—	30.7	35	45	31	112	31.7	35	45	32	114
												10625	6.5	1	15.6	30.7	35	45	31	112	31.7	35	45	32	114
												11125	10.5	1	25.3	41.1	45	45	38	112	42.4	45	45	39	114
												11625	16	1	38.5	57.6	60	60	53	112	58.9	60	60	54	114
	460-3-60	7.6	52	12				1.6	4	0.5		None	—	—	—	15.1	20	20	15	54	15.6	20	20	16	55
												10646	6	1	7.2	15.1	20	20	13	54	15.6	20	20	13	55
												11146	11.5	1	13.8	22.3	25	25	20	54	22.9	25	25	21	55
												11446	14	1	16.8	26	30	30	24	54	26.6	30	30	24	55
	575-3-60	5.1	43.8	8				2.8	7.6	0.4		None	—	—	—	12.2	15	15	13	45	12.6	15	15	13	46
												11458	13.8	1	13.3	20.4	25	25	19	45	20.9	25	25	19	46
												12358	23	1	22.1	31.4	35	35	29	45	31.9	35	35	29	46

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL04 to 06 medium indoor blower - without powered convenience outlet

Table 174: ZL04 to 06 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse [2]/breaker[3]size (amps)	Max fuse/ breaker size (amps)	Min disconnect[4] rating		MCA[1] w/power Exh (Amps)	Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-1-60	14.1	84.2	22				2.8	7	1.5		None	—	—	—	27.4	30	40	27	144	28.9	30	40	29	148
												10625	4.9	1	23.6	38.3	40	40	35	144	40.1	45	45	37	148
												11125	7.9	1	38	56.3	60	60	52	144	58.1	60	60	53	148
	230-1-60	14.1	84.2	22				2.8	7.2	1.3		None	—	—	—	27.6	30	40	28	146	28.9	30	40	29	149
												10625	6.5	1	27.1	42.9	45	45	39	146	44.5	45	45	41	149
												11125	10.5	1	43.8	63.8	70	70	59	146	65.4	70	70	60	149
	208-3-60	9.6	73.8	15				2.8	7	1.1		None	—	—	—	21.8	25	30	22	134	22.9	25	30	24	136
												10625	4.9	1	13.6	25.8	30	30	24	134	27.1	30	30	25	136
												11125	7.9	1	21.9	36.1	40	40	33	134	37.5	40	40	35	136
												11625	12	1	33.3	50.4	60	60	46	134	51.8	60	60	48	136
	230-3-60	9.6	73.8	15				2.8	7.2	1		None	—	—	—	22	25	30	23	136	23	25	30	24	138
												10625	6.5	1	15.6	28.5	30	30	26	136	29.8	30	30	27	138
												11125	10.5	1	25.3	40.6	45	45	37	136	41.9	45	45	39	138
												11625	16	1	38.5	57.1	60	60	53	136	58.4	60	60	54	138
	460-3-60	5.1	37	8				1.6	3.6	0.5		None	—	—	—	11.6	15	15	12	68	12.1	15	15	12	69
												10646	6	1	7.2	13.5	15	15	12	68	14.1	15	15	13	69
												11146	11.5	1	13.8	21.8	25	25	20	68	22.4	25	25	21	69
												11446	14	1	16.8	25.5	30	30	23	68	26.1	30	30	24	69
	575-3-60	3.2	26	5				2.8	2.5	0.4		None	—	—	—	9.3	15	15	10	44	9.7	15	15	10	45
												11058	9.2	1	8.9	14.3	15	15	13	44	14.8	15	15	14	45
												11458	13.8	1	13.3	19.8	20	20	18	44	20.3	25	25	19	45
05 (4)	208-3-60	14	83.1	22				2.8	7	1.1		None	—	—	—	27.3	30	40	27	143	28.4	30	40	29	146
												10625	4.9	1	13.6	27.3	30	40	27	143	28.4	30	40	29	146
												11125	7.9	1	21.9	36.1	40	40	33	143	37.5	40	40	35	146
												11625	12	1	33.3	50.4	60	60	46	143	51.8	60	60	48	146
	230-3-60	14	83.1	22				2.8	7.2	1		None	—	—	—	27.5	30	40	28	145	28.5	30	40	29	147
												10625	6.5	1	15.6	28.5	30	40	28	145	29.8	30	40	29	147
												11125	10.5	1	25.3	40.6	45	45	37	145	41.9	45	45	39	147
												11625	16	1	38.5	57.1	60	60	53	145	58.4	60	60	54	147
	460-3-60	6.4	41	10				1.6	3.6	0.5		None	—	—	—	13.2	15	15	13	72	13.7	15	15	14	73
												10646	6	1	7.2	13.5	15	15	12	72	14.1	15	15	13	73
												11146	11.5	1	13.8	21.8	25	25	20	72	22.4	25	25	21	73
												11446	14	1	16.8	25.5	30	30	23	72	26.1	30	30	24	73
	575-3-60	4.6	33	7				2.8	2.5	0.4		None	—	—	—	11.1	15	15	11	51	11.5	15	15	12	52
												11058	9.2	1	8.9	14.3	15	15	13	51	14.8	15	15	14	52
												11458	13.8	1	13.3	19.8	20	20	18	51	20.3	25	25	19	52

Table 174: ZL04 to 06 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse [2]/breaker[3] size (amps)	Max fuse/ breaker size (amps)	Min disconnect[4] rating		MCA[1] w/power Exh (Amps)	Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-3-60	16.2	110	25				2.8	7	1.1		None	—	—	—	30.1	35	45	30	170	31.2	35	45	31	173
												10625	4.9	1	13.6	30.1	35	45	30	170	31.2	35	45	31	173
												11125	7.9	1	21.9	36.1	40	45	33	170	37.5	40	45	35	173
												11625	12	1	33.3	50.4	60	60	46	170	51.8	60	60	48	173
	230-3-60	16.2	110	25				2.8	7.2	1		None	—	—	—	30.3	35	45	30	172	31.3	35	45	31	174
												10625	6.5	1	15.6	30.3	35	45	30	172	31.3	35	45	31	174
												11125	10.5	1	25.3	40.6	45	45	37	172	41.9	45	45	39	174
												11625	16	1	38.5	57.1	60	60	53	172	58.4	60	60	54	174
	460-3-60	7.6	52	12				1.6	3.6	0.5		None	—	—	—	14.7	15	20	15	83	15.2	20	20	15	84
												10646	6	1	7.2	14.7	15	20	12	83	15.2	20	20	13	84
												11146	11.5	1	13.8	21.8	25	25	20	83	22.4	25	25	21	84
												11446	14	1	16.8	25.5	30	30	23	83	26.1	30	30	24	84
	575-3-60	5.1	43.8	8				2.8	2.5	0.4		None	—	—	—	11.7	15	15	12	62	12.1	15	15	12	62
												11458	13.8	1	13.3	19.8	20	20	18	62	20.3	25	25	19	62
												12358	23	1	22.1	30.8	35	35	28	62	31.3	35	35	29	62

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL04 to 06 medium indoor blower

Table 175: ZL04 to 06 medium indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[2] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/power exh (amps)	Min disconnect[4] rating/ power exh			
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA		Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[2] size w/ power exh (amps)	FLA	LRA
04 (3)	208-1-60	14.1	84.2	22				2.8	7	1.5	8.6	None	—	—	—	31.7	35	45	32	149	33.2	35	45	34	152
												10625	4.9	1	23.6	43.6	45	45	40	149	45.5	50	50	42	152
												11125	7.9	1	38	61.6	70	70	57	149	63.5	70	70	58	152
	230-1-60	14.1	84.2	22				2.8	7.2	1.3	8.6	None	—	—	—	31.9	35	45	33	150	33.2	35	45	34	153
												10625	6.5	1	27.1	48.3	50	50	44	150	49.9	50	50	46	153
												11125	10.5	1	43.8	69.1	70	70	64	150	70.8	80	80	65	153
	208-3-60	9.6	73.8	15				2.8	7	1.1	8.6	None	—	—	—	26.1	30	35	27	138	27.2	30	35	29	141
												10625	4.9	1	13.6	31.1	35	35	29	138	32.5	35	35	30	141
												11125	7.9	1	21.9	41.5	45	45	38	138	42.9	45	45	39	141
												11625	12	1	33.3	55.8	60	60	51	138	57.1	60	60	53	141
	230-3-60	9.6	73.8	15				2.8	7.2	1	8.6	None	—	—	—	26.3	30	35	27	140	27.3	30	35	29	142
												10625	6.5	1	15.6	33.9	35	35	31	140	35.1	40	40	32	142
												11125	10.5	1	25.3	46	50	50	42	140	47.3	50	50	43	142
												11625	16	1	38.5	62.5	70	70	58	140	63.8	70	70	59	142
	460-3-60	5.1	37	8				1.6	3.6	0.5	8.6	None	—	—	—	13.8	15	15	14	70	14.3	15	15	15	71
												10646	6	1	7.2	16.2	20	20	15	70	16.8	20	20	15	71
												11146	11.5	1	13.8	24.4	25	25	22	70	25.1	30	30	23	71
												11446	14	1	16.8	28.2	30	30	26	70	28.8	30	30	27	71
	575-3-60	3.2	26	5				2.8	2.5	0.4	8.6	None	—	—	—	11	15	15	12	45	11.4	15	15	12	46
												11058	9.2	1	8.9	16.4	20	20	15	45	16.9	20	20	16	46
												11458	13.8	1	13.3	21.9	25	25	20	45	22.4	25	25	21	46
05 (4)	208-3-60	14	83.1	22				2.8	7	1.1	8.6	None	—	—	—	31.6	35	45	32	148	32.7	35	45	34	150
												10625	4.9	1	13.6	31.6	35	45	32	148	32.7	35	45	34	150
												11125	7.9	1	21.9	41.5	45	45	38	148	42.9	45	45	39	150
												11625	12	1	33.3	55.8	60	60	51	148	57.1	60	60	53	150
	230-3-60	14	83.1	22				2.8	7.2	1	8.6	None	—	—	—	31.8	35	45	33	149	32.8	35	45	34	152
												10625	6.5	1	15.6	33.9	35	45	33	149	35.1	40	45	34	152
												11125	10.5	1	25.3	46	50	50	42	149	47.3	50	50	43	152
												11625	16	1	38.5	62.5	70	70	58	149	63.8	70	70	59	152
	460-3-60	6.4	41	10				1.6	3.6	0.5	8.6	None	—	—	—	15.4	20	20	16	74	15.9	20	20	16	75
												10646	6	1	7.2	16.2	20	20	15	74	16.8	20	20	15	75
												11146	11.5	1	13.8	24.4	25	25	22	74	25.1	30	30	23	75
												11446	14	1	16.8	28.2	30	30	26	74	28.8	30	30	27	75
	575-3-60	4.6	33	7				2.8	2.5	0.4	8.6	None	—	—	—	12.8	15	15	13	52	13.2	15	15	14	53
												11058	9.2	1	8.9	16.4	20	20	15	52	16.9	20	20	16	53
												11458	13.8	1	13.3	21.9	25	25	20	52	22.4	25	25	21	53

Table 175: ZL04 to 06 medium indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] /breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA [1] w/power exh (amps)	Min fuse[2] / breaker [3]size w/ power exh (amps)	Max fuse[2] / breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
06 (5)	208-3-60	16.2	110	25				2.8	7	1.1	8.6	None	—	—	—	34.4	35	50	35	174	35.5	40	50	36	177
												10625	4.9	1	13.6	34.4	35	50	35	174	35.5	40	50	36	177
												11125	7.9	1	21.9	41.5	45	50	38	174	42.9	45	50	39	177
												11625	12	1	33.3	55.8	60	60	51	174	57.1	60	60	53	177
	230-3-60	16.2	110	25				2.8	7.2	1	8.6	None	—	—	—	34.6	35	50	35	176	35.6	40	50	36	178
												10625	6.5	1	15.6	34.6	35	50	35	176	35.6	40	50	36	178
												11125	10.5	1	25.3	46	50	50	42	176	47.3	50	50	43	178
												11625	16	1	38.5	62.5	70	70	58	176	63.8	70	70	59	178
	460-3-60	7.6	52	12				1.6	3.6	0.5	8.6	None	—	—	—	16.9	20	20	17	85	17.4	20	20	18	86
												10646	6	1	7.2	16.9	20	20	15	85	17.4	20	20	15	86
												11146	11.5	1	13.8	24.4	25	25	22	85	25.1	30	30	23	86
												11446	14	1	16.8	28.2	30	30	26	85	28.8	30	30	27	86
	575-3-60	5.1	43.8	8				2.8	2.5	0.4	8.6	None	—	—	—	13.4	15	15	14	63	13.8	15	15	14	64
												11458	13.8	1	13.3	21.9	25	25	20	63	22.4	25	25	21	64
												12358	23	1	22.1	32.9	35	35	30	63	33.4	35	35	31	64

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 176: ZL04 to 06 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				[1]MCA[1] (amps)	[2, 3]Min fuse [2]/ breaker[3] size (amps) Max fuse/ breaker size (amps)	[4] Min disconnect[4] rating		MCA[1] w/power Exh (Amps)	Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps			FLA	LRA				FLA	LRA
04 (3)	208-1-60	14.1	84.2	22				2.8	7	1.5		None	—	—	—	27.4	30	40	27	144	28.9	30	40	29	148
												10625	4.9	1	23.6	38.3	40	40	35	144	40.1	45	45	37	148
												11125	7.9	1	38	56.3	60	60	52	144	58.1	60	60	53	148
	230-1-60	14.1	84.2	22				2.8	7.2	1.3		None	—	—	—	27.6	30	40	28	146	28.9	30	40	29	149
												10625	6.5	1	27.1	42.9	45	45	39	146	44.5	45	45	41	149
												11125	10.5	1	43.8	63.8	70	70	59	146	65.4	70	70	60	149
	208-3-60	9.6	73.8	15				2.8	7	1.1		None	—	—	—	21.8	25	30	22	134	22.9	25	30	24	136
												10625	4.9	1	13.6	25.8	30	30	24	134	27.1	30	30	25	136
												11125	7.9	1	21.9	36.1	40	40	33	134	37.5	40	40	35	136
												11625	12	1	33.3	50.4	60	60	46	134	51.8	60	60	48	136
	230-3-60	9.6	73.8	15				2.8	7.2	1		None	—	—	—	22	25	30	23	136	23	25	30	24	138
												10625	6.5	1	15.6	28.5	30	30	26	136	29.8	30	30	27	138
												11125	10.5	1	25.3	40.6	45	45	37	136	41.9	45	45	39	138
												11625	16	1	38.5	57.1	60	60	53	136	58.4	60	60	54	138
	460-3-60	5.1	37	8				1.6	3.6	0.5		None	—	—	—	11.6	15	15	12	68	12.1	15	15	12	69
												10646	6	1	7.2	13.5	15	15	12	68	14.1	15	15	13	69
												11146	11.5	1	13.8	21.8	25	25	20	68	22.4	25	25	21	69
												11446	14	1	16.8	25.5	30	30	23	68	26.1	30	30	24	69
	575-3-60	3.2	26	5				2.8	2.5	0.4		None	—	—	—	9.3	15	15	10	44	9.7	15	15	10	45
												11058	9.2	1	8.9	14.3	15	15	13	44	14.8	15	15	14	45
												11458	13.8	1	13.3	19.8	20	20	18	44	20.3	25	25	19	45
05 (4)	208-3-60	14	83.1	22				2.8	7	1.1		None	—	—	—	27.3	30	40	27	143	28.4	30	40	29	146
												10625	4.9	1	13.6	27.3	30	40	27	143	28.4	30	40	29	146
												11125	7.9	1	21.9	36.1	40	40	33	143	37.5	40	40	35	146
												11625	12	1	33.3	50.4	60	60	46	143	51.8	60	60	48	146
	230-3-60	14	83.1	22				2.8	7.2	1		None	—	—	—	27.5	30	40	28	145	28.5	30	40	29	147
												10625	6.5	1	15.6	28.5	30	40	28	145	29.8	30	40	29	147
												11125	10.5	1	25.3	40.6	45	45	37	145	41.9	45	45	39	147
												11625	16	1	38.5	57.1	60	60	53	145	58.4	60	60	54	147
	460-3-60	6.4	41	10				1.6	3.6	0.5		None	—	—	—	13.2	15	15	13	72	13.7	15	15	14	73
												10646	6	1	7.2	13.5	15	15	12	72	14.1	15	15	13	73
												11146	11.5	1	13.8	21.8	25	25	20	72	22.4	25	25	21	73
												11446	14	1	16.8	25.5	30	30	23	72	26.1	30	30	24	73
	575-3-60	4.6	33	7				2.8	2.5	0.4		None	—	—	—	11.1	15	15	11	51	11.5	15	15	12	52
												11058	9.2	1	8.9	14.3	15	15	13	51	14.8	15	15	14	52
												11458	13.8	1	13.3	19.8	20	20	18	51	20.3	25	25	19	52

Table 176: ZL04 to 06 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				[1]MCA[1] (amps)	[2, 3]Min fuse [2] / breaker[3] size (amps) Max fuse/ breaker size (amps)	[4] Min disconnect[4] rating		MCA[1] w/power Exh (Amps)	Min fuse[2] / breaker[3] size w/ power exh (amps)	Max fuse[2] / breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps			FLA	LRA				FLA	LRA
06 (5)	208-3-60	16.2	110	25				2.8	7	1.1		None	—	—	—	30.1	35	45	30	170	31.2	35	45	31	173
												10625	4.9	1	13.6	30.1	35	45	30	170	31.2	35	45	31	173
												11125	7.9	1	21.9	36.1	40	45	33	170	37.5	40	45	35	173
												11625	12	1	33.3	50.4	60	60	46	170	51.8	60	60	48	173
	230-3-60	16.2	110	25				2.8	7.2	1		None	—	—	—	30.3	35	45	30	172	31.3	35	45	31	174
												10625	6.5	1	15.6	30.3	35	45	30	172	31.3	35	45	31	174
												11125	10.5	1	25.3	40.6	45	45	37	172	41.9	45	45	39	174
												11625	16	1	38.5	57.1	60	60	53	172	58.4	60	60	54	174
	460-3-60	7.6	52	12				1.6	3.6	0.5		None	—	—	—	14.7	15	20	15	83	15.2	20	20	15	84
												10646	6	1	7.2	14.7	15	20	12	83	15.2	20	20	13	84
												11146	11.5	1	13.8	21.8	25	25	20	83	22.4	25	25	21	84
												11446	14	1	16.8	25.5	30	30	23	83	26.1	30	30	24	84
	575-3-60	5.1	43.8	8				2.8	2.5	0.4		None	—	—	—	11.7	15	15	12	62	12.1	15	15	12	62
												11458	13.8	1	13.3	19.8	20	20	18	62	20.3	25	25	19	62
												12358	23	1	22.1	30.8	35	35	28	62	31.3	35	35	29	62

