



The new degree of comfort.™



Air

Package Heat Pump
RHPD Series

Commercial 7.5-10 Ton Renaissance™ Line Package Heat Pump



RHPDZT Commercial *Prestige*® Series

Nominal Sizes 7.5, 8.5 & 10 Tons

Standard VFD Technology

ASHRAE 90.1-2013 Compliant Models



INTEGRATED AIR & WATER

FORM NO. P11-815 REV. 9

TABLE OF CONTENTS

Unit Features and Benefits	3-10
Model Number Identification	11
Options	12
Selection Procedure	13
General Data	14-18
General Data Notes	19
Gross Systems Performance Data	20-25
Airflow Performance Data	26-37
Electrical Data	38-40
Electric Heater Kits	41-45
Dimensional Data	46-48
Field Installed Accessories	49-71
Guide Specifications	72-77
Limited Warranty	78



	Single-Stage Cooling	Two-Stage Cooling	2018 DOE Efficiency Standards Compliant	2023 DOE Efficiency Standards Compliant	VFD Technology
Commercial <i>Prestige</i> ® Series (RHPDZT)		X	X	X	X

RHPD STANDARD FEATURES INCLUDE:

- Factory charged with R-410A HFC refrigerant
- Wired and run tested
- Scroll compressors with internal line break overload and high pressure protection
- Models have two-stage compressor
- Convertible airflow – vertical down flow or horizontal side flow
- Forkable base rails for easy handling and lifting
- Cooling operation up to 125°F ambient
- MicroChannel evaporator and condenser coil
- PlusOne® ServiceSmart package includes:
Qwik-Change Flex-Fit Rack™
Qwik-Slide Blower Assembly™
Qwik-Clean Drain Pan™
- Overflow condensate sensor
- PlusOne® Diagnostics with Dual 7-Segment LED Display to meet code compliance
- One-piece top cover and base pan with drawn supply and return opening
- Two-piece control door
- ¼ turn fasteners on filter access door
- Color-coded and labeled wiring
- External lockable gauge ports
- TXV refrigerant metering system
- Solid-core liquid line filter drier
- High pressure and low pressure/loss of charge protection with built in Smart Logic
- Insulation encapsulated throughout entire unit
- High performance belt drive motor with variable pitch pulleys and quick adjust belt system
- Variable Frequency Drive (VFD) blower is standard
- New product footprint with matching connections
- Improved factory lead times
- MERV 8 & MERV 13 filters are available as an accessory.

FACTORY INSTALLED OPTIONS:

- Louvered panels
- Hinged access doors
- Low ambient/freeze stat
- Non-powered convenience outlet
- Economizer (Title 24 and ASHRAE 90.1 2019 Compliant)
- Supply and return smoke detector
- Return smoke detector
- ElectroFin® E-Coat for Microchannel Condenser Coil
- ClearControl™ Direct Digital Control (DDC)
- Comfort Alert/Phase monitor
- Vertical economizer

FIELD INSTALLED ACCESSORY EQUIPMENT:

Accessory	Model Number	Factory Installation Available?
Economizer w/Single Enthalpy (Downflow)	RXRD-01MDDAM3	Yes
Economizer w/Single Enthalpy (Horizontal)	RXRD-01MDHAM3	No
Economizer-w/Single Enthalpy (Downflow) DDC	RXRD-01MDDBM3	Yes
Economizer w/Single Enthalpy (Horizontal) DDC	RXRD-01MDHBM3	No
Dual Enthalpy Kit	RXXR-BV01	No
Dual Enthalpy Kit DDC	RXXR-BV02	No
Carbon Dioxide Sensor (Wall Mount)	RXXR-AR02	No
Power Exhaust	RXXR-CDF01C	No
Power Exhaust	RXXR-CDF01D	No
Manual Fresh Air Damper	RXRF-ADA1	No
Motorized Fresh Air Damper	RXRF-ADB1	No
Motorized Fresh Air Damper (DDC)	RXRF-ADC1	No
Roofcurb, 14"	RXKG-DDD14	No
Roofcurb, 24"	RXKG-DDD24	No
Roofcurb Adapter	RXXR-DDCAE	No
Roofcurb, 14" Welded	RXKG-SD14	No
Roofcurb, 24" Welded	RXKG-SD24	No
Concentric Diffuser 7.5/8.5 Ton Flush	RXRN-AEF2000	No
Concentric Diffuser 10.0 Ton Flush	RXRN-AEF3415	No
Concentric Diffuser 12.5 Ton Flush	RXRN-AEF3618	No
Concentric Diffuser 7.5/8.5 Ton Drop	RXRN-AED2000	No
Concentric Diffuser 10.0 Ton Drop	RXRN-AED3415	No
Concentric Diffuser 12.5 Ton Drop	RXRN-AED3618	No
Concentric Adapter 7.5/8.5 Ton Drop	RXMC-DD01	No
Concentric Adapter 10 Ton Drop	RXMC-DD02	No
Concentric Adapter 12.5 Ton Drop	RXMC-DD03	No
Outdoor Coil Louver Kit - ACD/090/102/120 (HPD/090/102)	RXXR-ADD04A	Yes
Outdoor Coil Louver Kit - ACD150 (HPD120)	RXXR-ADD04B	Yes
Unwired Convenience Outlet	RXXR-BN01	Yes
Unfused Service Disconnect	RXXR-BP01	Yes
Comfort Alert (1 Per Compressor)	RXXR-AZ01 DDC	Yes
Comfort Alert (1 Per Compressor)	RXRZ-AZ02	Yes
BACnet Communication Card	RXXR-AY01	No
LonWorks Communication Card	RXXR-AY02	No

*See single point wiring kit model nomenclature on page 82.

*Variable Frequency Drive Kit model nomenclature on page 82.

Accessory	Model Number	Factory Installation Available?
Room Humidity Sensor	RHC-ZNS4	No
Room Temperature and Relative Humidity Sensor	RHC-ZNS5	No
Low-Ambient Control Kit	RXRZ-A04	Yes
Freeze Stat Kit	RXXR-AM01	Yes
Variable Frequency Drive Kit* *See model number break down below	RXXR-AC02	No
	RXXR-AC03	No
	RXXR-AC05	No
	RXXR-AD02	No
	RXXR-AD03	No
	RXXR-AD05	No
	RXXR-CC02	No
	RXXR-CC03	No
	RXXR-CC05	No
	RXXR-CD02	No
	RXXR-CD03	No
	RXXR-CD05	No
Electric Heater Kits	RXJJ-DD10CP	Yes
	RXJJ-DD15CP	Yes
	RXJJ-DD20CP	Yes
	RXJJ-DD30CP	Yes
	RXJJ-DD40CP	Yes
	RXJJ-DD10DNV	Yes
	RXJJ-DD15DNV	Yes
	RXJJ-DD20DNV	Yes
	RXJJ-DD30DNV	Yes
	RXJJ-DD40DNV	Yes
Single Point Wiring Kit*	RXJX-AC0605	No
	RXJX-AC0805	No
	RXJX-AD0405	No
	RXJX-AD0605	No
	RXJX-AD0409	No
	RXJX-AC0909	No
	RXJX-AD0609	No
MERV 8 Filter	RXMF-M08A22020	No
MERV 13 Filter	RXMF-M13A22020	No
Flue Diverter	RXXR-DFG04	No



Air

Unit Features & Benefits
RHPD Series

Cabinet and Foundation

Outwardly, the large *Rheem® Commercial Series* label ([1]) identifies the brand to the customer. The sheet-metal cabinet ([2]) uses 18-gauge material for structural components with an underlying coat of G90. To ensure the leak-proof integrity of these units, the design utilizes a one-piece top with a 1/8" drip lip ([3]) as well as gasket-protected panels and screws. The Rheem hail guard (optional) ([4]) sets the standard for coil protection in the industry. Electro deposition, baked-on enamel that is tested to withstand a rigorous 1000-hour salt spray test, per ASTM B117.