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL04 to 06 high indoor blower - without powered convenience outlet

Table 177: ZL04 to 06 high indoor blower - without powered convenience outlet

Size (tons)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/ breaker[3]size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	9.6	73.8	15				2.8	7	1.1		None	—	—	—	21.8	25	30	22	134	22.9	25	30	24	136
												10625	4.9	1	13.6	25.8	30	30	24	134	27.1	30	30	25	136
												11125	7.9	1	21.9	36.1	40	40	33	134	37.5	40	40	35	136
												11625	12	1	33.3	50.4	60	60	46	134	51.8	60	60	48	136
	230-3-60	9.6	73.8	15				2.8	7.2	1		None	—	—	—	22	25	30	23	136	23	25	30	24	138
												10625	6.5	1	15.6	28.5	30	30	26	136	29.8	30	30	27	138
												11125	10.5	1	25.3	40.6	45	45	37	136	41.9	45	45	39	138
												11625	16	1	38.5	57.1	60	60	53	136	58.4	60	60	54	138
	460-3-60	5.1	37	8				1.6	3.6	0.5		None	—	—	—	11.6	15	15	12	68	12.1	15	15	12	69
												10646	6	1	7.2	13.5	15	15	12	68	14.1	15	15	13	69
												11146	11.5	1	13.8	21.8	25	25	20	68	22.4	25	25	21	69
												11446	14	1	16.8	25.5	30	30	23	68	26.1	30	30	24	69
	575-3-60	3.2	26	5				2.8	2.5	0.4		None	—	—	—	9.3	15	15	10	44	9.7	15	15	10	45
												11058	9.2	1	8.9	14.3	15	15	13	44	14.8	15	15	14	45
												11458	13.8	1	13.3	19.8	20	20	18	44	20.3	25	25	19	45
05 (4)	208-3-60	14	83.1	22				2.8	8.9	1.1		None	—	—	—	29.2	30	40	30	145	30.3	35	40	31	147
												10625	4.9	1	13.6	29.2	30	40	30	145	30.3	35	40	31	147
												11125	7.9	1	21.9	38.5	40	40	35	145	39.9	40	40	37	147
												11625	12	1	33.3	52.8	60	60	49	145	54.1	60	60	50	147
	230-3-60	14	83.1	22				2.8	8.2	1		None	—	—	—	28.5	30	40	29	152	29.5	30	40	30	154
												10625	6.5	1	15.6	29.8	30	40	29	152	31	35	40	30	154
												11125	10.5	1	25.3	41.9	45	45	39	152	43.1	45	45	40	154
												11625	16	1	38.5	58.4	60	60	54	152	59.6	60	60	55	154
	460-3-60	6.4	41	10				1.6	4.1	0.5		None	—	—	—	13.7	15	20	14	76	14.2	15	20	14	77
												10646	6	1	7.2	14.1	15	20	13	76	14.8	15	20	14	77
												11146	11.5	1	13.8	22.4	25	25	21	76	23	25	25	21	77
												11446	14	1	16.8	26.1	30	30	24	76	26.8	30	30	25	77
	575-3-60	4.6	33	7				2.8	3.2	0.4		None	—	—	—	11.8	15	15	12	59	12.2	15	15	13	60
												11058	9.2	1	8.9	15.1	20	20	14	59	15.6	20	20	14	60
												11458	13.8	1	13.3	20.6	25	25	19	59	21.1	25	25	19	60
06 (5)	208-3-60	16.2	110	25				2.8	8.9	1.1		None	—	—	—	32	35	45	32	172	33.1	35	45	33	174
												10625	4.9	1	13.6	32	35	45	32	172	33.1	35	45	33	174
												11125	7.9	1	21.9	38.5	40	45	35	172	39.9	40	45	37	174
												11625	12	1	33.3	52.8	60	60	49	172	54.1	60	60	50	174
	230-3-60	16.2	110	25				2.8	8.2	1		None	—	—	—	31.3	35	45	31	179	32.3	35	45	32	181
												10625	6.5	1	15.6	31.3	35	45	31	179	32.3	35	45	32	181
												11125	10.5	1	25.3	41.9	45	45	39	179	43.1	45	45	40	181
												11625	16	1	38.5	58.4	60	60	54	179	59.6	60	60	55	181
	460-3-60	7.6	52	12				1.6	4.1	0.5		None	—	—	—	15.2	20	20	15	87	15.7	20	20	16	88
												10646	6	1	7.2	15.2	20	20	13	87	15.7	20	20	14	88
												11146	11.5	1	13.8	22.4	25	25	21	87	23	25	25	21	88
												11446	14	1	16.8	26.1	30	30	24	87	26.8	30	30	25	88
	575-3-60	5.1	43.8	8				2.8	3.2	0.4		None	—	—	—	12.4	15	15	13	70	12.8	15	15	13	71
												11458	13.8	1	13.3	20.6	25	25	19	70	21.1	25	25	19	71
												12358	23	1	22.1	31.6	35	35	29	70	32.1	35	35	30	71

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.

3 HACR type per NEC.
4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL04 to 06 high indoor blower

Table 178: ZL 04 to 06 high indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				MCA [1] (amps)	Min fuse[2]/breaker [2]size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA [1] w/power exh (amps)	Min fuse[2]/ breaker[3] size w/ power exh (amps)	Max fuse[2]/ breaker[3] size w/ power exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
04 (3)	208-3-60	9.6	73.8	15				2.8	7	1.1	8.6	None	—	—	—	26.1	30	35	27	138	27.2	30	35	29	141
												10625	4.9	1	13.6	31.1	35	35	29	138	32.5	35	35	30	141
												11125	7.9	1	21.9	41.5	45	45	38	138	42.9	45	45	39	141
												11625	12	1	33.3	55.8	60	60	51	138	57.1	60	60	53	141
	230-3-60	9.6	73.8	15				2.8	7.2	1	8.6	None	—	—	—	26.3	30	35	27	140	27.3	30	35	29	142
												10625	6.5	1	15.6	33.9	35	35	31	140	35.1	40	40	32	142
												11125	10.5	1	25.3	46	50	50	42	140	47.3	50	50	43	142
												11625	16	1	38.5	62.5	70	70	58	140	63.8	70	70	59	142
	460-3-60	5.1	37	8				1.6	3.6	0.5	8.6	None	—	—	—	13.8	15	15	14	70	14.3	15	15	15	71
												10646	6	1	7.2	16.2	20	20	15	70	16.8	20	20	15	71
												11146	11.5	1	13.8	24.4	25	25	22	70	25.1	30	30	23	71
												11446	14	1	16.8	28.2	30	30	26	70	28.8	30	30	27	71
	575-3-60	3.2	26	5				2.8	2.5	0.4	8.6	None	—	—	—	11	15	15	12	45	11.4	15	15	12	46
												11058	9.2	1	8.9	16.4	20	20	15	45	16.9	20	20	16	46
												11458	13.8	1	13.3	21.9	25	25	20	45	22.4	25	25	21	46
05 (4)	208-3-60	14	83.1	22				2.8	8.9	1.1	8.6	None	—	—	—	33.5	35	45	35	149	34.6	35	45	36	152
												10625	4.9	1	13.6	33.5	35	45	35	149	34.9	35	45	36	152
												11125	7.9	1	21.9	43.9	45	45	40	149	45.3	50	50	42	152
												11625	12	1	33.3	58.1	60	60	53	149	59.5	60	60	55	152
	230-3-60	14	83.1	22				2.8	8.2	1	8.6	None	—	—	—	32.8	35	45	34	156	33.8	35	45	35	159
												10625	6.5	1	15.6	35.1	40	45	34	156	36.4	40	45	35	159
												11125	10.5	1	25.3	47.3	50	50	43	156	48.5	50	50	45	159
												11625	16	1	38.5	63.8	70	70	59	156	65	70	70	60	159
	460-3-60	6.4	41	10				1.6	4.1	0.5	8.6	None	—	—	—	15.9	20	20	16	78	16.4	20	20	17	79
												10646	6	1	7.2	16.8	20	20	15	78	17.4	20	20	16	79
												11146	11.5	1	13.8	25.1	30	30	23	78	25.7	30	30	24	79
												11446	14	1	16.8	28.8	30	30	27	78	29.4	30	30	27	79
	575-3-60	4.6	33	7				2.8	3.2	0.4	8.6	None	—	—	—	13.5	15	15	14	61	13.9	15	15	15	62
												11058	9.2	1	8.9	17.3	20	20	16	61	17.8	20	20	16	62
												11458	13.8	1	13.3	22.8	25	25	21	61	23.3	25	25	21	62
06 (5)	208-3-60	16.2	110	25				2.8	8.9	1.1	8.6	None	—	—	—	36.3	40	50	37	176	37.4	40	50	38	179
												10625	4.9	1	13.6	36.3	40	50	37	176	37.4	40	50	38	179
												11125	7.9	1	21.9	43.9	45	50	40	176	45.3	50	50	42	179
												11625	12	1	33.3	58.1	60	60	53	176	59.5	60	60	55	179
	230-3-60	16.2	110	25				2.8	8.2	1	8.6	None	—	—	—	35.6	40	50	36	183	36.6	40	50	37	186
												10625	6.5	1	15.6	35.6	40	50	36	183	36.6	40	50	37	186
												11125	10.5	1	25.3	47.3	50	50	43	183	48.5	50	50	45	186
												11625	16	1	38.5	63.8	70	70	59	183	65	70	70	60	186
	460-3-60	7.6	52	12				1.6	4.1	0.5	8.6	None	—	—	—	17.4	20	25	18	89	17.9	20	25	18	90
												10646	6	1	7.2	17.4	20	25	15	89	17.9	20	25	16	90
												11146	11.5	1	13.8	25.1	30	30	23	89	25.7	30	30	24	90
												11446	14	1	16.8	28.8	30	30	27	89	29.4	30	30	27	90
	575-3-60	5.1	43.8	8				2.8	3.2	0.4	8.6	None	—	—	—	14.1	15	15	15	72	14.5	15	15	15	73
												11458	13.8	1	13.3	22.8	25	25	21	72	23.3	25	25	21	73
												12358	23	1	22.1	33.8	35	35	31	72	34.3	35	35	32	73

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.

4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Table 179: ZL04 to 06 high indoor blower - without powered convenience outlet

Size (tons)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Power exh motor	Power conv outlet	Electric heat field installed kit 2EK045*				[1]MCA [1] (amps)	[2, 3]Min fuse[2]/ breaker[3] size (amps) Max fuse[2]/ breaker[3] size (amps)	[4] Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ power exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps			FLA	LRA				FLA	LRA
04 (3)	208-3-60	9.6	73.8	15				2.8	7	1.1		None	—	—	—	21.8	25	30	22	134	22.9	25	30	24	136
												10625	4.9	1	13.6	25.8	30	30	24	134	27.1	30	30	25	136
												11125	7.9	1	21.9	36.1	40	40	33	134	37.5	40	40	35	136
												11625	12	1	33.3	50.4	60	60	46	134	51.8	60	60	48	136
	230-3-60	9.6	73.8	15				2.8	7.2	1		None	—	—	—	22	25	30	23	136	23	25	30	24	138
												10625	6.5	1	15.6	28.5	30	30	26	136	29.8	30	30	27	138
												11125	10.5	1	25.3	40.6	45	45	37	136	41.9	45	45	39	138
												11625	16	1	38.5	57.1	60	60	53	136	58.4	60	60	54	138
	460-3-60	5.1	37	8				1.6	3.6	0.5		None	—	—	—	11.6	15	15	12	68	12.1	15	15	12	69
												10646	6	1	7.2	13.5	15	15	12	68	14.1	15	15	13	69
												11146	11.5	1	13.8	21.8	25	25	20	68	22.4	25	25	21	69
												11446	14	1	16.8	25.5	30	30	23	68	26.1	30	30	24	69
	575-3-60	3.2	26	5				2.8	2.5	0.4		None	—	—	—	9.3	15	15	10	44	9.7	15	15	10	45
												11058	9.2	1	8.9	14.3	15	15	13	44	14.8	15	15	14	45
												11458	13.8	1	13.3	19.8	20	20	18	44	20.3	25	25	19	45
05 (4)	208-3-60	14	83.1	22				2.8	8.9	1.1		None	—	—	—	29.2	30	40	30	145	30.3	35	40	31	147
												10625	4.9	1	13.6	29.2	30	40	30	145	30.3	35	40	31	147
												11125	7.9	1	21.9	38.5	40	40	35	145	39.9	40	40	37	147
												11625	12	1	33.3	52.8	60	60	49	145	54.1	60	60	50	147
	230-3-60	14	83.1	22				2.8	8.2	1		None	—	—	—	28.5	30	40	29	152	29.5	30	40	30	154
												10625	6.5	1	15.6	29.8	30	40	29	152	31	35	40	30	154
												11125	10.5	1	25.3	41.9	45	45	39	152	43.1	45	45	40	154
												11625	16	1	38.5	58.4	60	60	54	152	59.6	60	60	55	154
	460-3-60	6.4	41	10				1.6	4.1	0.5		None	—	—	—	13.7	15	20	14	76	14.2	15	20	14	77
												10646	6	1	7.2	14.1	15	20	13	76	14.8	15	20	14	77
												11146	11.5	1	13.8	22.4	25	25	21	76	23	25	25	21	77
												11446	14	1	16.8	26.1	30	30	24	76	26.8	30	30	25	77
	575-3-60	4.6	33	7				2.8	3.2	0.4		None	—	—	—	11.8	15	15	12	59	12.2	15	15	13	60
												11058	9.2	1	8.9	15.1	20	20	14	59	15.6	20	20	14	60
												11458	13.8	1	13.3	20.6	25	25	19	59	21.1	25	25	19	60
06 (5)	208-3-60	16.2	110	25				2.8	8.9	1.1		None	—	—	—	32	35	45	32	172	33.1	35	45	33	174
												10625	4.9	1	13.6	32	35	45	32	172	33.1	35	45	33	174
												11125	7.9	1	21.9	38.5	40	45	35	172	39.9	40	45	37	174
												11625	12	1	33.3	52.8	60	60	49	172	54.1	60	60	50	174
	230-3-60	16.2	110	25				2.8	8.2	1		None	—	—	—	31.3	35	45	31	179	32.3	35	45	32	181
												10625	6.5	1	15.6	31.3	35	45	31	179	32.3	35	45	32	181
												11125	10.5	1	25.3	41.9	45	45	39	179	43.1	45	45	40	181
												11625	16	1	38.5	58.4	60	60	54	179	59.6	60	60	55	181
	460-3-60	7.6	52	12				1.6	4.1	0.5		None	—	—	—	15.2	20	20	15	87	15.7	20	20	16	88
												10646	6	1	7.2	15.2	20	20	13	87	15.7	20	20	14	88
												11146	11.5	1	13.8	22.4	25	25	21	87	23	25	25	21	88
												11446	14	1	16.8	26.1	30	30	24	87	26.8	30	30	25	88
	575-3-60	5.1	43.8	8				2.8	3.2	0.4		None	—	—	—	12.4	15	15	13	70	12.8	15	15	13	71
												11458	13.8	1	13.3	20.6	25	25	19	70	21.1	25	25	19	71
												12358	23	1	22.1	31.6	35	35	29	70	32.1	35	35	30	71

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.

4 Non-fused disconnect, verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL08 to 14 static indoor blowers - without powered convenience outlet

Table 180: ZL08 to 14 standard static indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
08 (7.5)	208-3-60	14	83.1	22	13.5	88	21	2	7	1.1	—	None	—	—	—	42	45	50	44	240	44.2	45	50	47	245
												11725	12	1	33.3	50.4	60	60	46	240	53.1	60	60	49	245
												12525	18.6	1	51.6	73.3	80	80	67	240	76	80	80	70	245
												13225	24	1	66.6	92	100	100	85	240	94.8	100	100	87	245
												14225	31.8	2	88.3	119.1	125	125	110	240	121.9	125	125	112	245
	230-3-60	14	83.1	22	13.5	88	21	2.3	7.2	1	—	None	—	—	—	42.8	45	50	45	243	44.8	45	50	47	247
												11725	16	1	38.5	57.1	60	60	53	243	59.6	60	60	55	247
												12525	24.8	1	59.7	83.6	90	90	77	243	86.1	90	90	79	247
												13225	32	1	77	105.3	110	110	97	243	107.8	110	110	99	247
												14225	42.4	2	102	136.5	150	150	126	243	139	150	150	128	247
	460-3-60	6.4	41	10	6	44	9	1.3	3.6	0.5	—	None	—	—	—	20.2	25	25	21	122	21.2	25	25	23	124
												11746	16.5	1	19.8	29.3	30	30	27	122	30.5	35	35	28	124
												12846	27.8	1	33.4	46.3	50	50	43	122	47.5	50	50	44	124
												13346	33	1	39.7	54.1	60	60	50	122	55.4	60	60	51	124
												14246	41.7	2	50.2	67.3	70	70	62	122	68.5	70	70	63	124
	575-3-60	4.6	33	7	4.9	34	8	1	2.5	0.4	—	None	—	—	—	15.2	20	20	16	89	16	20	20	17	91
												11758	17	1	16.4	23.6	25	25	22	89	24.6	25	25	23	91
												13458	34	1	32.7	44	45	45	40	89	45	45	45	41	91
09 (8.5)	208-3-60	14	83.1	22	13.7	83.1	21	2	7	1.1	—	None	—	—	—	42.2	45	50	45	235	44.4	45	50	47	240
												11725	12	1	33.3	50.4	60	60	46	235	53.1	60	60	49	240
												12525	18.6	1	51.6	73.3	80	80	67	235	76	80	80	70	240
												13225	24	1	66.6	92	100	100	85	235	94.8	100	100	87	240
												14225	31.8	2	88.3	119.1	125	125	110	235	121.9	125	125	112	240
	230-3-60	14	83.1	22	13.7	83.1	21	2.3	7.2	1	—	None	—	—	—	43	45	50	45	238	45	45	50	48	242
												11725	16	1	38.5	57.1	60	60	53	238	59.6	60	60	55	242
												12525	24.8	1	59.7	83.6	90	90	77	238	86.1	90	90	79	242
												13225	32	1	77	105.3	110	110	97	238	107.8	110	110	99	242
												14225	42.4	2	102	136.5	150	150	126	238	139	150	150	128	242
	460-3-60	6.4	41	10	6.2	41	10	1.3	3.6	0.5	—	None	—	—	—	20.4	25	25	22	119	21.4	25	25	23	121
												11746	16.5	1	19.8	29.3	30	30	27	119	30.5	35	35	28	121
												12846	27.8	1	33.4	46.3	50	50	43	119	47.5	50	50	44	121
												13346	33	1	39.7	54.1	60	60	50	119	55.4	60	60	51	121
												14246	41.7	2	50.2	67.3	70	70	62	119	68.5	70	70	63	121
	575-3-60	4.6	33	7	4.8	33	8	1	2.5	0.4	—	None	—	—	—	15.1	20	20	16	88	15.9	20	20	17	90
												11758	17	1	16.4	23.6	25	25	22	88	24.6	25	25	23	90
												13458	34	1	32.7	44	45	45	40	88	45	45	45	41	90