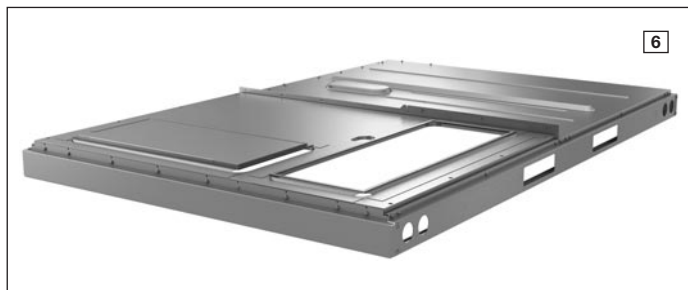
Anything built to last must start with the right foundation. Following that model, the foundation is comprised of 14-gauge, commercial-grade, full perimeter base rails ([5]) that integrate fork slots and rigging holes to save set-up time on the job site.

Easy Installation

The Renaissance line features a new footprint that simplifies the replacement process by eliminating the need for a new curb adapter and being able to match inlet, outlet and electrical connections of the most common/industry-standard configurations.

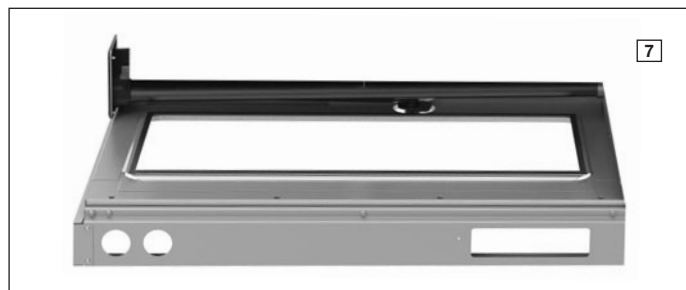
Base Pan

The base pan is stamped to form a 7/8" flange around the supply and return cover, which eliminates the worry of water entering the conditioned space ([6]). All insulation is secured with both adhesive and mechanical fasteners, and all edges are hidden.



Drain Pan

The Qwik-Clean Drain Pan™ ([7]) is made from a composite material that resists the growth of harmful bacteria. With both side and center drain options, the drain pan slides out completely for easy cleaning. It also features a standard overflow switch.



Test Standards

During development, each unit was tested to U.L. 1995, AHRI 340-360 as well as other Rheem-required reliability tests. Rheem adheres to stringent ISO 9002 quality procedures, and each unit bears the U.L. and AHRI certification labels located on the unit nameplate. Contractors can be assured that when a Rheem package unit arrives at the job, it is ready to go with a factory charge and quality checks. Each unit also proudly displays the "Made in the USA" designation.

Easy Access

All major compartments are easily accessible from the front of the unit: the electrical compartment, blower compartment, heating section, and outdoor section. Each compartment has mechanical fasteners. Panels are permanently embossed with the compartment name (e.g. control/filter access, blower access, and electric heat access). The filter compartment is accessed through a large, mechanically fastened panel. Information is readily available on the outside of the panel, with a nameplate that contains the model and serial numbers, electrical data, and other important unit information. Hinged access is available as an option for the electrical, blower, and filter compartments.

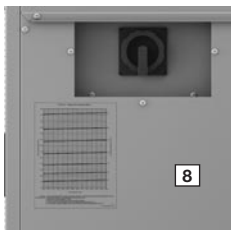


INTEGRATED AIR & WATER



Charging Charts, Wiring Diagrams, & Labels

The unit charging chart is located on the outside of the compressor access panel. Electrical wiring diagrams are found on the control box cover, which allows contractors to move them to more readable locations. The model and serial numbers are located on the right of the control box. Having this information on the inside means easier model identification for the life of the product. The production line quality test assurance label is also placed in this location ([8]).



Filter Rack

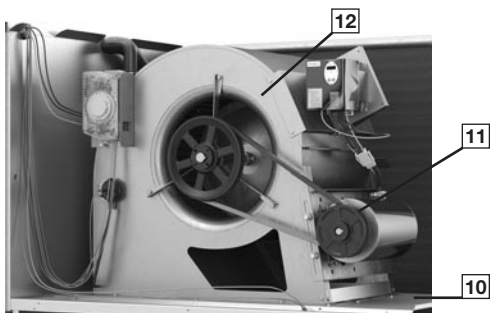
Located within the filter compartment, the Qwik-Change Flex-Fit Rack™ ([9]) allows easy changeover between 2" and 4" standard size and readily available filters.



Blower Assembly

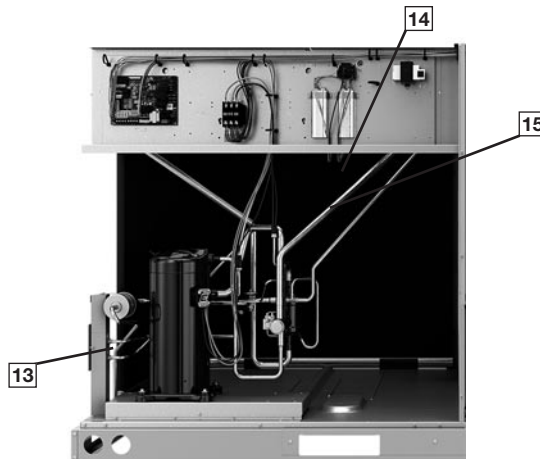
Removing three screws provides full access to the blower compartment. Inside, the Qwik-Slide Blower Assembly™ ([10]) is incredibly easy to access and remove. This makes servicing internal components such as blower motor, TXV, and microchannel coil much easier. The entire assembly slides out by removing the 3/8" screws from the blower retention bracket. The adjustable motor pulley ([11]) can easily be adjusted by loosening the bolts on either side of the motor mount. Removing the bolts allows for easy removal of the blower pulley by pushing the blower assembly up to loosen the belt. Once the pulley is removed, the motor sheave can be adjusted to the desired number of turns, ranging from 0 to 6 turns open.

Where the demands for the job require high static, Rheem offers drives that deliver nominal airflow up to 2" of static. By referring to the airflow performance tables listed in the installation instructions, proper static pressure and CFM requirements can be dialed in. The scroll housing ([12]) and blower scroll provide quiet and efficient airflow. The blower sheave is secured by an "H" bushing that firmly secures the pulley to the blower shaft, resulting in years of trouble-free operation. The "H" bushing allows for easy removal of the blower pulley from the shaft. This is an improvement from a set screw, which can score the shaft and create burrs that make blower-pulley removal difficult.