Table 180: ZL08 to 14 standard static indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/ breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	16.5	110	26	16	110	25	5.8	7	1.1	—	None	—	—	—	49.4	50	60	52	302	51.6	60	60	55	307
												11725	12	1	33.3	50.4	60	60	52	302	53.1	60	60	55	307
												12525	18.6	1	51.6	73.3	80	80	67	302	76	80	80	70	307
												13225	24	1	66.6	92	100	100	85	302	94.8	100	100	87	307
												14225	31.8	2	88.3	119.1	125	125	110	302	121.9	125	125	112	307
	230-3-60	16.5	110	26	16	110	25	5.2	7.2	1	—	None	—	—	—	49	50	60	52	301	51	60	60	54	305
												11725	16	1	38.5	57.1	60	60	53	301	59.6	60	60	55	305
												12525	24.8	1	59.7	83.6	90	90	77	301	86.1	90	90	79	305
												13225	32	1	77	105.3	110	110	97	301	107.8	110	110	99	305
												14225	42.4	2	102	136.5	150	150	126	301	139	150	150	128	305
	460-3-60	7.2	52	11	7.8	52	12	2.9	3.6	0.5	—	None	—	—	—	23.5	25	30	25	146	24.5	25	30	26	148
												11746	16.5	1	19.8	29.3	30	30	27	146	30.5	35	35	28	148
												12846	27.8	1	33.4	46.3	50	50	43	146	47.5	50	50	44	148
												13346	33	1	39.7	54.1	60	60	50	146	55.4	60	60	51	148
												14246	41.7	2	50.2	67.3	70	70	62	146	68.5	70	70	63	148
	575-3-60	5.7	43.8	9	5.7	38.9	9	2.2	2.5	0.4	—	None	—	—	—	17.5	20	20	19	112	18.3	20	20	19	114
												11758	17	1	16.4	23.6	25	25	22	112	24.6	25	25	23	114
												13458	34	1	32.7	44	45	45	40	112	45	45	45	41	114
14 (12.5)	208-3-60	18.6	149	29	19.6	136	31	5.8	8.9	0	—	None	—	—	—	57.8	60	70	61	384	57.8	60	70	61	384
												11725	12	1	33.3	57.8	60	70	61	384	57.8	60	70	61	384
												12525	18.6	1	51.6	75.6	80	80	70	384	75.6	80	80	70	384
												13225	24	1	66.6	94.4	100	100	87	384	94.4	100	100	87	384
												14225	31.8	2	88.3	121.5	125	125	112	384	121.5	125	125	112	384
	230-3-60	18.6	149	29	19.6	136	31	5.2	8.2	0	—	None	—	—	—	56.5	60	70	59	383	56.5	60	70	59	383
												11725	16	1	38.5	58.4	60	70	59	383	58.4	60	70	59	383
												12525	24.8	1	59.7	84.9	90	90	78	383	84.9	90	90	78	383
												13225	32	1	77	106.5	110	110	98	383	106.5	110	110	98	383
												14225	42.4	2	102	137.8	150	150	127	383	137.8	150	150	127	383
	460-3-60	9	60.9	14	8.2	66.1	13	2.9	4.1	0	—	None	—	—	—	26.5	30	35	28	173	26.5	30	35	28	173
												11746	16.5	1	19.8	29.9	30	35	27	173	29.9	30	35	27	173
												12846	27.8	1	33.4	46.9	50	50	43	173	46.9	50	50	43	173
												13346	33	1	39.7	54.8	60	60	50	173	54.8	60	60	50	173
												14246	41.7	2	50.2	67.9	70	70	62	173	67.9	70	70	62	173
	575-3-60	7.1	56	11	6.6	55.3	10	2.2	3.2	0	—	None	—	—	—	20.9	25	25	22	149	20.9	25	25	22	149
												11758	17	1	16.4	24.5	25	25	23	149	24.5	25	25	23	149
												13458	34	1	32.7	44.9	45	45	41	149	44.9	45	45	41	149

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL08 to 14 standard indoor blower - with powered convenience outlet

Table 181: ZL08 to 14 standard indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
08 (7.5)	208-3-60	14	83.1	22	13.5	88	21	2	7	1.1	8.6	None	—	—	—	46.3	50	60	49	244	48.5	50	60	52	249
												11725	12	1	33.3	55.8	60	60	51	244	58.5	60	60	54	249
												12525	18.6	1	51.6	78.6	80	80	72	244	81.4	90	90	75	249
												13225	24	1	66.6	97.4	100	100	90	244	100.1	110	110	92	249
												14225	31.8	2	88.3	124.5	125	125	115	244	127.3	150	150	117	249
	230-3-60	14	83.1	22	13.5	88	21	2.3	7.2	1	8.6	None	—	—	—	47.1	50	60	50	247	49.1	50	60	52	252
												11725	16	1	38.5	62.5	70	70	58	247	65	70	70	60	252
												12525	24.8	1	59.7	89	90	90	82	247	91.5	100	100	84	252
												13225	32	1	77	110.6	125	125	102	247	113.1	125	125	104	252
												14225	42.4	2	102	141.9	150	150	131	247	144.4	150	150	133	252
	460-3-60	6.4	41	10	6	44	9	1.3	3.6	0.5	8.6	None	—	—	—	22.4	25	25	24	124	23.4	25	25	25	126
												11746	16.5	1	19.8	31.9	35	35	29	124	33.2	35	35	31	126
												12846	27.8	1	33.4	48.9	50	50	45	124	50.2	60	60	46	126
												13346	33	1	39.7	56.8	60	60	52	124	58.1	60	60	53	126
												14246	41.7	2	50.2	69.9	70	70	64	124	71.2	80	80	65	126
	575-3-60	4.6	33	7	4.9	34	8	1	2.5	0.4	8.6	None	—	—	—	16.9	20	20	18	91	17.7	20	20	19	93
												11758	17	1	16.4	25.8	30	30	24	91	26.8	30	30	25	93
												13458	34	1	32.7	46.2	50	50	42	91	47.2	50	50	43	93
09 (8.5)	208-3-60	14	83.1	22	13.7	83.1	21	2	7	1.1	8.6	None	—	—	—	46.5	50	60	49	239	48.7	50	60	52	244
												11725	12	1	33.3	55.8	60	60	51	239	58.5	60	60	54	244
												12525	18.6	1	51.6	78.6	80	80	72	239	81.4	90	90	75	244
												13225	24	1	66.6	97.4	100	100	90	239	100.1	110	110	92	244
												14225	31.8	2	88.3	124.5	125	125	115	239	127.3	150	150	117	244
	230-3-60	14	83.1	22	13.7	83.1	21	2.3	7.2	1	8.6	None	—	—	—	47.3	50	60	50	242	49.3	50	60	53	247
												11725	16	1	38.5	62.5	70	70	58	242	65	70	70	60	247
												12525	24.8	1	59.7	89	90	90	82	242	91.5	100	100	84	247
												13225	32	1	77	110.6	125	125	102	242	113.1	125	125	104	247
												14225	42.4	2	102	141.9	150	150	131	242	144.4	150	150	133	247
	460-3-60	6.4	41	10	6.2	41	10	1.3	3.6	0.5	8.6	None	—	—	—	22.6	25	25	24	121	23.6	25	25	25	123
												11746	16.5	1	19.8	31.9	35	35	29	121	33.2	35	35	31	123
												12846	27.8	1	33.4	48.9	50	50	45	121	50.2	60	60	46	123
												13346	33	1	39.7	56.8	60	60	52	121	58.1	60	60	53	123
												14246	41.7	2	50.2	69.9	70	70	64	121	71.2	80	80	65	123
	575-3-60	4.6	33	7	4.8	33	8	1	2.5	0.4	8.6	None	—	—	—	16.8	20	20	18	90	17.6	20	20	19	92
												11758	17	1	16.4	25.8	30	30	24	90	26.8	30	30	25	92
												13458	34	1	32.7	46.2	50	50	42	90	47.2	50	50	43	92

Table 181: ZL08 to 14 standard indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	16.5	110	26	16	110	25	5.8	7	1.1	8.6	None	—	—	—	53.7	60	70	57	306	55.9	60	70	60	311
												11725	12	1	33.3	55.8	60	70	57	306	58.5	60	70	60	311
												12525	18.6	1	51.6	78.6	80	80	72	306	81.4	90	90	75	311
												13225	24	1	66.6	97.4	100	100	90	306	100.1	110	110	92	311
												14225	31.8	2	88.3	124.5	125	125	115	306	127.3	150	150	117	311
	230-3-60	16.5	110	26	16	110	25	5.2	7.2	1	8.6	None	—	—	—	53.3	60	60	57	305	55.3	60	70	59	310
												11725	16	1	38.5	62.5	70	70	58	305	65	70	70	60	310
												12525	24.8	1	59.7	89	90	90	82	305	91.5	100	100	84	310
												13225	32	1	77	110.6	125	125	102	305	113.1	125	125	104	310
												14225	42.4	2	102	141.9	150	150	131	305	144.4	150	150	133	310
	460-3-60	7.2	52	11	7.8	52	12	2.9	3.6	0.5	8.6	None	—	—	—	25.7	30	30	27	148	26.7	30	30	28	150
												11746	16.5	1	19.8	31.9	35	35	29	148	33.2	35	35	31	150
												12846	27.8	1	33.4	48.9	50	50	45	148	50.2	60	60	46	150
												13346	33	1	39.7	56.8	60	60	52	148	58.1	60	60	53	150
												14246	41.7	2	50.2	69.9	70	70	64	148	71.2	80	80	65	150
	575-3-60	5.7	43.8	9	5.7	38.9	9	2.2	2.5	0.4	8.6	None	—	—	—	19.2	20	20	20	113	20	20	20	21	115
												11758	17	1	16.4	25.8	30	30	24	113	26.8	30	30	25	115
												13458	34	1	32.7	46.2	50	50	42	113	47.2	50	50	43	115
14 (12.5)	208-3-60	18.6	149	29	19.6	136	31	5.8	8.9	0	8.6	None	—	—	—	62.1	70	80	66	388	62.1	70	80	66	388
												11725	12	1	33.3	62.1	70	80	66	388	62.1	70	80	66	388
												12525	18.6	1	51.6	81	90	90	75	388	81	90	90	75	388
												13225	24	1	66.6	99.8	100	100	92	388	99.8	100	100	92	388
												14225	31.8	2	88.3	126.9	150	150	117	388	126.9	150	150	117	388
	230-3-60	18.6	149	29	19.6	136	31	5.2	8.2	0	8.6	None	—	—	—	60.8	70	80	64	387	60.8	70	80	64	387
												11725	16	1	38.5	63.8	70	80	64	387	63.8	70	80	64	387
												12525	24.8	1	59.7	90.3	100	100	83	387	90.3	100	100	83	387
												13225	32	1	77	111.9	125	125	103	387	111.9	125	125	103	387
												14225	42.4	2	102	143.1	150	150	132	387	143.1	150	150	132	387
	460-3-60	9	60.9	14	8.2	66.1	13	2.9	4.1	0	8.6	None	—	—	—	28.7	30	35	30	175	28.7	30	35	30	175
												11746	16.5	1	19.8	32.6	35	35	30	175	32.6	35	35	30	175
												12846	27.8	1	33.4	49.6	50	50	46	175	49.6	50	50	46	175
												13346	33	1	39.7	57.4	60	60	53	175	57.4	60	60	53	175
												14246	41.7	2	50.2	70.6	80	80	65	175	70.6	80	80	65	175
	575-3-60	7.1	56	11	6.6	55.3	10	2.2	3.2	0	8.6	None	—	—	—	22.6	25	25	24	150	22.6	25	25	24	150
												11758	17	1	16.4	26.7	30	30	25	150	26.7	30	30	25	150
												13458	34	1	32.7	47	50	50	43	150	47	50	50	43	150

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL08 to 14 medium indoor blower - without powered convenience outlet

Table 182: ZL08 to 14 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max Fuse[2]/ Breaker[3] Size (Amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
08 (7.5)	208-3-60	14	83.1	22	13.5	88	21	2	7	1.1	—	None	—	—	—	42	45	50	44	240	44.2	45	50	47	245
												11725	12	1	33.3	50.4	60	60	46	240	53.1	60	60	49	245
												12525	18.6	1	51.6	73.3	80	80	67	240	76	80	80	70	245
												13225	24	1	66.6	92	100	100	85	240	94.8	100	100	87	245
												14225	31.8	2	88.3	119.1	125	125	110	240	121.9	125	125	112	245
	230-3-60	14	83.1	22	13.5	88	21	2.3	7.2	1	—	None	—	—	—	42.8	45	50	45	243	44.8	45	50	47	247
												11725	16	1	38.5	57.1	60	60	53	243	59.6	60	60	55	247
												12525	24.8	1	59.7	83.6	90	90	77	243	86.1	90	90	79	247
												13225	32	1	77	105.3	110	110	97	243	107.8	110	110	99	247
												14225	42.4	2	102	136.5	150	150	126	243	139	150	150	128	247
	460-3-60	6.4	41	10	6	44	9	1.3	3.6	0.5	—	None	—	—	—	20.2	25	25	21	122	21.2	25	25	23	124
												11746	16.5	1	19.8	29.3	30	30	27	122	30.5	35	35	28	124
												12846	27.8	1	33.4	46.3	50	50	43	122	47.5	50	50	44	124
												13346	33	1	39.7	54.1	60	60	50	122	55.4	60	60	51	124
												14246	41.7	2	50.2	67.3	70	70	62	122	68.5	70	70	63	124
	575-3-60	4.6	33	7	4.9	34	8	1	2.5	0.4	—	None	—	—	—	15.2	20	20	16	89	16	20	20	17	91
												11758	17	1	16.4	23.6	25	25	22	89	24.6	25	25	23	91
												13458	34	1	32.7	44	45	45	40	89	45	45	45	41	91
09 (8.5)	208-3-60	14	83.1	22	13.7	83.1	21	2	7	1.1	—	None	—	—	—	42.2	45	50	45	235	44.4	45	50	47	240
												11725	12	1	33.3	50.4	60	60	46	235	53.1	60	60	49	240
												12525	18.6	1	51.6	73.3	80	80	67	235	76	80	80	70	240
												13225	24	1	66.6	92	100	100	85	235	94.8	100	100	87	240
												14225	31.8	2	88.3	119.1	125	125	110	235	121.9	125	125	112	240
	230-3-60	14	83.1	22	13.7	83.1	21	2.3	7.2	1	—	None	—	—	—	43	45	50	45	238	45	45	50	48	242
												11725	16	1	38.5	57.1	60	60	53	238	59.6	60	60	55	242
												12525	24.8	1	59.7	83.6	90	90	77	238	86.1	90	90	79	242
												13225	32	1	77	105.3	110	110	97	238	107.8	110	110	99	242
												14225	42.4	2	102	136.5	150	150	126	238	139	150	150	128	242
	460-3-60	6.4	41	10	6.2	41	10	1.3	3.6	0.5	—	None	—	—	—	20.4	25	25	22	119	21.4	25	25	23	121
												11746	16.5	1	19.8	29.3	30	30	27	119	30.5	35	35	28	121
												12846	27.8	1	33.4	46.3	50	50	43	119	47.5	50	50	44	121
												13346	33	1	39.7	54.1	60	60	50	119	55.4	60	60	51	121
												14246	41.7	2	50.2	67.3	70	70	62	119	68.5	70	70	63	121
	575-3-60	4.6	33	7	4.8	33	8	1	2.5	0.4	—	None	—	—	—	15.1	20	20	16	88	15.9	20	20	17	90
												11758	17	1	16.4	23.6	25	25	22	88	24.6	25	25	23	90
												13458	34	1	32.7	44	45	45	40	88	45	45	45	41	90

Table 182: ZL08 to 14 medium indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[2] size (amps)	Max Fuse[2]/ Breaker[3] Size (Amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	16.5	110	26	16	110	25	5.8	9.9	1.1	—	None	—	—	—	52.3	60	60	55	315	54.5	60	60	58	320
												11725	12	1	33.3	54	60	60	55	315	56.8	60	60	58	320
												12525	18.6	1	51.6	76.9	80	80	71	315	79.6	80	80	73	320
												13225	24	1	66.6	95.6	100	100	88	315	98.4	100	100	91	320
												14225	31.8	2	88.3	122.8	125	125	113	315	125.5	150	150	115	320
	230-3-60	16.5	110	26	16	110	25	5.2	9.4	1	—	None	—	—	—	51.2	60	60	54	320	53.2	60	60	56	324
												11725	16	1	38.5	59.9	60	60	55	320	62.4	70	70	57	324
												12525	24.8	1	59.7	86.4	90	90	79	320	88.9	90	90	82	324
												13225	32	1	77	108	110	110	99	320	110.5	125	125	102	324
												14225	42.4	2	102	139.3	150	150	128	320	141.8	150	150	130	324
	460-3-60	7.2	52	11	7.8	52	12	2.9	4.7	0.5	—	None	—	—	—	24.6	25	30	26	155	25.6	30	30	27	158
												11746	16.5	1	19.8	30.6	35	35	28	155	31.9	35	35	29	158
												12846	27.8	1	33.4	47.6	50	50	44	155	48.9	50	50	45	158
												13346	33	1	39.7	55.5	60	60	51	155	56.8	60	60	52	158
												14246	41.7	2	50.2	68.6	70	70	63	155	69.9	70	70	64	158
	575-3-60	5.7	43.8	9	5.7	38.9	9	2.2	4.3	0.4	—	None	—	—	—	19.3	20	25	21	134	20.1	25	25	22	136
												11758	17	1	16.4	25.9	30	30	24	134	26.9	30	30	25	136
												13458	34	1	32.7	46.3	50	50	43	134	47.3	50	50	43	136
14 (12.5)	208-3-60	18.6	149	29	19.6	136	31	5.8	9.9	0	—	None	—	—	—	58.8	60	70	62	380	58.8	60	70	62	380
												11725	12	1	33.3	58.8	60	70	62	380	58.8	60	70	62	380
												12525	18.6	1	51.6	76.9	80	80	71	380	76.9	80	80	71	380
												13225	24	1	66.6	95.6	100	100	88	380	95.6	100	100	88	380
												14225	31.8	2	88.3	122.8	125	125	113	380	122.8	125	125	113	380
	230-3-60	18.6	149	29	19.6	136	31	5.2	9.4	0	—	None	—	—	—	57.7	60	70	61	385	57.7	60	70	61	385
												11725	16	1	38.5	59.9	60	70	61	385	59.9	60	70	61	385
												12525	24.8	1	59.7	86.4	90	90	79	385	86.4	90	90	79	385
												13225	32	1	77	108	110	110	99	385	108	110	110	99	385
												14225	42.4	2	102	139.3	150	150	128	385	139.3	150	150	128	385
	460-3-60	9	60.9	14	8.2	66.1	13	2.9	4.7	0	—	None	—	—	—	27.1	30	35	29	178	27.1	30	35	29	178
												11746	16.5	1	19.8	30.6	35	35	28	178	30.6	35	35	28	178
												12846	27.8	1	33.4	47.6	50	50	44	178	47.6	50	50	44	178
												13346	33	1	39.7	55.5	60	60	51	178	55.5	60	60	51	178
												14246	41.7	2	50.2	68.6	70	70	63	178	68.6	70	70	63	178
	575-3-60	7.1	56	11	6.6	55.3	10	2.2	4.3	0	—	None	—	—	—	22	25	25	23	163	22	25	25	23	163
												11758	17	1	16.4	25.9	30	30	24	163	25.9	30	30	24	163
												13458	34	1	32.7	46.3	50	50	43	163	46.3	50	50	43	163

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL08 to 14 medium indoor blower - with powered convenience outlet

Table 183: ZL08 to 14 medium indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min Fuse [2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min Disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
08 (7.5)	208-3-60	14	83.1	22	13.5	88	21	2	7	1.1	8.6	None	—	—	—	46.3	50	60	49	244	48.5	50	60	52	249
												11725	12	1	33.3	55.8	60	60	51	244	58.5	60	60	54	249
												12525	18.6	1	51.6	78.6	80	80	72	244	81.4	90	90	75	249
												13225	24	1	66.6	97.4	100	100	90	244	100.1	110	110	92	249
												14225	31.8	2	88.3	124.5	125	125	115	244	127.3	150	150	117	249
	230-3-60	14	83.1	22	13.5	88	21	2.3	7.2	1	8.6	None	—	—	—	47.1	50	60	50	247	49.1	50	60	52	252
												11725	16	1	38.5	62.5	70	70	58	247	65	70	70	60	252
												12525	24.8	1	59.7	89	90	90	82	247	91.5	100	100	84	252
												13225	32	1	77	110.6	125	125	102	247	113.1	125	125	104	252
												14225	42.4	2	102	141.9	150	150	131	247	144.4	150	150	133	252
	460-3-60	6.4	41	10	6	44	9	1.3	3.6	0.5	8.6	None	—	—	—	22.4	25	25	24	124	23.4	25	25	25	126
												11746	16.5	1	19.8	31.9	35	35	29	124	33.2	35	35	31	126
												12846	27.8	1	33.4	48.9	50	50	45	124	50.2	60	60	46	126
												13346	33	1	39.7	56.8	60	60	52	124	58.1	60	60	53	126
												14246	41.7	2	50.2	69.9	70	70	64	124	71.2	80	80	65	126
	575-3-60	4.6	33	7	4.9	34	8	1	2.5	0.4	8.6	None	—	—	—	16.9	20	20	18	91	17.7	20	20	19	93
												11758	17	1	16.4	25.8	30	30	24	91	26.8	30	30	25	93
												13458	34	1	32.7	46.2	50	50	42	91	47.2	50	50	43	93
09 (8.5)	208-3-60	14	83.1	22	13.7	83.1	21	2	7	1.1	8.6	None	—	—	—	46.5	50	60	49	239	48.7	50	60	52	244
												11725	12	1	33.3	55.8	60	60	51	239	58.5	60	60	54	244
												12525	18.6	1	51.6	78.6	80	80	72	239	81.4	90	90	75	244
												13225	24	1	66.6	97.4	100	100	90	239	100.1	110	110	92	244
												14225	31.8	2	88.3	124.5	125	125	115	239	127.3	150	150	117	244
	230-3-60	14	83.1	22	13.7	83.1	21	2.3	7.2	1	8.6	None	—	—	—	47.3	50	60	50	242	49.3	50	60	53	247
												11725	16	1	38.5	62.5	70	70	58	242	65	70	70	60	247
												12525	24.8	1	59.7	89	90	90	82	242	91.5	100	100	84	247
												13225	32	1	77	110.6	125	125	102	242	113.1	125	125	104	247
												14225	42.4	2	102	141.9	150	150	131	242	144.4	150	150	133	247
	460-3-60	6.4	41	10	6.2	41	10	1.3	3.6	0.5	8.6	None	—	—	—	22.6	25	25	24	121	23.6	25	25	25	123
												11746	16.5	1	19.8	31.9	35	35	29	121	33.2	35	35	31	123
												12846	27.8	1	33.4	48.9	50	50	45	121	50.2	60	60	46	123
												13346	33	1	39.7	56.8	60	60	52	121	58.1	60	60	53	123
												14246	41.7	2	50.2	69.9	70	70	64	121	71.2	80	80	65	123
	575-3-60	4.6	33	7	4.8	33	8	1	2.5	0.4	8.6	None	—	—	—	16.8	20	20	18	90	17.6	20	20	19	92
												11758	17	1	16.4	25.8	30	30	24	90	26.8	30	30	25	92
												13458	34	1	32.7	46.2	50	50	42	90	47.2	50	50	43	92

Table 183: ZL08 to 14 medium indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min Fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max fuse[2] / breaker[3] size w/ pwr exh (amps)	Min Disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	16.5	110	26	16	110	25	5.8	9.9	1.1	8.6	None	—	—	—	56.6	60	70	60	319	58.8	60	70	63	324
												11725	12	1	33.3	59.4	60	70	60	319	62.1	70	70	63	324
												12525	18.6	1	51.6	82.3	90	90	76	319	85	90	90	78	324
												13225	24	1	66.6	101	110	110	93	319	103.8	110	110	95	324
												14225	31.8	2	88.3	128.1	150	150	118	319	130.9	150	150	120	324
	230-3-60	16.5	110	26	16	110	25	5.2	9.4	1	8.6	None	—	—	—	55.5	60	70	59	324	57.5	60	70	61	329
												11725	16	1	38.5	65.3	70	70	60	324	67.8	70	70	62	329
												12525	24.8	1	59.7	91.8	100	100	84	324	94.3	100	100	87	329
												13225	32	1	77	113.4	125	125	104	324	115.9	125	125	107	329
												14225	42.4	2	102	144.6	150	150	133	324	147.1	150	150	135	329
	460-3-60	7.2	52	11	7.8	52	12	2.9	4.7	0.5	8.6	None	—	—	—	26.8	30	30	29	157	27.8	30	30	30	160
												11746	16.5	1	19.8	33.3	35	35	31	157	34.6	35	35	32	160
												12846	27.8	1	33.4	50.3	60	60	46	157	51.6	60	60	47	160
												13346	33	1	39.7	58.2	60	60	54	157	59.4	60	60	55	160
												14246	41.7	2	50.2	71.3	80	80	66	157	72.6	80	80	67	160
	575-3-60	5.7	43.8	9	5.7	38.9	9	2.2	4.3	0.4	8.6	None	—	—	—	21	25	25	23	136	21.8	25	25	23	138
												11758	17	1	16.4	28	30	30	26	136	29	30	30	27	138
												13458	34	1	32.7	48.4	50	50	45	136	49.4	50	50	45	138
14 (12.5)	208-3-60	18.6	149	29	19.6	136	31	5.8	9.9	0	8.6	None	—	—	—	63.1	70	80	67	384	63.1	70	80	67	384
												11725	12	1	33.3	63.1	70	80	67	384	63.1	70	80	67	384
												12525	18.6	1	51.6	82.3	90	90	76	384	82.3	90	90	76	384
												13225	24	1	66.6	101	110	110	93	384	101	110	110	93	384
												14225	31.8	2	88.3	128.1	150	150	118	384	128.1	150	150	118	384
	230-3-60	18.6	149	29	19.6	136	31	5.2	9.4	0	8.6	None	—	—	—	62	70	80	66	389	62	70	80	66	389
												11725	16	1	38.5	65.3	70	80	66	389	65.3	70	80	66	389
												12525	24.8	1	59.7	91.8	100	100	84	389	91.8	100	100	84	389
												13225	32	1	77	113.4	125	125	104	389	113.4	125	125	104	389
												14225	42.4	2	102	144.6	150	150	133	389	144.6	150	150	133	389
	460-3-60	9	60.9	14	8.2	66.1	13	2.9	4.7	0	8.6	None	—	—	—	29.3	30	35	31	180	29.3	30	35	31	180
												11746	16.5	1	19.8	33.3	35	35	31	180	33.3	35	35	31	180
												12846	27.8	1	33.4	50.3	60	60	46	180	50.3	60	60	46	180
												13346	33	1	39.7	58.2	60	60	54	180	58.2	60	60	54	180
												14246	41.7	2	50.2	71.3	80	80	66	180	71.3	80	80	66	180
	575-3-60	7.1	56	11	6.6	55.3	10	2.2	4.3	0	8.6	None	—	—	—	23.7	25	30	25	164	23.7	25	30	25	164
												11758	17	1	16.4	28	30	30	26	164	28	30	30	26	164
												13458	34	1	32.7	48.4	50	50	45	164	48.4	50	50	45	164

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL08 to 14 high indoor blower - without powered convenience outlet

Table 184: ZL08 to 14 high indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ Breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
08 (7.5)	208-3-60	14	83.1	22	13.5	88	21	2	9.9	1.1	—	None	—	—	—	44.9	45	50	48	252	47.1	50	60	50	257
												11725	12	1	33.3	54	60	60	50	252	56.8	60	60	52	257
												12525	18.6	1	51.6	76.9	80	80	71	252	79.6	80	80	73	257
												13225	24	1	66.6	95.6	100	100	88	252	98.4	100	100	91	257
												14225	31.8	2	88.3	122.8	125	125	113	252	125.5	150	150	115	257
	230-3-60	14	83.1	22	13.5	88	21	2.3	9.4	1	—	None	—	—	—	45	45	50	48	262	47	50	60	50	266
												11725	16	1	38.5	59.9	60	60	55	262	62.4	70	70	57	266
												12525	24.8	1	59.7	86.4	90	90	79	262	88.9	90	90	82	266
												13225	32	1	77	108	110	110	99	262	110.5	125	125	102	266
												14225	42.4	2	102	139.3	150	150	128	262	141.8	150	150	130	266
	460-3-60	6.4	41	10	6	44	9	1.3	4.7	0.5	—	None	—	—	—	21.3	25	25	23	131	22.3	25	25	24	133
												11746	16.5	1	19.8	30.6	35	35	28	131	31.9	35	35	29	133
												12846	27.8	1	33.4	47.6	50	50	44	131	48.9	50	50	45	133
												13346	33	1	39.7	55.5	60	60	51	131	56.8	60	60	52	133
												14246	41.7	2	50.2	68.6	70	70	63	131	69.9	70	70	64	133
	575-3-60	4.6	33	7	4.9	34	8	1	4.3	0.4	—	None	—	—	—	17	20	20	18	112	17.8	20	20	19	113
												11758	17	1	16.4	25.9	30	30	24	112	26.9	30	30	25	113
												13458	34	1	32.7	46.3	50	50	43	112	47.3	50	50	43	113
09 (8.5)	208-3-60	14	83.1	22	13.7	83.1	21	2	9.9	1.1	—	None	—	—	—	45.1	50	50	48	248	47.3	50	60	50	253
												11725	12	1	33.3	54	60	60	50	248	56.8	60	60	52	253
												12525	18.6	1	51.6	76.9	80	80	71	248	79.6	80	80	73	253
												13225	24	1	66.6	95.6	100	100	88	248	98.4	100	100	91	253
												14225	31.8	2	88.3	122.8	125	125	113	248	125.5	150	150	115	253
	230-3-60	14	83.1	22	13.7	83.1	21	2.3	9.4	1	—	None	—	—	—	45.2	50	50	48	257	47.2	50	60	50	261
												11725	16	1	38.5	59.9	60	60	55	257	62.4	70	70	57	261
												12525	24.8	1	59.7	86.4	90	90	79	257	88.9	90	90	82	261
												13225	32	1	77	108	110	110	99	257	110.5	125	125	102	261
												14225	42.4	2	102	139.3	150	150	128	257	141.8	150	150	130	261
	460-3-60	6.4	41	10	6.2	41	10	1.3	4.7	0.5	—	None	—	—	—	21.5	25	25	23	128	22.5	25	25	24	130
												11746	16.5	1	19.8	30.6	35	35	28	128	31.9	35	35	29	130
												12846	27.8	1	33.4	47.6	50	50	44	128	48.9	50	50	45	130
												13346	33	1	39.7	55.5	60	60	51	128	56.8	60	60	52	130
												14246	41.7	2	50.2	68.6	70	70	63	128	69.9	70	70	64	130
	575-3-60	4.6	33	7	4.8	33	8	1	4.3	0.4	—	None	—	—	—	16.9	20	20	18	111	17.7	20	20	19	112
												11758	17	1	16.4	25.9	30	30	24	111	26.9	30	30	25	112
												13458	34	1	32.7	46.3	50	50	43	111	47.3	50	50	43	112

Table 184: ZL08 to 14 high indoor blower - without powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2]/breaker[3] size (amps)	Max fuse[2]/ breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2]/ breaker[3] size w/ pwr exh (amps)	Max fuse[2]/ Breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	16.5	110	26	16	110	25	5.8	13.5	1.1	—	None	—	—	—	55.9	60	70	60	345	58.1	60	70	62	350
												11725	12	1	33.3	58.5	60	70	60	345	61.3	70	70	62	350
												12525	18.6	1	51.6	81.4	90	90	75	345	84.1	90	90	77	350
												13225	24	1	66.6	100.1	110	110	92	345	102.9	110	110	95	350
												14225	31.8	2	88.3	127.3	150	150	117	345	130	150	150	120	350
	230-3-60	16.5	110	26	16	110	25	5.2	13.4	1	—	None	—	—	—	55.2	60	70	59	341	57.2	60	70	61	346
												11725	16	1	38.5	64.9	70	70	60	341	67.4	70	70	62	346
												12525	24.8	1	59.7	91.4	100	100	84	341	93.9	100	100	86	346
												13225	32	1	77	113	125	125	104	341	115.5	125	125	106	346
												14225	42.4	2	102	144.3	150	150	133	341	146.8	150	150	135	346
	460-3-60	7.2	52	11	7.8	52	12	2.9	6.7	0.5	—	None	—	—	—	26.6	30	30	28	166	27.6	30	30	29	168
												11746	16.5	1	19.8	33.1	35	35	30	166	34.4	35	35	32	168
												12846	27.8	1	33.4	50.1	60	60	46	166	51.4	60	60	47	168
												13346	33	1	39.7	58	60	60	53	166	59.3	60	60	55	168
												14246	41.7	2	50.2	71.1	80	80	65	166	72.4	80	80	67	168
	575-3-60	5.7	43.8	9	5.7	38.9	9	2.2	5.4	0.4	—	None	—	—	—	20.4	25	25	22	134	21.2	25	25	23	136
												11758	17	1	16.4	27.3	30	30	25	134	28.3	30	30	26	136
												13458	34	1	32.7	47.6	50	50	44	134	48.6	50	50	45	136
14 (12.5)	208-3-60	18.6	149	29	19.6	136	31	5.8	13.5	0	—	None	—	—	—	62.4	70	80	66	410	62.4	70	80	66	410
												11725	12	1	33.3	62.4	70	80	66	410	62.4	70	80	66	410
												12525	18.6	1	51.6	81.4	90	90	75	410	81.4	90	90	75	410
												13225	24	1	66.6	100.1	110	110	92	410	100.1	110	110	92	410
												14225	31.8	2	88.3	127.3	150	150	117	410	127.3	150	150	117	410
	230-3-60	18.6	149	29	19.6	136	31	5.2	13.4	0	—	None	—	—	—	61.7	70	80	65	406	61.7	70	80	65	406
												11725	16	1	38.5	64.9	70	80	65	406	64.9	70	80	65	406
												12525	24.8	1	59.7	91.4	100	100	84	406	91.4	100	100	84	406
												13225	32	1	77	113	125	125	104	406	113	125	125	104	406
												14225	42.4	2	102	144.3	150	150	133	406	144.3	150	150	133	406
	460-3-60	9	60.9	14	8.2	66.1	13	2.9	6.7	0	—	None	—	—	—	29.1	30	35	31	189	29.1	30	35	31	189
												11746	16.5	1	19.8	33.1	35	35	30	189	33.1	35	35	30	189
												12846	27.8	1	33.4	50.1	60	60	46	189	50.1	60	60	46	189
												13346	33	1	39.7	58	60	60	53	189	58	60	60	53	189
												14246	41.7	2	50.2	71.1	80	80	65	189	71.1	80	80	65	189
	575-3-60	7.1	56	11	6.6	55.3	10	2.2	5.4	0	—	None	—	—	—	23.1	25	30	24	163	23.1	25	30	24	163
												11758	17	1	16.4	27.3	30	30	25	163	27.3	30	30	25	163
												13458	34	1	32.7	47.6	50	50	44	163	47.6	50	50	44	163