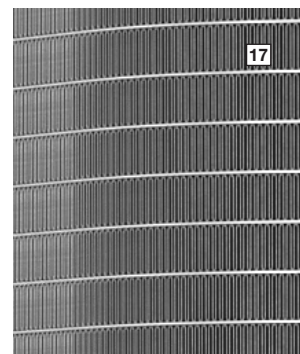
High and Low Pressure Switches & Freeze Stat

High pressure ([13]) and low pressure ([14]) switches are standard. They are located in the outdoor section along with the low-ambient control ([15]). The optional Freeze Stat ([16]) (standard on models with ClearControl), is clipped onto the suction line in the blower compartment. The low ambient control allows the compressor to operate down to 0 degrees ambient temperature by cycling the outdoor fans on high pressure. The high-pressure switch shuts off the compressors if pressures exceeding 610 PSIG are detected. The low-pressure switch shuts off the compressors if low pressure is detected due to loss of charge. Built-in Smart Logic reduces nuisance calls by only shutting off compressors after the third detection. The freeze stat protects the compressor if the evaporator coil gets too cold (below freezing) due to low airflow.



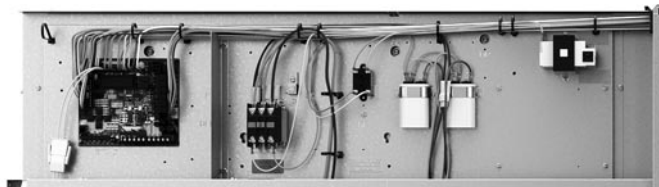
MicroChannel Evaporator & TXV

The Microchannel Evaporator ([17]) is accessible through the blower compartment, and through the filter rack, to simplify cleaning. The evaporator uses microchannel technology for maximum heat transfer, light weight, fewer manually brazed connections and reduced refrigerant charge. The TXV metering device maintains superheat over a wide range of varying temperatures optimizing unit performance for all conditions.



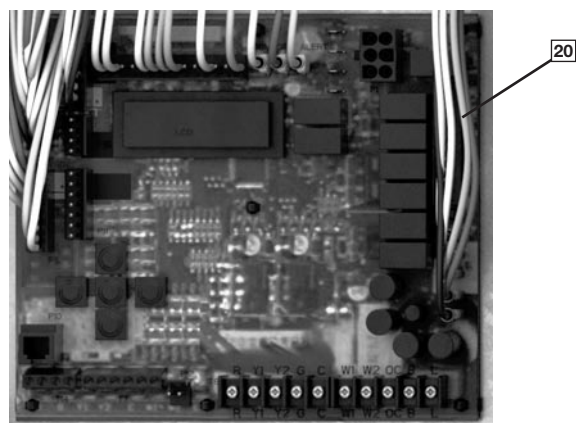
Control Box

Inside the control box (18), each electrical component is clearly labeled; that label matches the component to the wire diagram for ease of trouble shooting. All wiring is numbered on each end of the termination and is color-coded to match the wiring diagram. The control transformer has a low voltage circuit breaker that trips if an electrical short occurs. There is a blower contactor and compressor contactor for each compressor.



ClearControl™

The optional ClearControl™ system consisting of a rooftop unit controller, temperature sensors, and pressure sensors, allows real-time monitoring and communication between rooftop units. The Rooftop Unit Controller (RTU-C) that is factory mounted and wired into the control panel. The RTU-C is a solid-state, micro-processor-based control board that provides flexible control and extensive diagnostics for all unit functions. The RTU-C, using proportional/integral control algorithms, performs specific unit functions that govern unit operation in response to zone conditions, system temperatures, system pressures, ambient conditions, and electrical inputs. The RTU-C features a 16 x 2 character LCD display and a five-button keypad for local configuration and direct diagnosis of the system (20). Features include a clogged filter switch (CFS), fan proving switch (FPS), return air temperature sensor (RAT), discharge air temperature sensor (DAT), and outdoor air temperature sensor (OAT). Freeze sensors (FS) are used in place of freeze stats to allow measurement of refrigerant suction line temperatures.

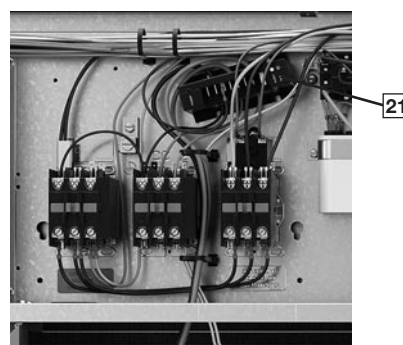


The RHPD with the RTU-C is specifically designed to be applied in four distinct applications:

- 1. BACnet Communication** — The RHPD is compatible with a third party building management system that supports the BACnet Application Specific Controller device profile, with the use of a field installed BACnet Communication Module. The BACnet Communication Module plugs onto the unit RTU-C controller and allows communication between the RTU-C and the BACnet MSTP network. A zone sensor, a BACnet network zone sensor, a BACnet thermostat, or DDC controller may be used to send the zone temperature or thermostat demands to the RTU-C. The BACnet Communication Module is compatible with MSTP EIA-485 daisy chain networks communicating at 38.4 bps. It is compatible with twisted pair, shielded cables.
- 2. LonWorks Communication** — The RHPD is compatible with a third party building management system that supports the LonMark Space Comfort Controller (SCC) functional profile or LonMark Discharge Air Controller (DAC) functional profile. This is accomplished with a field installed LonMark communication module. The LonMark Communication Module plugs onto the RTU-C controller and allows communication between the RTU-C and a LonWorks network. A zone sensor, a LonTalk network zone sensor, or a LonTalk thermostat or DDC controller may be used to send the zone temperature or thermostat demands to the RTU-C. The LonMark Communication Module utilizes an FTT-10A free topology transceiver communicating at 78.8 kbps. It is compatible with Echelon qualified, twisted pair cable, Belden 8471, or NEMA Level 4 cables. The module can communicate up to 1640 feet with no repeater. The LonWorks limit of 64 nodes per segment applies to this device.
- 3. 24V Thermostat Compatibility** — The RHPD is compatible with a programmable 24 volt thermostat. Connections are made via conventional thermostat screw terminals. Extensive unit status and diagnostics are displayed on the LCD screen of the RTU-C.
- 4. Zone Sensor Compatibility** — The RHPD is compatible with a zone sensor and a mechanical or solid state time clock connected to the RTU-C. Extensive unit status and diagnostics are displayed on the LCD screen of the RTU-C.

ComfortAlert®

A factory or field installed Comfort Alert® (21) module is available for power phase-monitoring protection and additional compressor diagnostics. The alarms can be displayed on the RTU-C display, through the (BAS) network, or connected to the “L-Terminal” of a thermostat for notification.





Variable Frequency Drive

The supply fan Variable Frequency Drive (VFD) (22) optimizes energy usage year round by providing a lower speed for first stage cooling operation, improving IEER's over the conventional constant fan system. Operating in the constant fan mode at the reduced speed can use as little as $\frac{1}{5}$ of the energy of a conventional constant fan system. Also, by operating at a lower speed on first stage cooling, up to 126% more moisture is removed, improving comfort during low load operation. VFD comes standard. The VFD supply fan factory option meets California Title 24 and ASHRAE 90.1-2016 requirements for multi blower speed control. VFD also ramps up to the desired speed, reducing stress on the supply fan components and noise from a sudden inrush of air. Because the airflow is cut in half during first stage cooling and constant fan operation, noise is much less during these modes of operation.