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

ZL08 to 14 high indoor blower - with powered convenience outlet

Table 185: ZL08 to 14 high indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse [2] / breaker[3] size (amps)	Max fuse [2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max Fuse[2] / Breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
08 (7.5)	208-3-60	14	83.1	22	13.5	88	21	2	9.9	1.1	8.6	None	—	—	—	49.2	50	60	53	257	51.4	60	60	55	262
												11725	12	1	33.3	59.4	60	60	55	257	62.1	70	70	57	262
												12525	18.6	1	51.6	82.3	90	90	76	257	85	90	90	78	262
												13225	24	1	66.6	101	110	110	93	257	103.8	110	110	95	262
												14225	31.8	2	88.3	128.1	150	150	118	257	130.9	150	150	120	262
	230-3-60	14	83.1	22	13.5	88	21	2.3	9.4	1	8.6	None	—	—	—	49.3	50	60	53	266	51.3	60	60	55	270
												11725	16	1	38.5	65.3	70	70	60	266	67.8	70	70	62	270
												12525	24.8	1	59.7	91.8	100	100	84	266	94.3	100	100	87	270
												13225	32	1	77	113.4	125	125	104	266	115.9	125	125	107	270
												14225	42.4	2	102	144.6	150	150	133	266	147.1	150	150	135	270
	460-3-60	6.4	41	10	6	44	9	1.3	4.7	0.5	8.6	None	—	—	—	23.5	25	25	25	133	24.5	25	25	26	135
												11746	16.5	1	19.8	33.3	35	35	31	133	34.6	35	35	32	135
												12846	27.8	1	33.4	50.3	60	60	46	133	51.6	60	60	47	135
												13346	33	1	39.7	58.2	60	60	54	133	59.4	60	60	55	135
												14246	41.7	2	50.2	71.3	80	80	66	133	72.6	80	80	67	135
	575-3-60	4.6	33	7	4.9	34	8	1	4.3	0.4	8.6	None	—	—	—	18.7	20	20	20	113	19.5	20	20	21	115
												11758	17	1	16.4	28	30	30	26	113	29	30	30	27	115
												13458	34	1	32.7	48.4	50	50	45	113	49.4	50	50	45	115
09 (8.5)	208-3-60	14	83.1	22	13.7	83.1	21	2	9.9	1.1	8.6	None	—	—	—	49.4	50	60	53	252	51.6	60	60	55	257
												11725	12	1	33.3	59.4	60	60	55	252	62.1	70	70	57	257
												12525	18.6	1	51.6	82.3	90	90	76	252	85	90	90	78	257
												13225	24	1	66.6	101	110	110	93	252	103.8	110	110	95	257
												14225	31.8	2	88.3	128.1	150	150	118	252	130.9	150	150	120	257
	230-3-60	14	83.1	22	13.7	83.1	21	2.3	9.4	1	8.6	None	—	—	—	49.5	50	60	53	261	51.5	60	60	55	266
												11725	16	1	38.5	65.3	70	70	60	261	67.8	70	70	62	266
												12525	24.8	1	59.7	91.8	100	100	84	261	94.3	100	100	87	266
												13225	32	1	77	113.4	125	125	104	261	115.9	125	125	107	266
												14225	42.4	2	102	144.6	150	150	133	261	147.1	150	150	135	266
	460-3-60	6.4	41	10	6.2	41	10	1.3	4.7	0.5	8.6	None	—	—	—	23.7	25	30	25	130	24.7	25	30	27	132
												11746	16.5	1	19.8	33.3	35	35	31	130	34.6	35	35	32	132
												12846	27.8	1	33.4	50.3	60	60	46	130	51.6	60	60	47	132
												13346	33	1	39.7	58.2	60	60	54	130	59.4	60	60	55	132
												14246	41.7	2	50.2	71.3	80	80	66	130	72.6	80	80	67	132
	575-3-60	4.6	33	7	4.8	33	8	1	4.3	0.4	8.6	None	—	—	—	18.6	20	20	20	112	19.4	20	20	21	114
												11758	17	1	16.4	28	30	30	26	112	29	30	30	27	114
												13458	34	1	32.7	48.4	50	50	45	112	49.4	50	50	45	114

Table 185: ZL08 to 14 high indoor blower - with powered convenience outlet

Size (ton)	Nominal unit voltage	Compressor 1			Compressor 2			OD fan motors (each)	Supply blower motor	Pwr exh motor	Pwr conv outlet	Electric heat field installed kit 2EK045*				MCA[1] (amps)	Min fuse[2] / breaker[3] size (amps)	Max fuse[2] / breaker[3] size (amps)	Min disconnect[4] rating		MCA[1] w/pwr exh (amps)	Min fuse[2] / breaker[3] size w/ pwr exh (amps)	Max Fuse[2] / Breaker[3] size w/ pwr exh (amps)	Min disconnect[4] rating/ pwr exh	
		RLA	LRA	MCC	RLA	LRA	MCC					Model	kW	Stages	Amps				FLA	LRA				FLA	LRA
12 (10)	208-3-60	16.5	110	26	16	110	25	5.8	13.5	1.1	8.6	None	—	—	—	60.2	70	70	65	349	62.4	70	70	67	354
												11725	12	1	33.3	63.9	70	70	65	349	66.6	70	70	67	354
												12525	18.6	1	51.6	86.8	90	90	80	349	89.5	90	90	82	354
												13225	24	1	66.6	105.5	110	110	97	349	108.3	110	110	100	354
												14225	31.8	2	88.3	132.6	150	150	122	349	135.4	150	150	125	354
	230-3-60	16.5	110	26	16	110	25	5.2	13.4	1	8.6	None	—	—	—	59.5	60	70	64	345	61.5	70	70	66	350
												11725	16	1	38.5	70.3	80	80	65	345	72.8	80	80	67	350
												12525	24.8	1	59.7	96.8	100	100	89	345	99.3	100	100	91	350
												13225	32	1	77	118.4	125	125	109	345	120.9	125	125	111	350
												14225	42.4	2	102	149.6	150	150	138	345	152.1	175	175	140	350
	460-3-60	7.2	52	11	7.8	52	12	2.9	6.7	0.5	8.6	None	—	—	—	28.8	30	35	31	168	29.8	30	35	32	170
												11746	16.5	1	19.8	35.8	40	40	33	168	37.1	40	40	34	170
												12846	27.8	1	33.4	52.8	60	60	49	168	54.1	60	60	50	170
												13346	33	1	39.7	60.7	70	70	56	168	61.9	70	70	57	170
												14246	41.7	2	50.2	73.8	80	80	68	168	75.1	80	80	69	170
	575-3-60	5.7	43.8	9	5.7	38.9	9	2.2	5.4	0.4	8.6	None	—	—	—	22.1	25	25	24	136	22.9	25	25	25	138
												11758	17	1	16.4	29.4	30	30	27	136	30.4	35	35	28	138
												13458	34	1	32.7	49.8	50	50	46	136	50.8	60	60	47	138
14 (12.5)	208-3-60	18.6	149	29	19.6	136	31	5.8	13.5	0	8.6	None	—	—	—	66.7	70	80	71	414	66.7	70	80	71	414
												11725	12	1	33.3	66.7	70	80	71	414	66.7	70	80	71	414
												12525	18.6	1	51.6	86.8	90	90	80	414	86.8	90	90	80	414
												13225	24	1	66.6	105.5	110	110	97	414	105.5	110	110	97	414
												14225	31.8	2	88.3	132.6	150	150	122	414	132.6	150	150	122	414
	230-3-60	18.6	149	29	19.6	136	31	5.2	13.4	0	8.6	None	—	—	—	66	70	80	70	410	66	70	80	70	410
												11725	16	1	38.5	70.3	80	80	70	410	70.3	80	80	70	410
												12525	24.8	1	59.7	96.8	100	100	89	410	96.8	100	100	89	410
												13225	32	1	77	118.4	125	125	109	410	118.4	125	125	109	410
												14225	42.4	2	102	149.6	150	150	138	410	149.6	150	150	138	410
	460-3-60	9	60.9	14	8.2	66.1	13	2.9	6.7	0	8.6	None	—	—	—	31.3	35	40	33	191	31.3	35	40	33	191
												11746	16.5	1	19.8	35.8	40	40	33	191	35.8	40	40	33	191
												12846	27.8	1	33.4	52.8	60	60	49	191	52.8	60	60	49	191
												13346	33	1	39.7	60.7	70	70	56	191	60.7	70	70	56	191
												14246	41.7	2	50.2	73.8	80	80	68	191	73.8	80	80	68	191
	575-3-60	7.1	56	11	6.6	55.3	10	2.2	5.4	0	8.6	None	—	—	—	24.8	25	30	26	164	24.8	25	30	26	164
												11758	17	1	16.4	29.4	30	30	27	164	29.4	30	30	27	164
												13458	34	1	32.7	49.8	50	50	46	164	49.8	50	50	46	164

1 Minimum Circuit Ampacity.
2 Dual element, time delay type.
3 HACR type per NEC.
4 Non-fused disconnect. Verify on the unit nameplate that the disconnect is properly sized for the application. Units with field installed electric heat kits may exceed the factory installed disconnect amperage rating.

Weights and dimensions

ZQ04-06, ZXA7-14, ZY04-12, ZL04-06 and ZL08-14 unit weights

Figure 7: Unit 4 point load weight

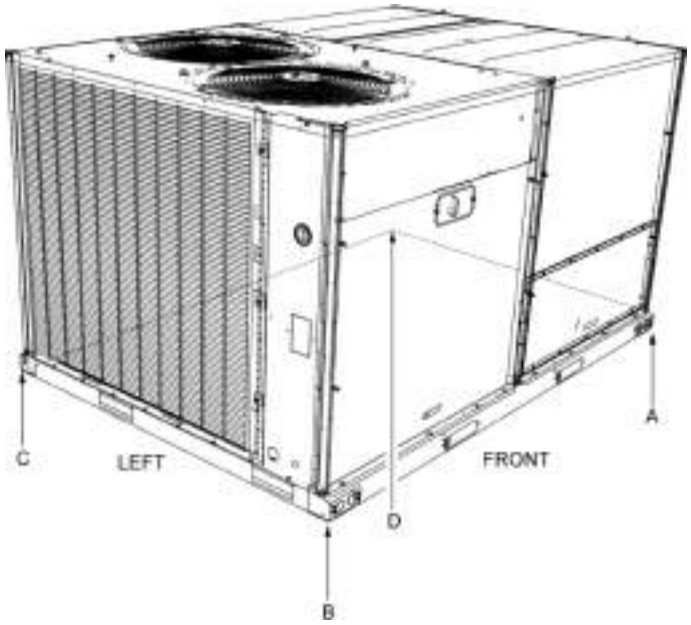


Figure 8: Unit 6 point load weight

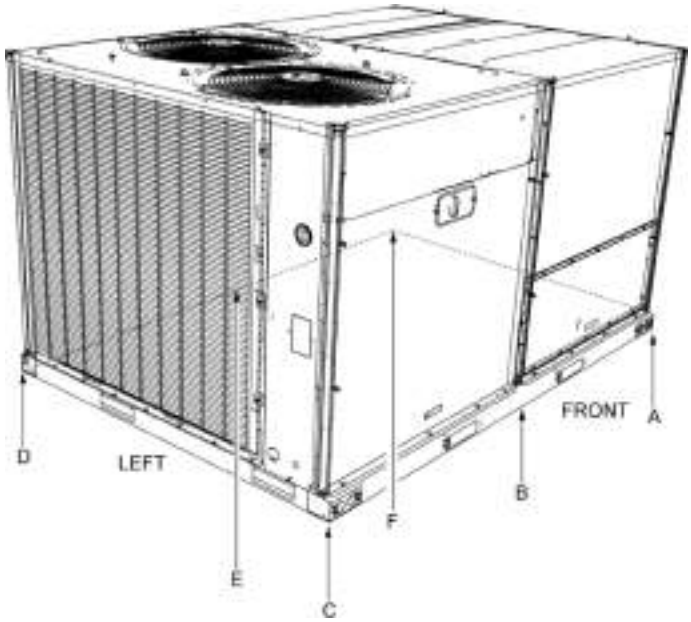


Figure 9: Unit center of gravity

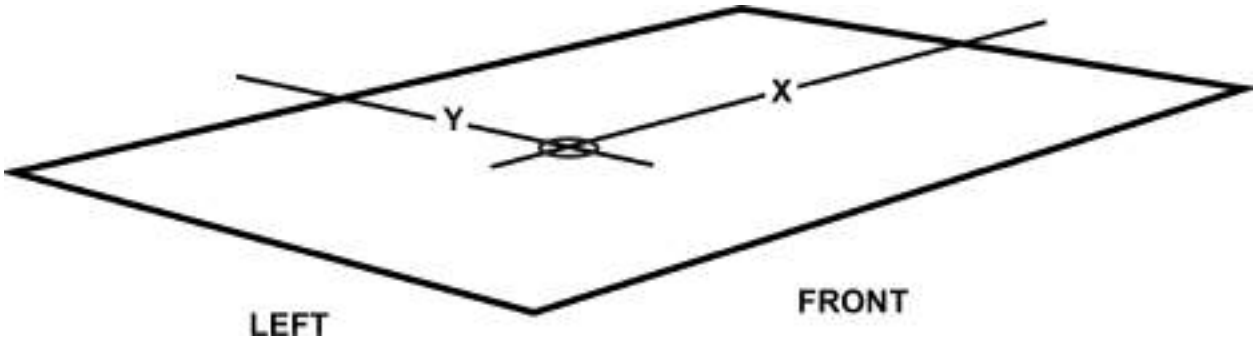


Table 186: ZQ04-06, ZXA7-14, ZY04-12, ZL04-06 and ZL08-14 corner weights

Model	Size (ton)	Weight (lb)		Center of gravity		4 point load location (lb)				6 point load location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
ZQE	04 (3)	479	450	36	26	121	117	104	108	81	79	78	69	71	72
ZQE	05 (4)	516	487	36	26	131	124	113	119	88	85	82	75	77	80
ZQE	06 (5)	590	561	36	24	140	134	140	147	94	91	89	93	96	99
ZXE	A7 (6)	634	614	34	25	168	146	139	160	115	104	95	91	99	109
ZXE	08 (7.5)	787	782	47	36	211	245	175	151	138	151	167	119	108	98
ZXE	09 (8.5)	847	842	46	36	227	259	189	166	148	161	176	129	118	109
ZXE	12 (10)	874	869	46	36	239	268	191	170	156	169	182	130	120	111
ZXE	14 (12.5)	936	931	45	36	262	281	200	187	173	181	190	135	129	123
ZYE	04 (3)	486	481	36	25	127	118	113	122	86	82	78	75	78	82
ZYE	05 (4)	569	564	36	25	145	140	137	142	97	95	93	91	93	95
ZYE	06 (5)	587	582	36	25	151	145	140	146	101	99	96	93	95	98
ZYE	07 (6)	730	725	44	36	206	211	156	153	137	139	141	104	103	101
ZYE	A7 (6)	849	829	45	35	229	244	183	172	151	158	165	124	118	113
ZYE	08 (7.5)	873	868	46	36	236	268	193	171	154	167	182	132	121	111
ZYE	09 (8.5)	878	878	46	36	241	265	195	177	158	168	180	132	124	116
ZYE	12 (10)	907	902	47	36	239	278	207	178	155	171	190	142	128	116
ZLE	04 (3)	486	481	42	27	112	147	126	96	71	85	103	88	73	61
ZLE	05 (4)	569	564	36	26	153	145	130	137	103	99	96	86	89	92
ZLE	06 (5)	587	582	37	24	141	142	150	149	94	94	95	100	100	99
ZLE	08 (7.5)	925	920	45	37	262	282	195	181	173	181	191	131	125	119
ZLE	09 (8.5)	930	925	46	36	258	284	201	182	169	180	192	136	128	120
ZLE	12 (10)	960	955	46	35	258	287	216	194	169	181	195	146	136	127
ZLE	14 (12.5)	985	980	44	35	277	283	213	208	184	186	189	142	140	138

Table 187: ZY04-12 and ZL04-14 corner weights with MagnaDRY option

Model	Size (ton)	Weight (lb)		Center of gravity		4 point load location (lb)				6 point load location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
ZYE	04 (3)	494	489	36	25	130	120	115	124	87	83	79	76	80	84
ZYE	05 (4)	579	574	36	25	148	142	140	145	99	97	94	92	95	97
ZYE	06 (5)	597	592	36	25	154	148	142	148	103	100	98	94	97	100
ZYE	A7 (6)	848	843	45	35	230	246	190	177	151	158	166	128	122	117
ZYE	08 (7.5)	888	883	46	36	240	272	197	174	157	170	185	134	123	113
ZYE	09 (8.5)	898	893	46	36	245	270	199	180	161	171	183	135	126	118
ZYE	12 (10)	925	920	47	36	242	285	212	181	157	175	195	146	130	117
ZLE	04 (3)	494	489	42	27	114	150	127	97	73	87	104	89	74	62
ZLE	05 (4)	579	574	36	26	156	150	132	137	104	102	99	87	90	92
ZLE	06 (5)	599	594	37	24	144	145	153	152	96	96	97	102	102	101
ZLE	08 (7.5)	940	935	45	37	269	289	195	182	178	186	195	132	126	120
ZLE	09 (8.5)	945	940	46	36	256	290	209	185	167	181	197	143	131	121
ZLE	12 (10)	978	973	46	35	261	288	222	202	171	183	195	150	141	132
ZLE	14 (12.5)	1003	998	44	35	278	285	220	215	185	188	191	147	145	143

Table 188: ZQ04-06, ZXA7-14, ZY04-12, ZL04-06 and ZL08-14 corner weights

Model	Size (ton)	Weight (lb)		Center of gravity		4 point load location (lb)				6 point load location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
ZQG	04 (3)	530	515	35	27	145	132	113	125	98	92	87	74	79	84
ZQG	05 (4)	557	552	36	27	154	144	123	131	104	99	95	81	85	89
ZQG	06 (5)	639	610	36	26	165	157	141	147	111	107	104	93	96	99
ZXG	A7 (6)	688	668	34	25	183	159	152	174	125	114	104	99	108	119
ZXG	07 (6)	651	646	34	26	183	155	141	167	125	112	101	92	102	114
ZXG	08 (7.5)	889	884	46	37	249	282	188	166	162	176	192	128	117	108
ZXG	09 (8.5)	949	944	45	36	266	288	203	187	175	184	194	137	130	123
ZXG	12 (10)	980	975	45	37	281	298	204	192	185	193	201	137	132	127
ZXG	14 (12.5)	1042	1037	44	37	301	309	216	210	200	203	207	145	142	140
ZYG	04 (3)	532	527	36	27	147	136	117	126	99	94	90	77	81	85
ZYG	05 (4)	623	618	36	26	167	156	142	152	113	108	103	94	98	103
ZYG	06 (5)	641	636	35	26	174	159	144	159	118	111	104	95	101	108
ZYG	07 (6)	800	795	43	37	237	233	161	164	159	157	155	107	108	109
ZYG	A7 (6)	919	899	45.0	35	249	265	199	187	164	171	179	134	128	123
ZYG	08 (7.5)	975	970	44	37	287	294	197	193	191	193	196	132	130	128
ZYG	09 (8.5)	980	970	45	36	276	289	207	198	183	188	194	139	135	131
ZYG	12 (10)	1013	1008	45	36	285	300	217	206	189	195	202	146	141	136
ZLG	04 (3)	560	555	42	27	129	170	146	111	82	98	118	102	84	71
ZLG	05 (4)	607	602	36	26	163	155	139	146	109	106	102	92	95	98
ZLG	06 (5)	636	631	37	25	160	160	156	155	106	107	107	104	104	103
ZLG	08 (7.5)	1045	1040	44	37	304	312	215	210	202	205	209	144	141	139
ZLG	09 (8.5)	1035	1030	45	36	294	309	219	208	194	201	208	147	142	138
ZLG	12 (10)	1055	1050	45	36	299	313	224	214	198	204	210	151	146	142
ZLG	14 (12.5)	1075	1070	44	36	309	316	225	220	205	208	211	151	148	146