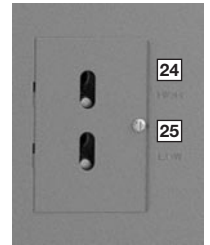
Convenience Outlet

For added convenience in the field, factory-installed option of non-powered convenience outlet (23) is available. Low and high voltage can enter from the side or through the base. Low-voltage connections are made through the low-voltage terminal strip. For ease of access, the U.L.-required low voltage barrier can be temporarily removed for low-voltage termination and then reinstalled. The high-voltage connection is terminated at the number 1 compressor contactor.



External Lockable Gauge Ports

To the right left of the compressor compartment are the externally mounted lockable gauge ports. They are permanently identified by embossed lettering that identifies the compressor circuit, high pressure connection, (24) and low pressure connection (25). Because the gauge ports are mounted externally, an accurate diagnostic of system operation can be performed without removing access panels. Brass caps on the Schrader fitting ensure the gauge parts are leak proof.





Compressor

The compressor compartment houses the heart-beat of the unit. The scroll compressor (26) is known for its long life and for reliable, quiet, and efficient operation. The suction and discharge lines are designed with shock loops (27) to absorb the strain and stress that the starting torque, steady state operation, and shut-down cycle impose on the refrigerant tubing. The units have two stages of efficient cooling operation in which the first stage is approximately 50% of second stage. Each unit comes standard with a filter dryer.



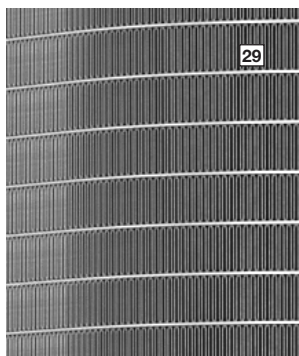
Condenser Fans

The condenser fan motors (28) can easily be accessed and maintained through the top of the unit. A down-mount fan provides corrosion protection and easy removal. The polarized plug connection allows the motor to be changed quickly and eliminates the need to snake wires through the unit.



MicroChannel Condenser Technology

The outdoor coil uses the latest microchannel technology (29) for the most effective method of heat transfer. The outdoor coil is protected by optional louvered panels, which allow unobstructed airflow while protecting the unit from both the environment and vandalism.



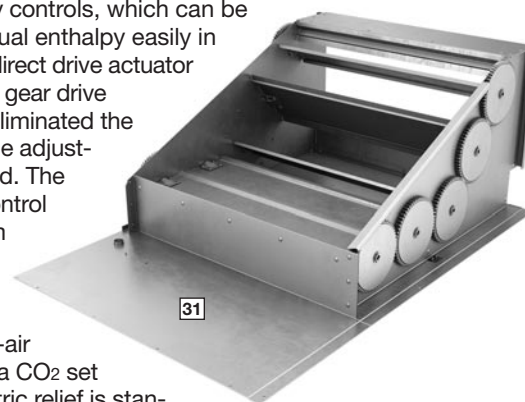
Coil Coating

Every unit offers the option of factory-applied E-Coat condenser coating (30) that delivers superior corrosion resistance for outdoor coils to operate in the harshest of environments.



Economizer and Dampers

Each unit is designed for both down flow or horizontal applications (31) for job configuration flexibility. The return air compartment can also contain an economizer. Each unit is pre-wired for the economizer to allow quick, plug-in installation. Available as a factory-installed option, the economizer provides free cooling when outdoor conditions are suitable and also provides fresh air to meet local requirements. It comes standard with single enthalpy controls, which can be upgraded to dual enthalpy easily in the field. The direct drive actuator combined with gear drive dampers has eliminated the need for linkage adjustment in the field. The economizer control has a minimum position set point, an outdoor-air set point, a mixed-air set point, and a CO₂ set point. Barometric relief is standard on all economizers.



Power Exhaust is easily field-installed. The power exhaust is housed in the barometric relief opening and is easily slipped in with a plugin assembly. The wire harness to the economizer also has accommodations for a smoke detector.

The damper minimum position, actual damper position, power exhaust on/off set point, mixed air temperature limit set point, and Demand Controlled Ventilation (DCV) set point can be read and adjusted at the unit controller display or remotely through a network connection. The Space CO₂ level, mixed air temperature, and Economizer Status (free cooling available, single or dual enthalpy) can be read at the unit controller display or remotely through a network connection. Economizer faults will trigger a network alarm and can be read at the unit controller display or remotely through a network connection.



Roofcurb

The Rheem roofcurb ([32](#)) is made for tool-less assembly at the jobsite by engaging tabs in slots of adjacent curb sides, which makes the assembly process quick and easy.



R	HP	D	ZT	090	A	C	F	15	2	A	B	***
1	23	4	56	789	10	11	12	13 14	15	16	17	18 19 20

1—Brand

R = Rheem

2, 3—Unit Type

HP = Package Heat Pump

4—Cabinet Type

D = Medium Commercial

5, 6—Series

ZT = Tier 1 (Commercial
Prestige® Series)

7, 8, 9—Capacity

090 = 7.5 ton

102 = 8.5 ton

120 = 10 ton

10—Major series

A

11—Voltage

C = 3 phase 208-230/60

D = 3 phase 460/60

Y = 3 phase 575/60

12—Drive

A = belt low static

B = belt med static

C = belt high static

F = belt VFD low static

G = belt VFD med static

H = belt VFD high static

13, 14—Heat Capacity

00 = No Heat

10 = 10kw

15 = 15kw

20 = 20kw

30 = 30kw

40 = 40kw

15—Number of stages

0 = no stages

1 = 1 stage

2 = 2 stage

16—Control

A = Non communicating

B = Comfort Alert/Phase Monitor

C = Clear Control

D = Clear Control & Comfort Alert

17—Minor series

B

18, 19, 20—Option Code

See next page

FACTORY INSTALLED OPTION CODES FOR RHPD (7.5 TO 10 TON)

18					19					20			
LV = Louver protection					LF = Low Ambient / Freeze Stat					EC = Economizer			
HA = Hinged Access					NP = Non-powered Convenience Outlet					SS = Supply Smoke			
CC ¹ = Coil Coating										RS = Return Smoke			
Option code character highlighted below					Option code character highlighted below					Option code character highlighted below			
A	None				A	None				0	None		
B	LV				B	LF				1	EC		
C	HA				C	NP				2	RS		
D	LV	HA			D	LF	NP			3	EC	RS	
E	LV	CC								4	SS	RS	
F	LV	HA	CC							5	EC	SS	RS

¹CC-requires LV (louver protection)

Instructions for Factory Installed Option(s) Selection

Note: Three characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, "AAO" follows the model number.

- **Step 1:** In the table above, based on the desired features, choose option code character from highlighted options on the left side under the number 18. For example, the option code character "E" has Louver protection and Coil Coating.
- **Step 2:** In the table above, based on the desired features, choose option code character from highlighted options on the left side under the number 19. For example, the option code character "D" has Low Ambient / Freeze Stat and Non-powered convenience outlet.
- **Step 3:** In the table above, based on the desired features, choose option code character from highlighted options on the left side under the number 20. For example, the option code character "3" has Economizer and Return Smoke.
- The resulting option code from examples above is: "ED3"
- **Step 4:** Add your option code selection to the end of model number

◦ Example: RHPDZT090ACC150AA

ED3

= RHPDZT090ACC150AAED3

↑
Base model

↑
Option code

↑
= Model number with option code

To select an RHPDZT Cooling and Heating unit to meet a job requirement, follow this procedure, with example, using data supplied in this specification sheet.