Table 189: ZY04-12 and ZL04-14 corner weights with MagnaDRY option

Model	Size (ton)	Weight (lb)		Center of gravity		4 point load location (lb)				6 point load location (lb)					
		Shipping	Operating	X	Y	A	B	C	D	A	B	C	D	E	F
ZYG	04 (3)	540	535	36	27	149	139	119	128	101	96	91	79	82	87
ZYG	05 (4)	633	628	36	26	170	161	145	152	114	110	107	96	99	102
ZYG	06 (5)	651	646	35	26	179	161	145	161	122	113	106	95	102	109
ZYG	A7 (6)	918	913	45	35	249	267	206	192	164	172	180	139	132	127
ZYG	08 (7.5)	990	985	44	37	291	298	200	196	193	196	199	134	132	130
ZYG	09 (8.5)	1000	995	45	36	279	299	216	201	184	192	202	146	139	133
ZYG	12 (10)	1031	1026	45	36	290	305	221	210	192	198	205	148	143	139
ZLG	04 (3)	568	563	42	27	131	172	148	112	83	99	120	103	85	72
ZLG	05 (4)	617	612	36	26	166	157	141	148	111	108	104	93	96	100
ZLG	06 (5)	648	643	37	25	163	163	159	158	108	109	109	106	106	105
ZLG	08 (7.5)	1060	1055	44	37	313	319	213	209	208	211	213	143	141	139
ZLG	09 (8.5)	1050	1045	45	36	295	315	225	211	195	203	212	151	145	139
ZLG	12 (10)	1073	1068	45	36	302	322	230	215	199	208	217	155	148	142
ZLG	14 (12.5)	1093	1088	44	36	312	320	231	226	207	211	214	154	152	150

Table 190: ZQ, ZX, ZY and ZL04-14 unit accessory weights

Unit accessory	Weights (lb)
Powered convenience outlet factory installed	35
Non-powered convenience outlet factory installed	10
Vertical flow dry bulb economizer small footprint	63
Vertical flow dry bulb economizer large footprint	96
Horizontal flow dry bulb economizer small footprint short	75
Horizontal flow dry bulb economizer small footprint tall	81
Horizontal flow dry bulb economizer large footprint short	105
Horizontal flow dry bulb economizer large footprint tall	102
Power exhaust vertical flow small footprint	39
Power exhaust vertical flow large footprint	39
Power exhaust horizontal flow small footprint	39
Power exhaust horizontal flow large footprint	39
Hail guard kit small short factory installed	19
Hail guard kit small tall factory installed	24
Hail guard kit large short factory installed	50
Hail guard kit large tall factory installed	50

Table 190: ZQ, ZX, ZY and ZL04-14 unit accessory weights

Unit accessory	Weights (lb)
Flue extension kit (1FE0414)	15
Flue extension kit (1FE0415)	17
Flue extension kit (1FE0416)	19
Curb rigid 14 in. small footprint	145
Curb rigid 14 in. large footprint	135
Curb rigid 24 in. small footprint	135
Curb rigid 24 in. large footprint	135

ZQ04-06, ZXA7, ZY04-12, ZL04-06 and ZL08-14 unit dimensions

Figure 10: ZQ04-05, ZL04 and ZY04

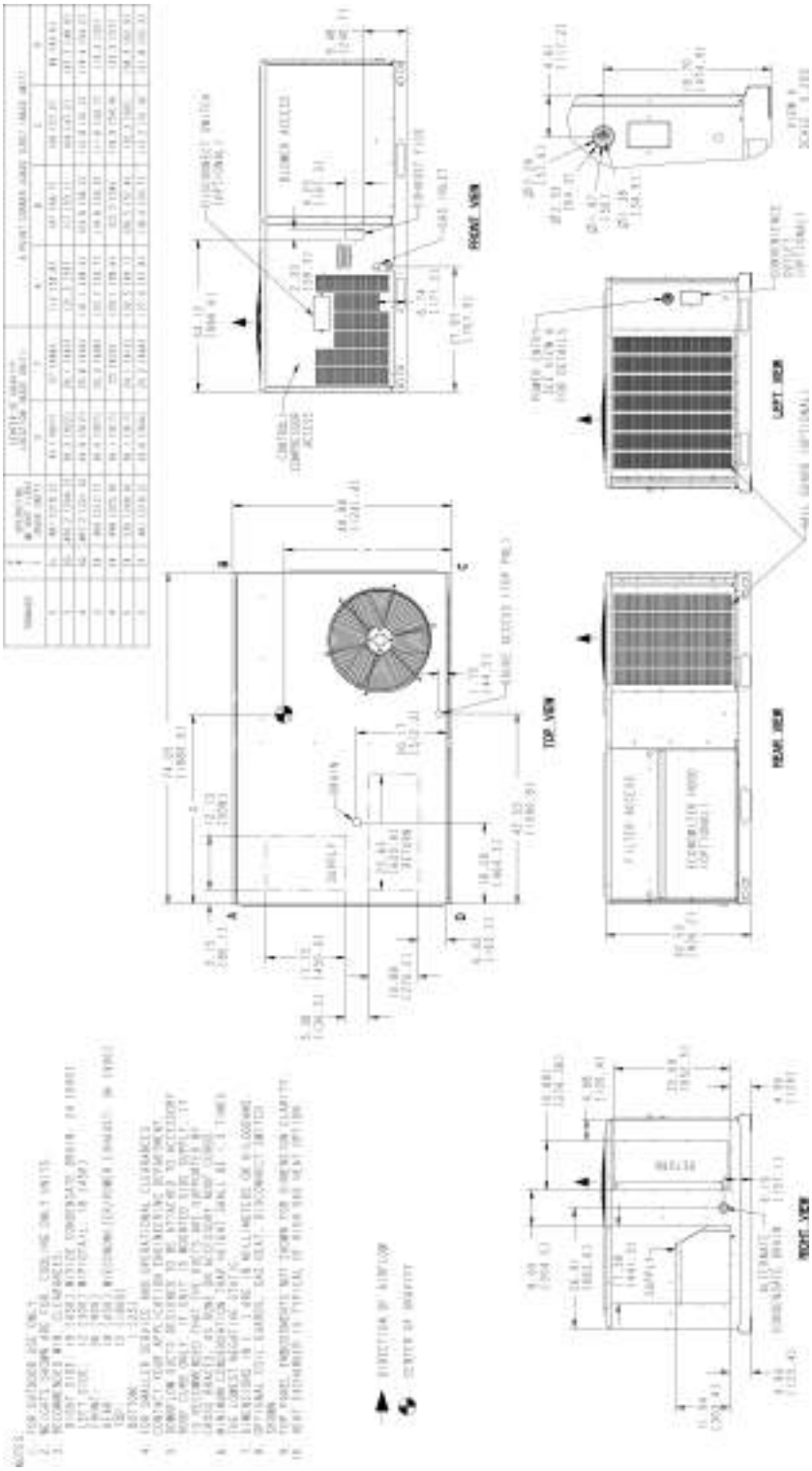


Figure 11: ZQ06, ZXA7, ZL05-06 and ZY05-06

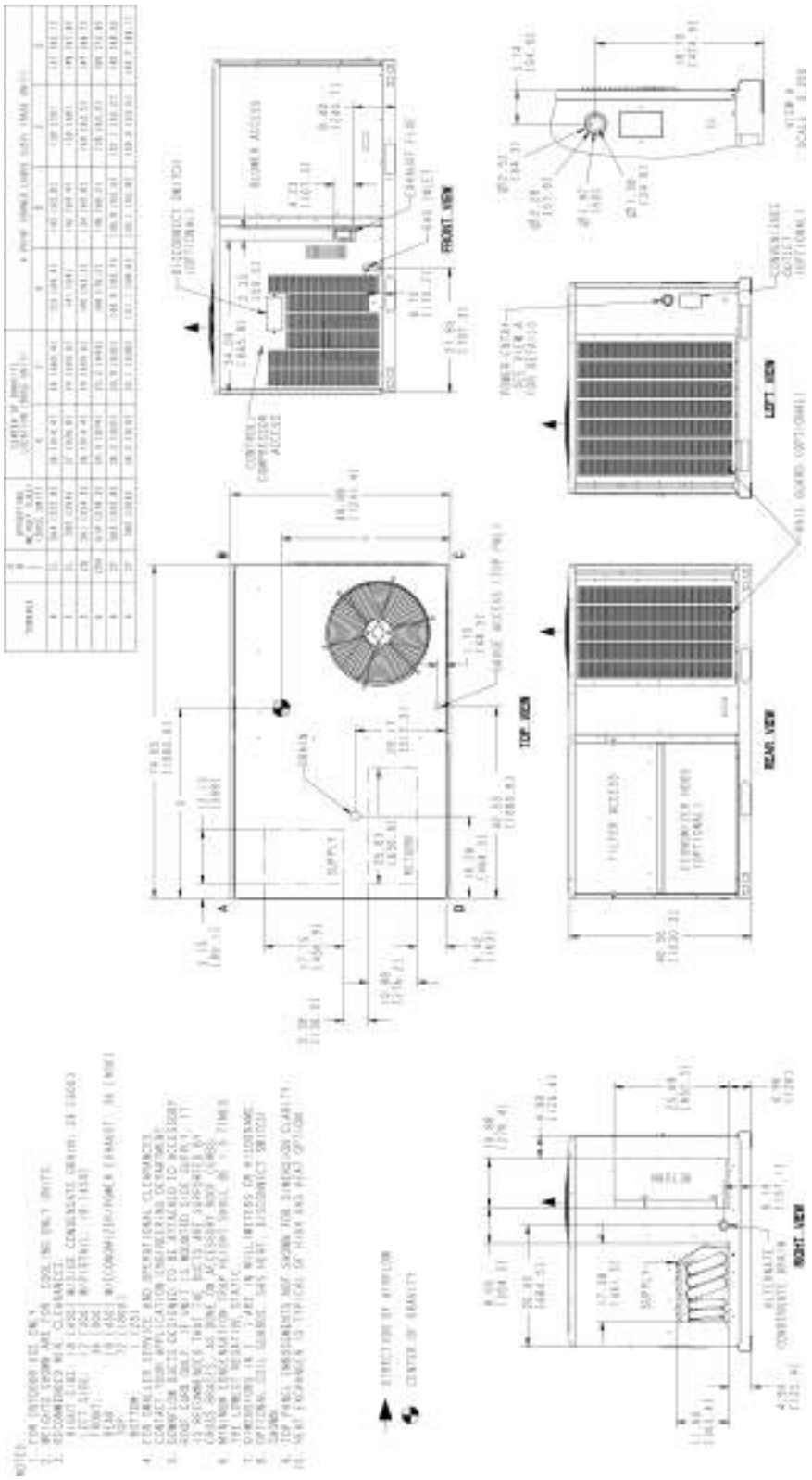


Figure 12: ZYA7

Figure 13: ZY08-09 and ZL08-09

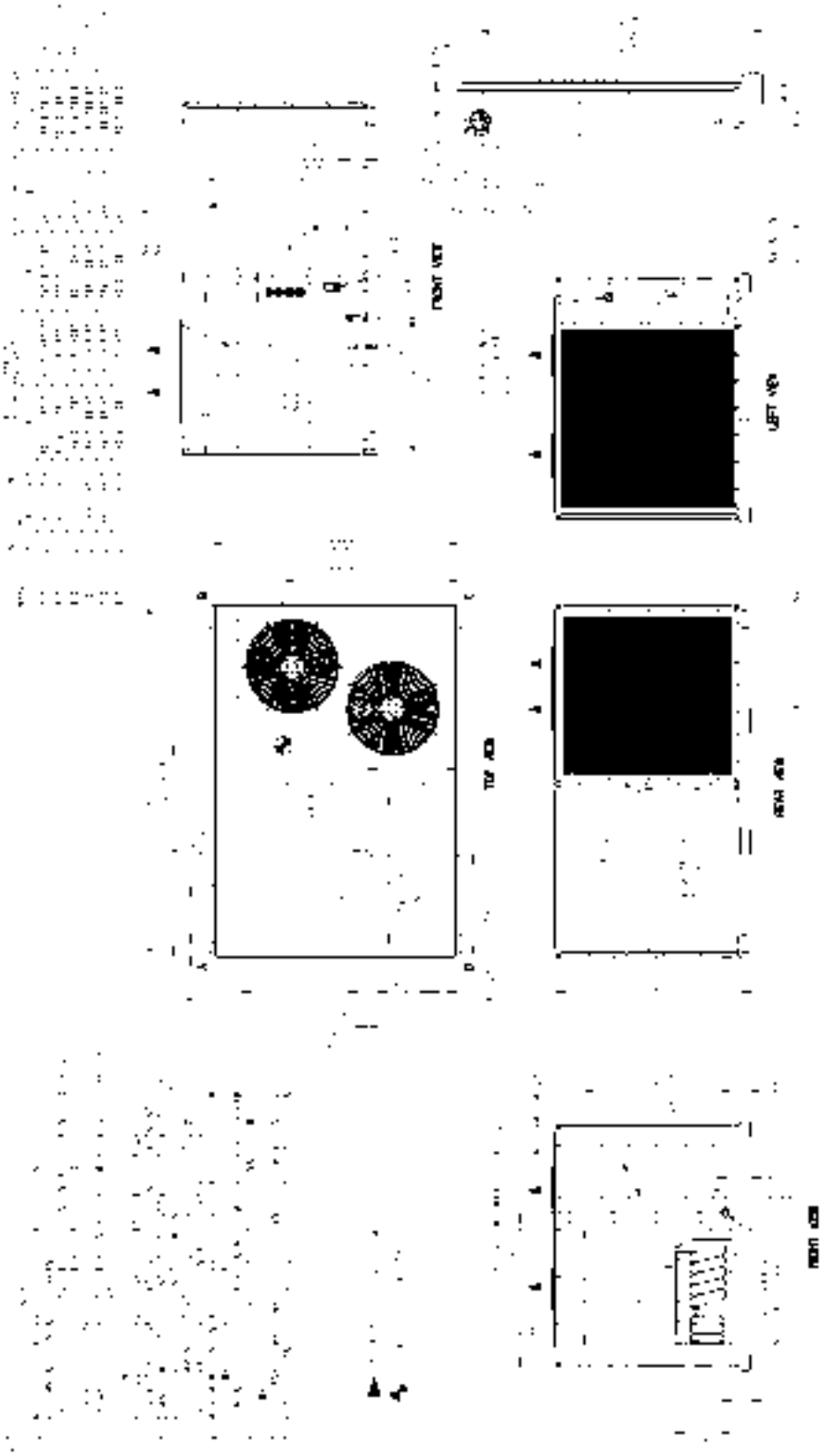


Figure 14: ZY12 and ZL 12-14

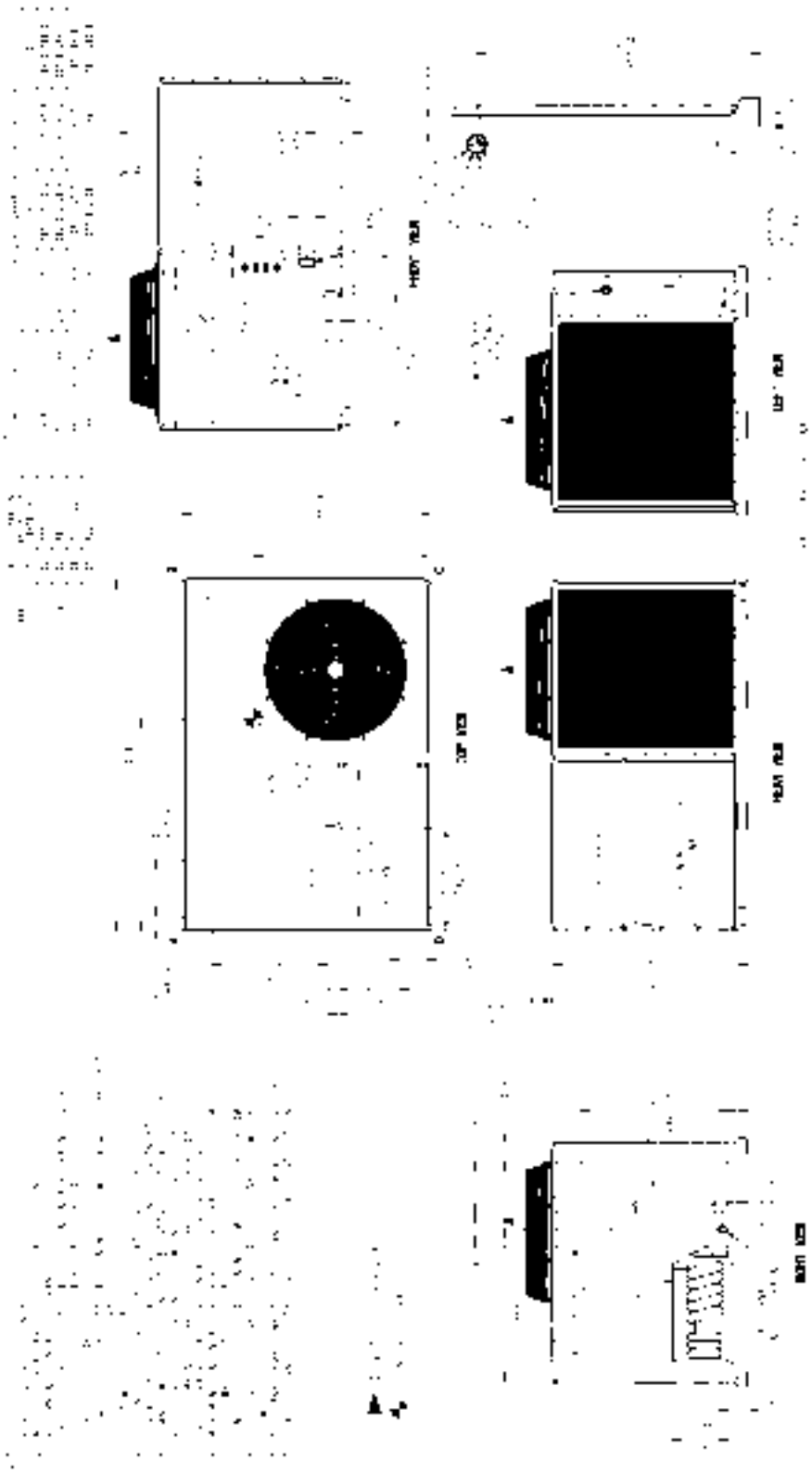


Table 191: ZQ04-06, ZXA7, ZL04-06 and ZY04-06 unit clearances

Direction	Distance (in.)	Direction	Distance (in.)
Top[1]	72	Right	18
Front	36	Left	12
Rear	18[2]/36[3]	Bottom[4]	1

1 Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
2 Units without economizer or power exhaust.
3 Units equipped with an economizer or power exhaust. Flue products must not be discharged within 10 ft of the rear of the unit.
4 Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.