1. DETERMINE COOLING AND HEATING REQUIREMENTS AND SPECIFIC OPERATING CONDITIONS FROM PLANS AND SPECS.

Example:

Voltage—	230 V – 3 Phase – 60 Hz
Total Cooling Capacity—	118,000 BTUH [34.57 kW]
Sensible Cooling Capacity—	79,600 BTUH [23.32 kW]
Heating Capacity—	150,000 BTUH [40 kW]
*Condenser Entering Air—	95°F [35.0°C] DB
*Evaporator Mixed Air Entering—	65°F [18.3°C] WB
	78°F [25.6°C] DB
*Indoor Air Flow (vertical)—	3600 CFM [1699 L/s]
*External Static Pressure—	0.40 in. WG [.10 kPa]

2. SELECT UNIT TO MEET COOLING REQUIREMENTS.

Since total cooling is within the range of a nominal 10 ton [35.1 kW] unit, enter cooling performance table at 95°F [35.0°C] DB condenser inlet air. Interpolate between 63°F [17.2°C] WB and 67°F [19.4°C] to determine total and sensible capacity and power input for 65°F [18.3°C] WB evaporator inlet air at 3750 CFM [1770 L/s] indoor air flow (table basis):

Total Cooling Capacity = 118,900 BTUH [34.82 kW]
 Sensible Cooling Capacity = 99,950 BTUH [29.27 kW]
 Power Input (Compressor and Cond. Fans) = 8,950 watts
 Use formula $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$ in note to determine sensible capacity at 80°F [26.7°C] DB evaporator entering air:

$99,950 + (1.10 \times 3,600 \times (1 - 0.03) \times (78 - 80))$
 Sensible Cooling Capacity = 92,268 BTUH [27.02 kW]

3. CORRECT CAPACITIES OF STEP 2 FOR ACTUAL AIR FLOW.

Select factors from airflow correction table at 3600 CFM [1699 L/s] and apply to data obtained in step 2 to obtain gross capacity:

Total Capacity = $118,900 \times 0.98 = 116,522$ BTUH [34.12 kW]
 Sensible Capacity = $92,268 \times 0.95 = 87,655$ BTUH [25.67 kW]
 Power Input = $8,950 \times 0.99 = 8,861$ Watts

These are Gross Capacities, not corrected for blower motor heat or power.

4. DETERMINE BLOWER SPEED AND WATTS TO MEET SYSTEM DESIGN.

Enter Indoor Blower performance table at 3600 CFM [1699 L/s]. Total ESP (external static pressure) per the spec of 0.40 in. WG [.10 kPa] includes the system duct and grilles. Add from the table "Component Air Resistance," 0.076 in. WG [.02 kPa] for wet coil, 0 in. WG [.00 kPa] for downflow air flow for a total selection static pressure of 0.476 (0.5) in. WG [.12 kPa], and determine:

RPM = 771
 WATTS = 1,494
 DRIVE = A (Belt drive, low static)

5. CALCULATE INDOOR BLOWER BTUH HEAT EFFECT FROM MOTOR WATTS, STEP 4.

$$1,576 \times 3.412 = 5,377 \text{ BTUH [1.57 kW]}$$

6. CALCULATE NET COOLING CAPACITIES, EQUAL TO GROSS CAPACITY, STEP 3, MINUS INDOOR BLOWER MOTOR HEAT.

$$\text{Net Total Capacity} = 116,522 - 5,377 = 111,145 \text{ BTUH [32.54 kW]}$$

$$\text{Net Sensible Capacity} = 87,655 - 5,377 = 82,278 \text{ BTUH [24.09 kW]}$$

7. CALCULATE UNIT INPUT AND JOB EER.

$$\text{Total Power Input} = 8,861 \text{ (step 3)} + 1,576 \text{ (step 4)} = 10,437 \text{ Watts}$$

$$\text{EER} = \frac{\text{Net Total BTUH [kW] (step 6)}}{\text{Power Input, Watts (above)}} = \frac{111,145}{10,437} = 10.65$$

8. SELECT UNIT HEATING CAPACITY.

From Heater Kit Table select kW to meet heating capacity requirement; multiply kW x 3412 to convert to BTUH.

Use 40 kW Heater Kit

Heater Kit Model:	Heater Kit Capacity:
RXXJJ-DD40CP	135,120 BTUH [39.6 kW]

Add indoor blower heat effect (step 5) to Heater Kit Capacity to get total heating capacity:

$$135,120 + 5,377 = 140,497 \text{ BTUH [41.1 kW]}$$

9. CHOOSE MODEL RHPDZT120ACA402AA.

*NOTE: These operating conditions are typical of a commercial application in a 95°F/79°F [35°C/26°C] design area with indoor design of 76°F [24°C] DB and 50% RH and 10% ventilation air, with the unit roof mounted and centered on the zone it conditions by ducts.

[] Designates Metric Conversions

NOM. SIZES 7.5-10 TONS [26.4-35.1 kW] ASHRAE 90.1-2007 COMPLIANT MODELS

Model RHPDZT Series	090ACF	090ACG	090ACH	090ADF
Cooling Performance^A				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.08]	89,000 [26.08]	89,000 [26.08]	89,000 [26.08]
EER	11	11	11	11
IEER ^B	14.1	14.1	14.1	14.1
Nominal CFM/AHRI Rated CFM [L/s]	3000/3030 [1416/1430]	3000/3030 [1416/1430]	3000/3030 [1416/1430]	3000/3030 [1416/1430]
AHRI Net Cooling Capacity Btu [kW]	86,000 [25.2]	86,000 [25.2]	86,000 [25.2]	86,000 [25.2]
Net Sensible Capacity Btu [kW]	62,800 [18.4]	62,800 [18.4]	62,800 [18.4]	62,800 [18.4]
Net Latent Capacity Btu [kW]	23,200 [6.8]	23,200 [6.8]	23,200 [6.8]	23,200 [6.8]
Net System Power kW	7.55	7.55	7.55	7.55
Heating Performance (Heat Pumps)				
High Temp. Btuh [kW] Rating	86,000 [25.2]	86,000 [25.2]	86,000 [25.2]	86,000 [25.2]
System Power KW / COP	6.84/3.4	6.84/3.4	6.84/3.4	6.84/3.4
Low Temp. Btuh [kW] Rating	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]	48,000 [14.06]
System Power KW / COP	6.44/2.3	6.44/2.3	6.44/2.3	6.44/2.3
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)^C	88	88	88	88
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	22.8 [2.12]	22.8 [2.12]	22.8 [2.12]	22.8 [2.12]
Rows / FPI [FPcm]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	10.9 [1.01]	10.9 [1.01]	10.9 [1.01]	10.9 [1.01]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)
No. Speeds	Single	Single	Single	Single
No. Motors	1	1	1	1
Motor HP	2	3	3	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter - Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]
Refrigerant Charge Oz. [g]	179 [5075]	179 [5075]	179 [5075]	179 [5075]
Weights				
Net Weight lbs. [kg]	775 [352]	785 [356]	786 [357]	775 [352]
Ship Weight lbs. [kg]	814 [369]	824 [374]	825 [374]	814 [369]

See Page 19 for Notes.

[] Designates Metric Conversions

NOM. SIZES 7.5-10 TONS [26.4-35.1 kW] ASHRAE 90.1-2007 COMPLIANT MODELS

Model RHPDZT Series	090ADG	090ADH	102ACF	102ACG
Cooling Performance^A				CONTINUED →
Gross Cooling Capacity Btu [kW]	89,000 [26.08]	89,000 [26.08]	101,000 [29.59]	101,000 [29.59]
EER	11	11	11	11
IEER ^B	14.1	14.1	14.1	14.1
Nominal CFM/AHRI Rated CFM [L/s]	3000/3030 [1416/1430]	3000/3030 [1416/1430]	3400/3345 [1604/1579]	3400/3345 [1604/1579]
AHRI Net Cooling Capacity Btu [kW]	86,000 [25.2]	86,000 [25.2]	98,000 [28.71]	98,000 [28.71]
Net Sensible Capacity Btu [kW]	62,800 [18.4]	62,800 [18.4]	71,000 [20.8]	71,000 [20.8]
Net Latent Capacity Btu [kW]	23,200 [6.8]	23,200 [6.8]	27,000 [7.91]	27,000 [7.91]
Net System Power kW	7.55	7.55	8.47	8.47
Heating Performance (Heat Pumps)				
High Temp. Btuh [kW] Rating	86,000 [25.2]	86,000 [25.2]	98,000 [28.71]	98,000 [28.71]
System Power KW / COP	6.84/3.4	6.84/3.4	7.99/3.4	7.99/3.4
Low Temp. Btuh [kW] Rating	48,000 [14.06]	48,000 [14.06]	60,000 [17.58]	60,000 [17.58]
System Power KW / COP	6.44/2.3	6.44/2.3	7.54/2.3	7.54/2.3
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)^C	88	88	88	88
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	22.8 [2.12]	22.8 [2.12]	22.4 [2.08]	22.4 [2.08]
Rows / FPI [FPcm]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	10.9 [1.01]	10.9 [1.01]	10.9 [1.01]	10.9 [1.01]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)
No. Speeds	Single	Single	Single	Single
No. Motors	1	1	1	1
Motor HP	3	3	2	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter - Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]
Refrigerant Charge Oz. [g]	179 [5075]	179 [5075]	197 [5585]	197 [5585]
Weights				
Net Weight lbs. [kg]	785 [356]	786 [357]	811 [368]	821 [372]
Ship Weight lbs. [kg]	824 [374]	825 [374]	850 [386]	860 [390]

See Page 19 for Notes.

[] Designates Metric Conversions

NOM. SIZES 7.5-10 TONS [26.4-35.1 kW] ASHRAE 90.1-2007 COMPLIANT MODELS

Model RHPDZT Series	102ACH	102ADF	102ADG	102ADH
Cooling Performance^A				CONTINUED →
Gross Cooling Capacity Btu [kW]	101,000 [29.59]	101,000 [29.59]	101,000 [29.59]	101,000 [29.59]
EER	11	11	11	11
IEER ^B	14.1	14.1	14.1	14.1
Nominal CFM/AHRI Rated CFM [L/s]	3400/3345 [1604/1579]	3400/3345 [1604/1579]	3400/3345 [1604/1579]	3400/3345 [1604/1579]
AHRI Net Cooling Capacity Btu [kW]	98,000 [28.71]	98,000 [28.71]	98,000 [28.71]	98,000 [28.71]
Net Sensible Capacity Btu [kW]	71,000 [20.8]	71,000 [20.8]	71,000 [20.8]	71,000 [20.8]
Net Latent Capacity Btu [kW]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]	27,000 [7.91]
Net System Power kW	8.47	8.47	8.47	8.47
Heating Performance (Heat Pumps)				
High Temp. Btuh [kW] Rating	98,000 [28.71]	98,000 [28.71]	98,000 [28.71]	98,000 [28.71]
System Power KW / COP	7.99/3.4	7.99/3.4	7.99/3.4	7.99/3.4
Low Temp. Btuh [kW] Rating	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]	60,000 [17.58]
System Power KW / COP	7.54/2.3	7.54/2.3	7.54/2.3	7.54/2.3
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)^C	88	88	88	88
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	22.4 [2.08]	22.4 [2.08]	22.4 [2.08]	22.4 [2.08]
Rows / FPI [FPcm]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	10.9 [1.01]	10.9 [1.01]	10.9 [1.01]	10.9 [1.01]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)
No. Speeds	Single	Single	Single	Single
No. Motors	1	1	1	1
Motor HP	3	2	3	3
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter - Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]	(4)2x20x20 [51x508x508]
Refrigerant Charge Oz. [g]	197 [5585]	197 [5585]	197 [5585]	197 [5585]
Weights				
Net Weight lbs. [kg]	822 [373]	811 [368]	821 [372]	822 [373]
Ship Weight lbs. [kg]	861 [391]	850 [386]	860 [390]	861 [391]

See Page 19 for Notes.

[] Designates Metric Conversions

NOM. SIZES 7.5-10 TONS [26.4-35.1 kW] ASHRAE 90.1-2007 COMPLIANT MODELS

Model RHPDZT Series	120ACF	120ACG	120ACH	120ADF
Cooling Performance^A				CONTINUED 
Gross Cooling Capacity Btu [kW]	119,000 [34.87]	119,000 [34.87]	119,000 [34.87]	119,000 [34.87]
EER	11	11	11	11
IEER ^B	14.1	14.1	14.1	14.1
Nominal CFM/AHRI Rated CFM [L/s]	4000/4060 [1888/1916]	4000/4060 [1888/1916]	4000/4060 [1888/1916]	4000/4060 [1888/1916]
AHRI Net Cooling Capacity Btu [kW]	114,000 [33.4]	114,000 [33.4]	114,000 [33.4]	114,000 [33.4]
Net Sensible Capacity Btu [kW]	82,800 [24.26]	82,800 [24.26]	82,800 [24.26]	82,800 [24.26]
Net Latent Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]	31,200 [9.14]
Net System Power kW	10.13	10.13	10.13	10.13
Heating Performance (Heat Pumps)				
High Temp. Btuh [kW] Rating	114,000 [33.4]	114,000 [33.4]	114,000 [33.4]	114,000 [33.4]
System Power KW / COP	9.03/3.4	9.03/3.4	9.03/3.4	9.03/3.4
Low Temp. Btuh [kW] Rating	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]	72,000 [21.1]
System Power KW / COP	8.3/2.3	8.3/2.3	8.3/2.3	8.3/2.3
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)^C	88	88	88	88
Outdoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	28.8 [2.68]	28.8 [2.68]	28.8 [2.68]	28.8 [2.68]
Rows / FPI [FPcm]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]	1 / 16 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil - Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	13.2 [1.23]	13.2 [1.23]	13.2 [1.23]	13.2 [1.23]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP	2 at 1/2 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)	Belt (Adjustable)
No. Speeds	Single	Single	Single	Single
No. Motors	1	1	1	1
Motor HP	2	3	3	2
Motor RPM	1725	1725	1725	1725
Motor Frame Size	56	56	56	56
Filter - Type	Disposable	Disposable	Disposable	Disposable
Furnished	Yes	Yes	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x25x20 [51x635x508]	(4)2x25x20 [51x635x508]	(4)2x25x20 [51x635x508]	(4)2x25x20 [51x635x508]
Refrigerant Charge Oz. [g]	213 [6039]	213 [6039]	213 [6039]	213 [6039]
Weights				
Net Weight lbs. [kg]	863 [391]	873 [396]	874 [396]	863 [391]
Ship Weight lbs. [kg]	902 [409]	912 [414]	913 [414]	902 [409]

See Page 19 for Notes.