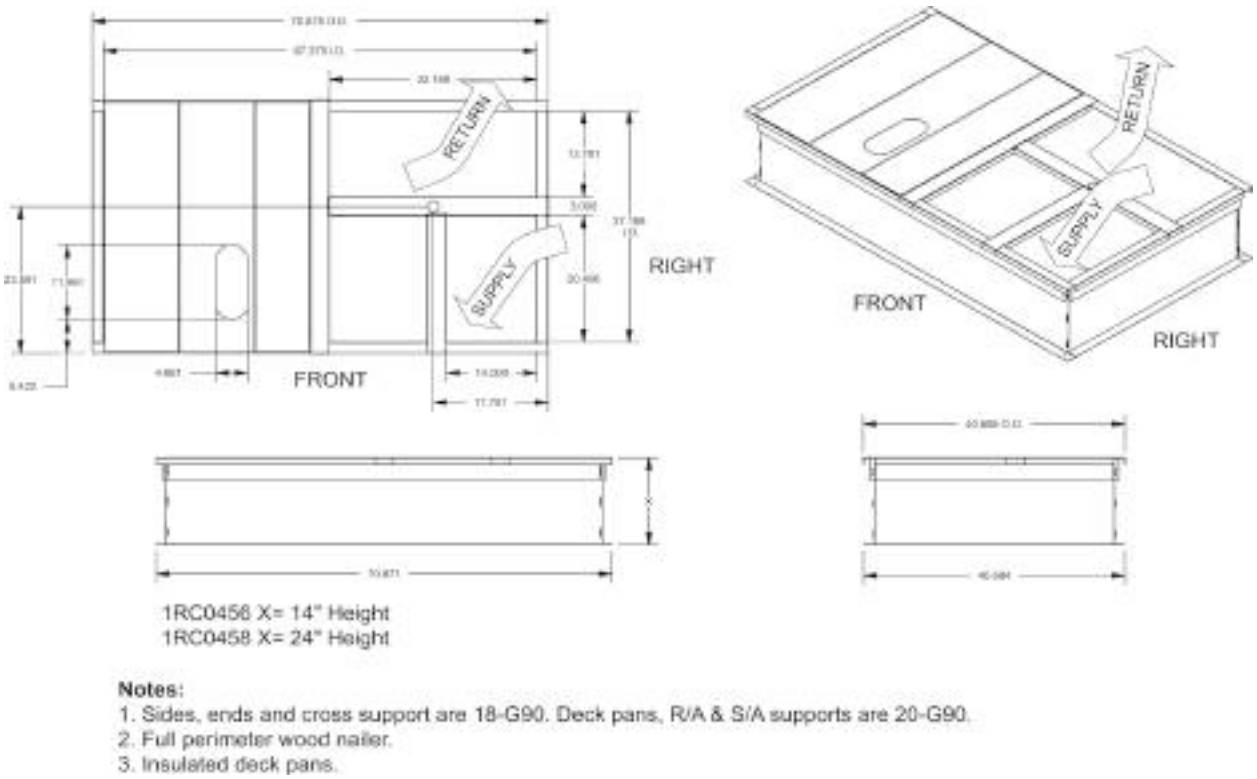
Table 192: ZYA7 and ZL08-14 unit clearances

Direction	Distance (in.)	Direction	Distance (in.)
Top[1]	72	Right	18
Front	48	Left	12
Rear	18[2]/36[3]	Bottom[4]	1

1 Units must be installed outdoors. Over hanging structure or shrubs should not obscure condenser air discharge outlet.
2 Units without economizer or power exhaust.
3 Units equipped with an economizer or power exhaust. Flue products must not be discharged within 10 ft of the rear of the unit.
4 Units may be installed on combustible floors made from wood or class A, B or C roof covering materials.

ZQ04-06, ZXA7, ZY04-12, ZL04-06 and ZL08-14 unit roof curb dimensions

Figure 15: 1RC0456, 1RC0458 roof curb dimensions



Notes:
1. Sides, ends and cross support are 18-G90. Deck pans, R/A & S/A supports are 20-G90.
2. Full perimeter wood nailer.
3. Insulated deck pans.

Table 193: Unit models used with 1RC0456, 1RC0458 roof curb

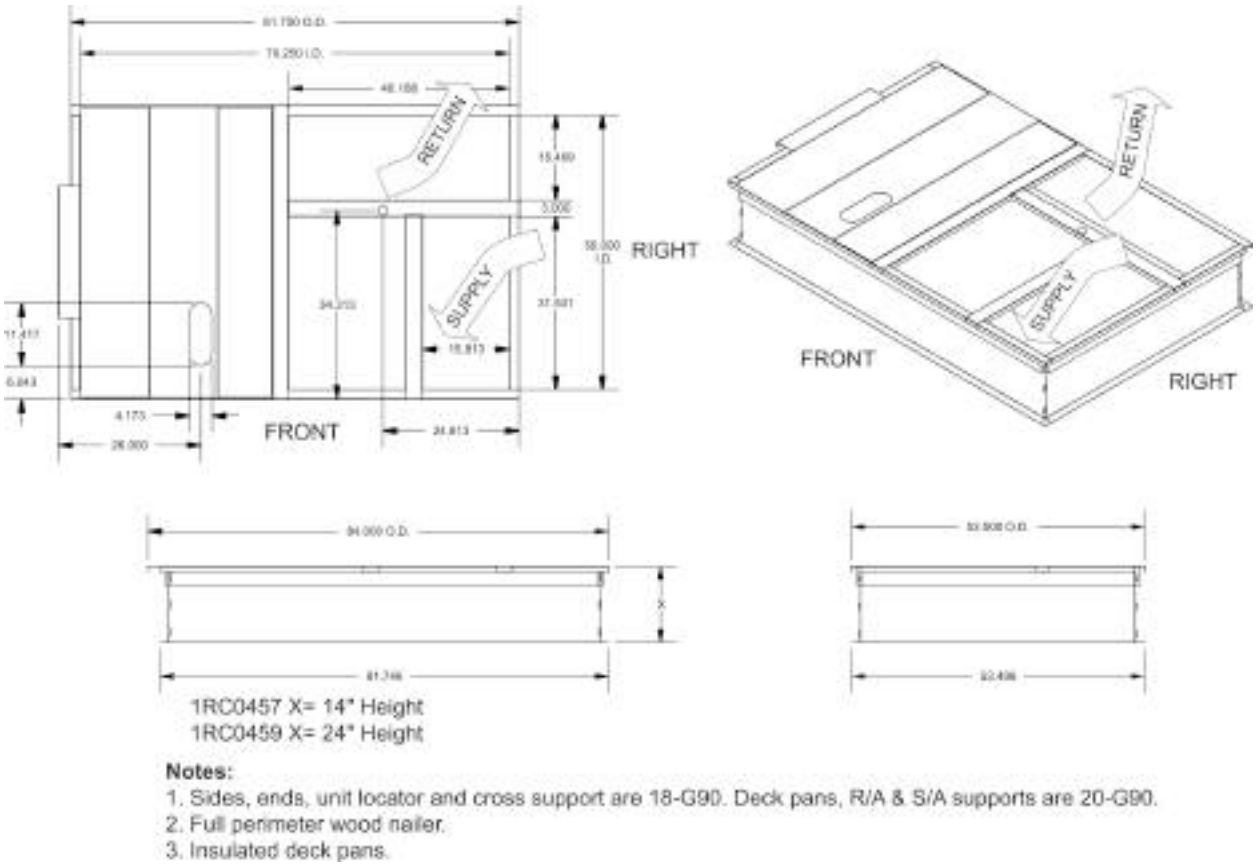
• ZQ04	• ZXA7	• ZY04	• ZL04
• ZQ05		• ZY05	• ZL05
• ZQ06		• ZY06	• ZL06

ⓘ **Note:** If utilities are required through the base of the unit or through the roof curb the following field installed accessories can be purchased through your dealer or contractor.

ⓘ **Note:** 1TB0401 - Thru the base electrical and through the curb gas

1TB0403 - Thru the base electrical and gas

Figure 16: 1RC0457, 1RC0459 roof curb dimensions



Notes:
1. Sides, ends, unit locator and cross support are 18-G90. Deck pans, R/A & S/A supports are 20-G90.
2. Full perimeter wood nailer.
3. Insulated deck pans.

Table 194: Unit models used with 1RC0457, 1RC0459 roof curb

- ZYA7
- ZY08
- ZY09
- ZY12
- ZL08
- ZL09
- ZL12
- ZL14

Note: If utilities are required through the base of the unit or through the roof curb the following field installed accessories can be purchased through your dealer or contractor:

Note: 1TB0402 - Through the base electrical and through the curb gas,

1TB0404 - Through the base electrical and gas

Economizer options

Table 195: Economizer usage

Application	Description	Accessory kit number
Economizer vertical flow Everyday Thermostat Control	Econ, DB, vertical flow, small footprint w/barometric relief	2EE04706725
	Econ, DB, vertical flow, large footprint w/barometric relief	2EE04706825
Economizer vertical flow Smart Equipment Control	Econ, DB, vertical flow, small footprint	2EE04706724
	Econ, DB, vertical flow, large footprint	2EE04706824
Economizer horizontal flow Everyday Thermostat Control	Econ, DB, horizontal flow, small footprint, short cabinet w/barometric relief	2EE04707025
	Econ, DB, horizontal flow, small footprint, Tall cabinet w/barometric relief	2EE04707125
	Econ, DB, horizontal flow, large footprint, short cabinet w/barometric relief	2EE04707225
	Econ, DB, horizontal flow, large footprint, tall cabinet w/barometric relief	2EE04707325
Economizer horizontal flow Smart Equipment Control	Econ, DB, horizontal flow, small footprint, short cabinet	2EE04707024
	Econ, DB, horizontal flow, small footprint, tall cabinet	2EE04707124
	Econ, DB, horizontal flow, large footprint, short cabinet	2EE04707224
	Econ, DB, horizontal flow, large footprint, tall cabinet	2EE04707324
Power exhaust vertical flow	Power exhaust vert flow small footprint 208 V-230 V 1-ph	2PE04704206
	Power exhaust vert flow small footprint 208 V-230 V 3-ph	2PE04704225
	Power exhaust vert flow small footprint 460 V 3-ph	2PE04704246
	Power exhaust vert flow small footprint 575 V 3-ph	2PE04704258
	Power exhaust vert flow large footprint 208 V-230 V 1-ph	2PE04704306
	Power exhaust vert flow large footprint 208 V-230 V 3-ph	2PE04704325
	Power exhaust vert flow large footprint 460 V 3-ph	2PE04704346
	Power exhaust vert flow large footprint 575 V 3-ph	2PE04704358
Power Exhaust Horizontal Flow	Power exhaust horiz flow small footprint 208 V-230 V 1-ph	2PE04704406
	Power exhaust horiz flow small footprint 208 V-230 V 3-ph	2PE04704425
	Power exhaust horiz flow small footprint 460 V 3-ph	2PE04704446
	Power exhaust horiz flow small footprint 575 V 3-ph	2PE04704458
	Power exhaust horiz flow large footprint 208 V-230 V 1-ph	2PE04704506
	Power exhaust horiz flow large footprint 208 V-230 V 3-ph	2PE04704525
	Power exhaust horiz flow large footprint 460 V 3-ph	2PE04704546
	Power exhaust horiz flow large footprint 575 V 3-ph	2PE04704558

Figure 17: Field Installed vertical flow economizer

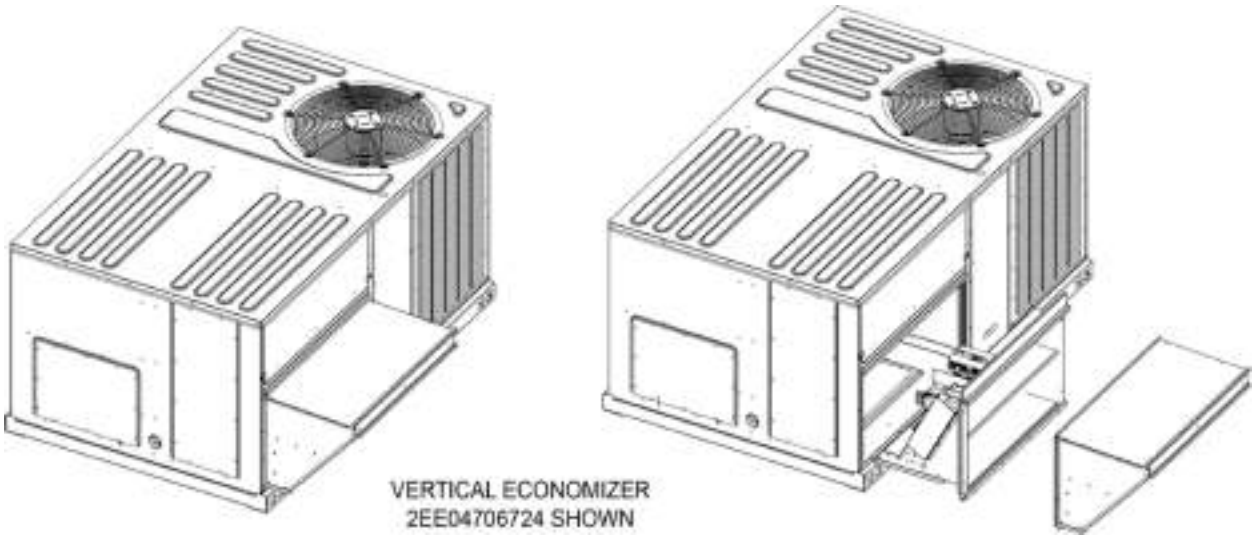


Figure 18: Field installed vertical flow economizer w/power exhaust

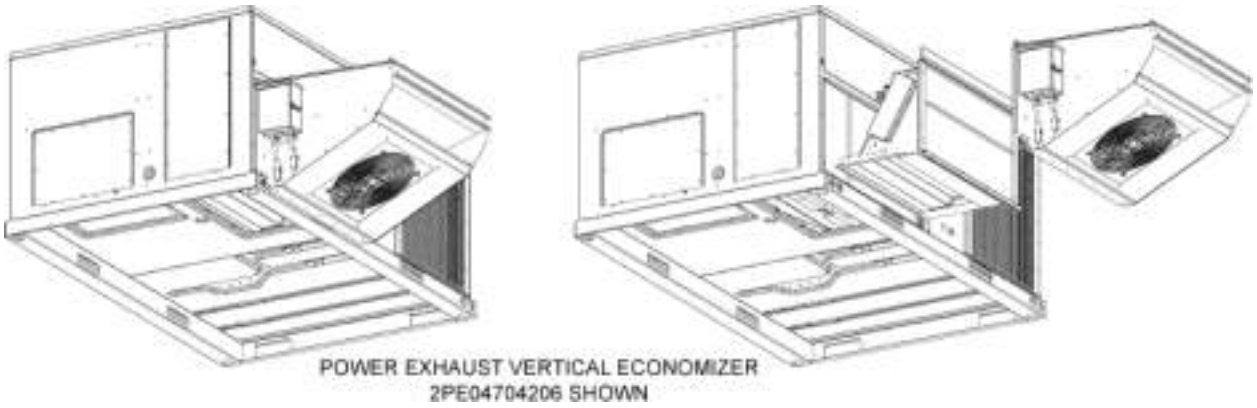


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Figure 19: Field installed horizontal flow economizer

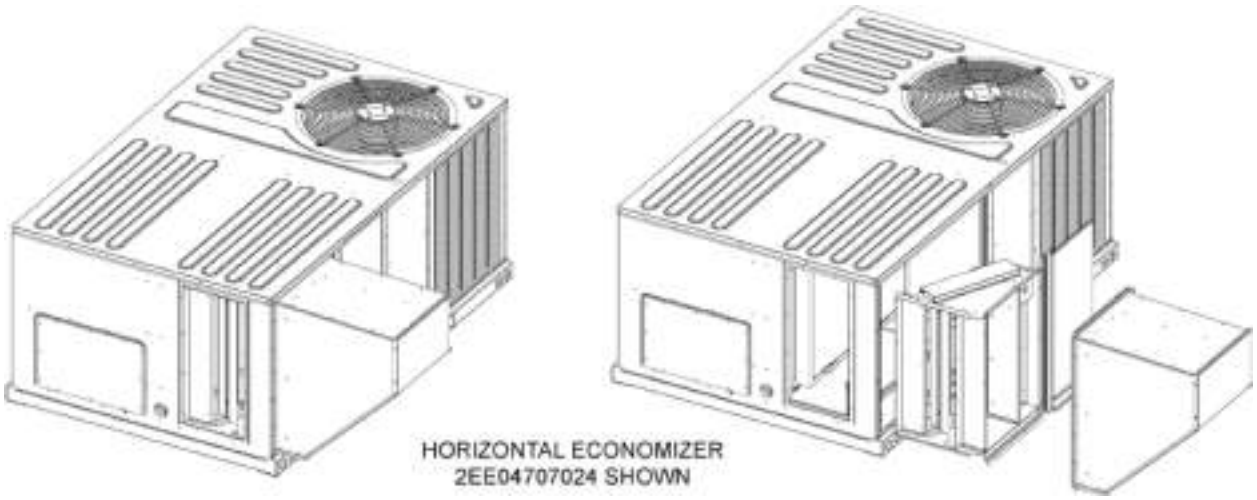
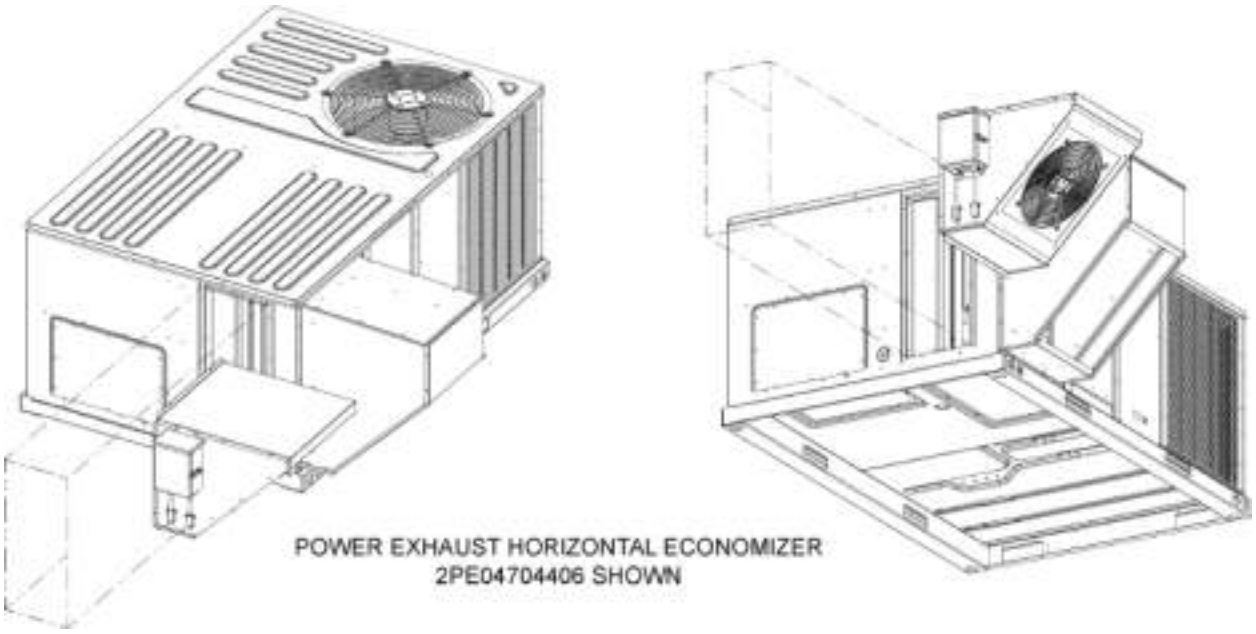


Figure 20: Field installed horizontal flow economizer w/power exhaust



Guide specifications

DUCTED SYSTEMS GUIDE MECHANICAL SPECIFICATIONS
SINGLE PACKAGE AIR CONDITIONERS

3 THRU 12-1/2 NOMINAL TONS

Ducted Systems Core SERIES

Size Range:3 to 12-1/2 Tons Nominal Cooling

45,000 to 200,000 BTUH Nominal Gas Heating Output

Model Series: ZQ, ZX, ZY & ZL

DIVISION 23 – HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

Number **Title**

23 00 00 HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

23 06 80 Schedules for Decentralized HVAC Equipment

23 06 80.13 Decentralized Unitary HVAC Equipment Schedule

23 06 80.13.A. Rooftop unit schedule

1. Schedule is per the project specification requirements.

23 07 16 HVAC Equipment Insulation

23 07 16.13.C. Economizer and Control compartment:

1. Interior cabinet surfaces shall be insulated with a minimum 1/2 in. thick, foil faced fiber glass insulation with thermal conductivity of 0.24 or better, adhered with acrylate polymer based adhesive
2. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.