[] Designates Metric Conversions



NOM. SIZES 7.5-10 TONS [26.4-35.1 kW] ASHRAE 90.1-2007 COMPLIANT MODELS

Model RHPDZT Series	120ADG	120ADH
Cooling Performance^A		
Gross Cooling Capacity Btu [kW]	119,000 [34.87]	119,000 [34.87]
EER	11	11
IEER ^B	14.1	14.1
Nominal CFM/AHRI Rated CFM [L/s]	4000/4060 [1888/1916]	4000/4060 [1888/1916]
AHRI Net Cooling Capacity Btu [kW]	114,000 [33.4]	114,000 [33.4]
Net Sensible Capacity Btu [kW]	82,800 [24.26]	82,800 [24.26]
Net Latent Capacity Btu [kW]	31,200 [9.14]	31,200 [9.14]
Net System Power kW	10.13	10.13
Heating Performance (Heat Pumps)		
High Temp. Btuh [kW] Rating	114,000 [33.4]	114,000 [33.4]
System Power KW / COP	9.03/3.4	9.03/3.4
Low Temp. Btuh [kW] Rating	72,000 [21.1]	72,000 [21.1]
System Power KW / COP	8.3/2.3	8.3/2.3
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)^C		
	88	88
Outdoor Coil - Fin Type		
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	28.8 [2.68]	28.8 [2.68]
Rows / FPI [FPcm]	1 / 16 [6]	1 / 16 [6]
Refrigerant Control	TX Valves	TX Valves
Indoor Coil - Fin Type		
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	13.2 [1.23]	13.2 [1.23]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]
Outdoor Fan - Type		
No. Used/Diameter in. [mm]	2/24 [609.6]	2/24 [609.6]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	8000 [3775]	8000 [3775]
No. Motors/HP	2 at 1/2 HP	2 at 1/2 HP
Motor RPM	1075	1075
Indoor Fan - Type		
No. Used/Diameter in. [mm]	1/15x15 [381x381]	1/15x15 [381x381]
Drive Type	Belt (Adjustable)	Belt (Adjustable)
No. Speeds	Single	Single
No. Motors	1	1
Motor HP	3	3
Motor RPM	1725	1725
Motor Frame Size	56	56
Filter - Type		
Furnished	Yes	Yes
(NO.) Size Recommended in. [mm x mm x mm]	(4)2x25x20 [51x635x508]	(4)2x25x20 [51x635x508]
Refrigerant Charge Oz. [g]		
	213 [6039]	213 [6039]
Weights		
Net Weight lbs. [kg]	873 [396]	874 [396]
Ship Weight lbs. [kg]	912 [414]	913 [414]

See Page 19 for Notes.

[] Designates Metric Conversions

NOTES:

- A. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation to $\pm 20\%$ of nominal cfm. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 340/360.
- B. EER and Integrated Energy Efficiency (IEER) are rated in accordance with AHRI Standard 340/360 and DOE test standards.
- C. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

[] Designates Metric Conversions



Air

Gross Systems Performance Data
RHPD Series

COOLING PERFORMANCE DATA — RHPDZT090A

wBE		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												61°F [16.1°C]												59°F [15.0°C]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		71°F [21.7°C]				67°F [19.4°C]				63°F [17.2°C]				3600 [1699]				3600 [1699]				3600 [1699]				3600 [1699]				3600 [1699]				3600 [1699]				3600 [1699]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
CFM [L/s]		0.13				0.18				0.21				0.13				0.18				0.21				0.13				0.18				0.21				0.13				0.18				0.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
DR ①		0.13				0.18				0.21				0.13				0.18				0.21				0.13				0.18				0.21				0.13				0.18				0.21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
75 [23.9]	Total BTUH [kW]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	99.1 [29.0]	95.3 [27.9]	102.4 [30.0]	75.7 [22.2]	102.4 [30.0]	95.3 [27.9]	99.1 [29.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]	97.5 [28.6]	94.3 [27.6]	90.7 [26.6]	89.6 [26.2]	90.7 [26.6]	94.3 [27.6]	97.5 [28.6]	102.4 [30.0]	108.7 [31.8]	101.1 [29.6]	105.1 [30.8]	52.2 [15.3]

HEATING PERFORMANCE DATA—RHPDZT090A

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			3600 [1699]	3030 [1430]	2400 [1133]	3600 [1699]	3030 [1430]	2400 [1133]	3600 [1699]	3030 [1430]	2400 [1133]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0°F [-17.8°C]	Total BTUH [kW] Power	29.9 [8.8] 4.8	29.5 [8.7] 5.0	29.1 [8.5] 5.1	27.8 [8.1] 5.4	27.4 [8.0] 5.5	27.0 [7.9] 5.7	25.6 [7.5] 6.1	25.3 [7.4] 6.2	24.9 [7.3] 6.4
	5°F [-15.0°C]	Total BTUH [kW] Power	35.9 [10.5] 4.9	35.5 [10.4] 5.0	34.9 [10.2] 5.1	33.8 [9.9] 5.4	33.3 [9.8] 5.6	32.8 [9.6] 5.7	31.6 [9.3] 6.1	31.2 [9.1] 6.3	30.7 [9.0] 6.4
	10°F [-12.2°C]	Total BTUH [kW] Power	41.9 [12.3] 4.9	41.4 [12.1] 5.1	40.8 [11.9] 5.2	39.8 [11.7] 5.5	39.2 [11.5] 5.6	38.7 [11.3] 5.8	37.6 [11.0] 6.2	37.1 [10.9] 6.3	36.6 [10.7] 6.5
	15°F [-9.4°C]	Total BTUH [kW] Power	47.9 [14.0] 5.0	47.3 [13.9] 5.1	46.6 [13.7] 5.2	45.8 [13.4] 5.5	45.2 [13.2] 5.7	44.5 [13.0] 5.8	43.6 [12.8] 6.2	43.0 [12.6] 6.4	42.4 [12.4] 6.5
	20°F [-6.7°C]	Total BTUH [kW] Power	53.9 [15.8] 5.0	53.2 [15.6] 5.2	52.4 [15.4] 5.3	51.8 [15.2] 5.6	51.1 [15.0] 5.7	50.3 [14.7] 5.9	49.6 [14.5] 6.3	49.0 [14.3] 6.4	48.2 [14.1] 6.6
	25°F [-3.9°C]	Total BTUH [kW] Power	59.9 [17.6] 5.1	59.1 [17.3] 5.2	58.3 [17.1] 5.3	57.8 [16.9] 5.6	57.0 [16.7] 5.8	56.2 [16.5] 5.9	55.6 [16.3] 6.3	54.9 [16.1] 6.5	54.1 [15.8] 6.6
	30°F [-1.1°C]	Total BTUH [kW] Power	65.9 [19.3] 5.1	65.1 [19.1] 5.3	64.1 [18.8] 5.4	63.8 [18.7] 5.7	62.9 [18.4] 5.8	62.0 [18.2] 6.0	61.6 [18.1] 6.4	60.8 [17.8] 6.5	59.9 [17.6] 6.7
	35°F [1.7°C]	Total BTUH [kW] Power	71.9 [21.1] 5.2	71.0 [20.8] 5.3	69.9 [20.5] 5.4	69.8 [20.4] 5.7	68.8 [20.2] 5.9	67.8 [19.9] 6.0	67.6 [19.8] 6.4	66.7 [19.6] 6.6	65.7 [19.3] 6.7
	40°F [4.4°C]	Total BTUH [kW] Power	77.9 [22.8] 5.2	76.9 [22.5] 5.4	75.8 [22.2] 5.5	75.8 [22.2] 5.8	74.8 [21.9] 5.9	73.7 [21.6] 6.1	73.6 [21.6] 6.5	72.6 [21.3] 6.6	71.6 [21.0] 6.8
	45°F [7.2°C]	Total BTUH [kW] Power	83.9 [24.6] 5.3	82.8 [24.3] 5.4	81.6 [23.9] 5.5	81.8 [24.0] 5.8	80.7 [23.6] 6.0	79.5 [23.3] 6.1	79.6 [23.3] 6.5	78.6 [23.0] 6.7	77.4 [22.7] 6.8
	50°F [10.0°C]	Total BTUH [kW] Power	89.9 [26.4] 5.3	88.7 [26.0] 5.5	87.4 [25.6] 5.6	87.8 [25.7] 5.9	86.6 [25.4] 6.0	85.3 [25.0] 6.2	85.6 [25.1] 6.6	84.5 [24.8] 6.7	83.2 [24.4] 6.9