23 09 13 Instrumentation and Control Devices for HVAC

23 09 13.23 Sensors and Transmitters

23 09 13.23.A. Thermostats

1. Thermostat must
   a. Energize "Y" when calling for cooling and "W" when calling for heating.
   b. Shall have capability to energize 2 stages of cooling and 2 stages of heating.

23 09 23 Direct-digital Control system for HVAC

23 09 23.13 Decentralized, Rooftop Units:

23 09 23.13.B. ETC Control)

1. Unit shall be complete with self-contained low-voltage control circuit protected by a resettable circuit breaker on the 24-volt transformer side.
2. Unit shall incorporate a lockout circuit which provides reset capability at the space thermostat or base unit, should any of the following standard safety devices trip and shut off compressor.
3. Loss-of-charge/Low-pressure switch.
4. High-pressure switch.
5. Freeze-protection thermostat, evaporator coil.

7. Unit shall operate with conventional thermostat designs and have a low voltage terminal strip for easy hook-up.
8. Unit control board shall have on-board diagnostics and fault code display.
9. Standard controls shall include anti-short cycle and low voltage protection, and permit cooling operation down to 0°F.
10. Control board shall monitor each refrigerant safety switch independently.
11. Control board shall retain last 5 fault codes in nonvolatile memory which will not be lost in the event of a power loss.

23 09 33 Electric and Electronic Control System for HVAC

23 09 33.13 Decentralized, Rooftop Units: 23 09 33.13.A. General:

1. Shall be complete with self contained low voltage control circuit protected by a resettable circuit breaker on the 24 v transformer side. Transformer shall have 75VA capability.
2. Shall utilize color coded wiring.
3. Shall include a central control terminal board to conveniently and safely provide connection points for vital control functions such as: smoke detectors, economizer, thermostat, and low and high pressure switches.
4. The heat exchanger shall be controlled by an integrated gas controller (IGC) microprocessor. See heat exchanger section of this specification.

23 09 33.23.B. Safeties:

1. Compressor over temperature, over current. High internal pressure differential.
2. Low pressure switch and high pressure switch
    a. Low pressure switch shall use different color wire than the high pressure switch. The purpose is to assist the installer and service technician to correctly wire and or troubleshoot the rooftop unit.
3. Automatic reset, motor thermal overload protector.
4. Heating section shall be provided with the following minimum protections:
    a. High temperature limit switches.
    b. Induced draft pressure sensor.
    c. Flame rollout switch (except Ultra-Low NOx (ULN) models).
    d. Flame proving controls.

23 40 13 Panel Air Filters

23 40 13.13 Decentralized, Rooftop Units:

23 40 13.13.A. Standard filter section

1. Shall consist of factory installed, low velocity, disposable 1 in. thick fiberglass filters of commercially available sizes.
2. Units can accept 1" or 2" filters and have a field convertible tool less transition.
3. Filters shall be accessible through an access panel; hinged panel with "no tool" removal option is available as described in the unit cabinet section of this specification (23 81 19.13.H).

238119 Self Contained Air Conditioners

23 81 19.13 Small Capacity Self Contained Air Conditioners

23 81 19.13.A. General

1. Outdoor, rooftop mounted, electrically controlled, heating and cooling unit utilizing a fully hermetic, suction gas cooled, direct drive compressor(s) for cooling duty and gas combustion or nickel chromium elements for heating duty.
2. Factory assembled, single piece heating and cooling rooftop unit. Contained within the unit enclosure shall be all factory wiring, piping, controls, and special features required prior to field start up.
3. Unit shall use environmentally sound, R-410A refrigerant.
4. Unit shall be installed in accordance with the manufacturer's instructions.
5. Unit must be selected and installed in compliance with local, state, and federal codes.

23 81 19.13.B. Quality Assurance

1. Unit meets ASHRAE 90.1 minimum efficiency requirements.
2. Unit shall be rated in accordance with AHRI Standards 210/240 or 340/360.
3. Unit shall be designed to conform to ASHRAE 15, 2001.
4. Unit shall be UL tested and certified in accordance with ANSI Z21.47 -2012/CSA 2.3-2012, CSA C22.2 No. 236-11 (UL 1995) 4th edition and CSA C22.2 No. 3 - M 1988.
5. Insulation and adhesive shall meet NFPA 90A requirements for flame spread and smoke generation.
6. Unit casing shall be capable of withstanding 1000 hour salt spray exposure per ASTM B117 (scribed specimen).
7. Unit shall be designed in accordance with ISO 9001, and shall be manufactured in a facility registered by ISO 9001.
8. Roof curb shall be designed to conform to NRCA Standards.
9. Unit shall be subjected to a completely automated run test on the assembly line. The data for each unit will be stored at the factory, and must be available upon request.
10. Unit shall be designed in accordance with UL Standard 1995, including tested to withstand rain.
11. Unit shall be constructed to prevent intrusion of snow and tested to prevent snow intrusion into the control box
12. Unit shake tested to assurance Truck 2, ASTM D4169 to ensure shipping reliability.

23 81 19.13.C. Delivery, Storage, and Handling

1. Unit shall be stored and handled per manufacturer's recommendations.
2. Overhead crane can be used to place the units on a roof using rigging holes built into the unit base rails without any additions to the unit.
3. Unit shall only be stored or positioned in the upright position.

23 81 19.13.E. Project Conditions

As specified in the contract.

23 81 19.13.F. Operating Characteristics

1. Unit shall be capable of starting and running at 125°F (52°C) ambient outdoor temperature, meeting maximum load criteria of AHRI Standard 210/240 or 340/360 at ± 10% voltage.
2. Compressor with standard controls shall be capable of operation down to 30°F (-1°C), ambient outdoor temperatures.
3. Unit shall discharge supply air vertically or horizontally as shown on contract drawings.
4. Unit shall be factory configured for vertical supply & return configurations.
5. Unit shall be field convertible from vertical to horizontal airflow on all models.
6. Unit shall be capable of mixed operation: vertical supply with horizontal return or horizontal supply with vertical return.

23 81 19.13.I. Gas Heat

1. General
    a. Heat exchanger shall be an induced draft design. Positive pressure heat exchanger designs shall not be allowed.
    b. Shall incorporate a direct spark ignition system and redundant main gas valve.
    c. Gas supply pressure at the inlet to the rooftop unit gas valve must match that required by the manufacturer.
2. The heat exchanger shall be controlled by an integrated gas controller (IGC) microprocessor.
    a. IGC board shall notify users of fault using an LED (light emitting diode).
    b. The LED shall be visible without removing the control box access panel.
    c. IGC board shall contain algorithms that modify evaporator fan operation to prevent future cycling on high temperature limit switch.
    d. Unit shall be equipped with anti cycle protection with one short cycle on unit flame rollout switch

or 4 continuous short cycles on the high temperature limit switch. Fault indication shall be made using an LED.

3. Standard Heat Exchanger construction
    a. Heat exchanger shall be of the tubular section type constructed of a minimum of 20 gauge steel coated with a nominal 1.2mil aluminum silicone alloy for corrosion resistance.
    b. Burners shall be of the in shot type constructed of aluminum coated steel. **Note:** Burners for Ultra-Low NOx models are pre-mix type.
    c. Burners shall incorporate orifices for rated heat output up to 2000 ft. (610m) elevation. Additional accessory kits may be required for applications above 2000 ft. (610m) elevation, depending on local gas supply conditions.
    d. Each heat exchanger tube shall contain multiple dimples for increased heating effectiveness.
4. Optional Stainless Steel Heat Exchanger construction
    a. Use energy saving, direct spark ignition system.
    b. Use a redundant main gas valve.
    c. Burners shall be of the in shot type constructed of aluminum coated steel. **Note:** Burners for Ultra-Low NOx models are pre-mix type.
    d. All gas piping shall enter the unit cabinet at a single location on side of unit (horizontal plane).
    e. The optional stainless steel heat exchanger shall be of the tubular section type, constructed of a minimum of 20 gauge type 409 or 439 stainless steel.
    f. Type 409 or 439 stainless steel shall be used in heat exchanger tubes and vestibule plate.
5. Optional Low NOx Heat Exchanger construction
    a. Low NOx reduction shall be provided to reduce nitrous oxide emissions to meet California's Air Quality Management District (SCAQMD) low NOx emissions requirement of 40 nanograms per joule or less.
    b. Ultra-Low NOx (ULN) models shall meet current SCAQMD NOx emissions requirement of 14 nanograms per joule or less.
6. Induced draft combustion motor and blower
    a. Shall be a direct drive, single inlet, forward curved centrifugal type.
    b. Shall be made from steel with a corrosion resistant finish.
    c. Shall have permanently lubricated sealed bearings.
    d. Shall have inherent thermal overload protection.
    e. Shall have an automatic reset feature.

23 81 19.13.L. Refrigerant Circuits

1. All units shall have one or two refrigerant circuits.
2. Refrigerant circuit shall include the following control, safety, and maintenance features:
    1. Refrigerant filter drier Solid core design.
    2. Service gauge connections on suction and discharge lines.
3. Compressors
    1. Unit shall use fully hermetic, scroll compressors for each independent refrigeration circuit.
    2. Compressor motors shall be cooled by refrigerant gas passing through motor windings.
    3. Compressors shall be internally protected from high discharge temperature conditions.
    4. Compressors shall be protected from an over temperature and over amperage conditions by an internal, motor overload device.
    5. Compressor shall be factory mounted on rubber grommets.
    6. Compressor motors shall have internal line break thermal, current overload and high pressure differential protection.
    7. All non-Scroll compressors include Crankcase heaters.

23 81 19.13.M.Filter Section

1. Filters access is specified in the unit cabinet section of this specification.

23 81 19.13.N. Evaporator Fan and Motor

1. Evaporator fan motor:
    a. Shall have permanently lubricated ball-bearings.
    b. Shall have inherent automatic reset thermal overload protection.
    c. The job site selected brake horsepower shall be required to not exceed the motor's nameplate horsepower rating plus the service factor.
2. Evaporator Fan:
    a. Fan shall be a factory installed direct-drive (optional) or standard belt drive assembly with an adjustable pitch motor pulley.
    b. Shall use sealed, permanently lubricated ball
    c. Blower fan shall be double inlet type with forward curved blades.
    d. Shall be constructed from steel with a corrosion resistant finish and dynamically balanced.

23 81 19.13.O. Multi-speed Fan Control

1. IntelliSpeed staged air volume system:
    a. Fan speed shall be matched with staging of compressor operation.
2. Variable Frequency Drive (VFD):
    a. Shall contain a variable frequency drive tied to the evaporator fan motor.
    b. Shall be installed inside the unit cabinet, mounted, wired and tested.
    c. Shall contain Electromagnetic Interference (EMI) frequency protection.
    d. Insulated Gate Bi Polar Transistors (IGBT) used to produce the output pulse width modulated (PWM) waveform.
    e. Built in LED display and controls. Does not require additional kit or options.
    f. RS485 capability standard.
    g. Electronic thermal overload protection.
    h. 5% swinging chokes for harmonic reduction and improved power factor.
    i. All printed circuit boards shall be conformal coated.

23 81 19.13.P. Condenser Fans and Motors

1. Condenser fan motors:
    a. Shall be a totally enclosed motor.
    b. Shall use permanently lubricated ball-bearings.
    c. Shall have inherent thermal overload protection with an automatic reset feature.
    d. Shall use a shaft down design.
2. Condenser Fans:
    a. Shall be a direct driven propeller type fan.
    b. Shall have aluminum blades riveted to corrosion resistant steel spider brackets and be dynamically balanced.

23 81 19.13.Q. Special Features Options and Accessories

1. Standard Integrated Economizer:
    a. Integrated, gear driven opposing modulating blade design type capable of simultaneous economizer and compressor operation.
    b. Independent modules for vertical or horizontal return configuration shall be available. Vertical return modules shall be available as a factory installed option.
    c. Damper blades shall be galvanized steel with metal gears. Plastic or composite blades on intake or return shall not be acceptable.
    d. Damper blades shall be class 1A dampers.
    e. Shall include all hardware and controls to provide free cooling with outdoor air when temperature and/or humidity are below set points.
    f. Shall be equipped with gear driven dampers for both the outdoor ventilation air and the return air for

positive air stream control.

g. Economizer shall comply with, and be certified to, the AMCA 511 standard.

h. Standard leak rate shall be equipped with dampers not to exceed 3 cfm/ft2 leakage at 1 in. wg pressure differential.

i. Johnson Controls RRS Economizer shall be the field installed option for units equipped with the ETC controller

    1. On board Fault Detection and Diagnostics (FDD) that senses and alerts when the economizer is not operating properly, meets the requirements for California Title 24, IECC 2015, and ASHRAE 90.1
    2. Display alarms if the following occur
        i. Economizer is economizing when conditions do not support
        ii. Economizer is not economizing when conditions do support
        iii. Damper Stuck
        iv. Excess Outdoor Air
        v. Failed Sensor
    3. Automatic sensor detection
    4. Capabilities for use with multiple speed indoor fan systems
    5. Utilize digital sensors: Dry bulb and Enthalpy
    6. UL, CSA, and ICES-003 recognized and FCC compliant to CFR47

j. Shall be capable of introducing up to 100% outdoor air.

k. Shall be equipped with a barometric relief damper capable of relieving up to 100% return air and contain seals that meet ASHRAE 90.1 requirements. Barometric relief can be replaced by optional power exhaust.

l. Shall be designed to close damper(s) during loss of power situations with spring return built into motor.

m. Dry bulb outdoor air temperature sensor shall be provided as standard. Enthalpy sensor is also available on factory installed only. Outdoor air sensor set point shall be adjustable and shall range from 40° to 80°F / 4° to27°C. Additional sensor options shall be available as accessories.

n. The economizer controller shall also provide control of an accessory power exhaust unit function. Factory set at 100%, with a range of 0% to 100%.

o. The economizer shall maintain minimum airflow into the building during occupied period and provide design ventilation rate for full occupancy.

p. Dampers shall be completely closed when the unit is in the unoccupied mode.

q. Economizer controller shall accept a 2 10 Vdc CO2 sensor input for IAQ/DCV control. In this mode, dampers shall modulate the outdoor air damper to provide ventilation based on the sensor input.

r. Actuator shall be direct coupled to economizer gear. No linkage arms or control rods shall be acceptable.

s. Economizer controller shall provide indications when in free cooling mode, in the DCV mode, or the exhaust fan contact is closed.

2. Barometric Relief Kit
    a. Shall contain all materials necessary to field install a barometric relief damper capable of relieving up to 100% return air and contain seals that meet ASHRAE 90.1 requirements.
3. Manual Fresh Air Damper
    a. Shall contain all materials necessary to field install a manual fresh air damper.
    b. Shall include a slide-in damper assembly with an outdoor hood and filters.
    c. Shall be available with either a range of 0%-100% outdoor air entry or 0%-35% outdoor air entry.
4. Motorized Damper
    a. Damper shall be a Two Position Damper. Damper travel shall be from the full closed position to the field adjustable % open setpoint.

b. Damper shall include adjustable damper travel from 0% to 100% (full open).
c. Damper shall include single or dual blade, gear driven dampers and actuator motor.
d. Actuator shall be direct coupled to damper gear. No linkage arms or control rods shall be acceptable.
e. Damper will admit up to 100% outdoor air for applicable rooftop units.
f. Damper shall close upon indoor (evaporator) fan shutoff and/or loss of power.
g. The damper actuator shall plug into the rooftop unit's wiring harness plug. No hard wiring shall be required.
h. Outside air hood shall include aluminum water entrainment filter.

5. Manual damper
   a. Manual damper package shall consist of damper, air inlet screen, and rain hood which can be preset to admit up to 25 or 50% outdoor air for year round ventilation.
6. Propeller Power Exhaust:
   a. Power exhaust shall be used in conjunction with an integrated economizer.
   b. Horizontal power exhaust shall be mounted in return ductwork.
   c. Power exhaust shall be controlled by economizer controller operation. Exhaust fans shall be energized when dampers open past the 0 100% adjustable set point on the economizer control.
7. Single Enthalpy Sensor Kit
   a. The single enthalpy sensor kit shall provide a relative humidity sensor to be mounted in the outdoor air stream to provide single enthalpy economizer control
   b. The sensor allows the unit to determine if outside air is suitable for free cooling.
8. Dual Enthalpy Sensor Kit:
   a. The dual enthalpy sensor kit shall provide 2 relative humidity sensors to be mounted in the return and outdoor air streams to provide dual enthalpy economizer control.
   b. This kit contains all components required for dual enthalpy control and does not need to be used in conjunction with the Single Enthalpy Sensor Kit.
9. CO2 Sensor:
   a. Shall be able to provide demand ventilation control for indoor air quality (IAQ) or outdoor air quality (OAQ).
   b. The CO2 sensor shall be available in duct mount or wall mount with LED display.
   c. The set-points for IAQ and OAQ shall have adjustment capability between 0 and 5000 ppm in the RRS Economizer controls.
10. Smoke detectors:
    a. Shall be a Four Wire Controller and Detector.
    b. Shall be environmental compensated with differential sensing for reliable, stable, and drift free sensitivity.
    c. Shall use magnet activated test/reset sensor switches.
    d. Shall have a recessed momentary switch for testing and resetting the detector.
    e. Controller shall include:
       1. One set of normally open alarm initiation contacts for connection to an initiating device circuit on a fire alarm control panel.
       2. Two Form C auxiliary alarm relays for interface with rooftop unit or other equipment.
       3. One Form C supervision (trouble) relay to control the operation of the Trouble LED on a remote test/reset station.
       4. Capable of direct connection to two individual detector modules.
       5. Can be wired to up to 49 other duct smoke detectors for multiple fan shutdown applications