IDB—Indoor air dry bulb

[] Designates Metric Conversions



Air

Gross Systems Performance Data

RHPD Series

COOLING PERFORMANCE DATA — RHPDZT102A

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①																
wBE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			61°F [16.1°C]			59°F [15.0°C]		
CFM [L/s]		3840 [1812]	3345 [1579]	2560 [1208]	3840 [1812]	3345 [1579]	2560 [1208]	3840 [1812]	3345 [1579]	2560 [1208]	3840 [1812]	3345 [1579]	2560 [1208]	3840 [1812]	3345 [1579]	2560 [1208]
DR ①		0.19	0.17	0.12	0.19	0.17	0.12	0.19	0.17	0.12	0.19	0.17	0.12	0.19	0.17	0.12
75 [23.9]	Total BTUH [kW]	121.8 [35.7]	118.6 [34.8]	113.6 [33.3]	116.1 [34.0]	113.0 [33.1]	108.2 [31.7]	110.0 [32.2]	107.1 [31.4]	102.5 [30.0]	106.8 [31.3]	104.0 [30.5]	99.6 [29.2]	103.7 [30.4]	100.9 [29.6]	96.6 [28.3]
	Sens BTUH [kW]	75.6 [22.2]	70.7 [20.7]	63.0 [18.5]	85.1 [24.9]	79.6 [23.3]	70.9 [20.8]	92.9 [27.2]	86.9 [25.5]	77.4 [22.7]	95.9 [28.1]	89.7 [26.3]	79.9 [23.4]	98.1 [28.8]	91.8 [26.9]	81.7 [23.9]
	Power	6.4	6.3	6.1	6.3	6.2	6.1	6.3	6.2	6.1	6.2	6.2	6.0	6.2	6.1	6.0
80 [26.7]	Total BTUH [kW]	118.9 [34.8]	115.8 [33.9]	110.8 [32.5]	113.1 [33.1]	110.2 [32.3]	105.5 [30.9]	107.0 [31.4]	104.2 [30.5]	99.8 [29.2]	103.9 [29.6]	101.2 [29.7]	96.9 [28.4]	100.7 [29.5]	98.1 [28.7]	93.9 [27.5]
	Sens BTUH [kW]	74.4 [21.8]	69.6 [20.4]	62.0 [18.2]	83.9 [24.6]	78.5 [23.0]	69.9 [20.5]	91.7 [26.9]	85.8 [25.1]	76.4 [22.4]	94.7 [27.8]	88.6 [26.0]	78.9 [23.1]	96.9 [28.4]	90.7 [26.6]	80.7 [23.7]
	Power	6.7	6.6	6.4	6.6	6.5	6.4	6.6	6.5	6.3	6.5	6.4	6.3	6.5	6.4	6.3
85 [29.4]	Total BTUH [kW]	115.9 [34.0]	112.8 [33.1]	108.0 [31.7]	110.1 [32.3]	107.2 [31.4]	102.6 [30.1]	104.0 [30.5]	101.3 [29.7]	97.0 [28.4]	100.9 [29.6]	98.2 [28.8]	94.1 [27.6]	97.7 [28.6]	95.1 [27.9]	91.1 [26.7]
	Sens BTUH [kW]	73.0 [21.4]	68.3 [20.0]	60.8 [17.8]	82.5 [24.2]	77.2 [22.6]	68.7 [20.1]	90.3 [26.5]	84.5 [24.8]	75.2 [22.1]	93.3 [27.4]	87.3 [25.6]	77.8 [22.8]	95.5 [28.0]	89.4 [26.2]	79.6 [23.3]
	Power	7.0	6.9	6.7	6.9	6.8	6.7	6.9	6.8	6.7	6.9	6.8	6.6	6.8	6.7	6.6
90 [32.2]	Total BTUH [kW]	112.8 [33.0]	109.8 [32.2]	105.1 [30.8]	107.0 [31.4]	104.2 [30.5]	99.7 [29.2]	100.9 [29.6]	98.3 [28.8]	94.1 [27.6]	97.8 [28.7]	95.2 [27.9]	91.2 [26.7]	94.6 [27.7]	92.1 [27.0]	88.2 [25.8]
	Sens BTUH [kW]	71.4 [20.9]	66.8 [19.6]	59.5 [17.4]	80.9 [23.7]	75.7 [22.2]	67.4 [19.8]	88.8 [26.0]	83.0 [24.3]	73.9 [21.7]	91.8 [26.9]	85.8 [25.2]	76.4 [22.4]	94.0 [27.5]	87.9 [25.8]	78.3 [22.9]
	Power	7.3	7.2	7.1	7.3	7.2	7.0	7.2	7.1	7.0	7.2	7.1	7.0	7.2	7.1	6.9
95 [35]	Total BTUH [kW]	109.6 [32.1]	106.7 [31.3]	102.1 [29.9]	103.8 [30.4]	101.1 [29.6]	96.8 [28.4]	97.7 [28.6]	95.2 [27.9]	91.1 [26.7]	94.6 [27.7]	92.1 [27.0]	88.2 [25.8]	91.4 [26.8]	89.0 [26.1]	85.2 [25.0]
	Sens BTUH [kW]	69.7 [20.4]	65.2 [19.1]	58.0 [17.0]	79.2 [23.2]	74.1 [21.7]	66.0 [19.3]	87.0 [25.5]	81.4 [23.9]	72.5 [21.2]	90.0 [26.4]	84.2 [24.7]	75.0 [22.0]	91.4 [26.8]	86.3 [25.3]	76.8 [22.5]
	Power	7.7	7.6	7.5	7.7	7.6	7.4	7.6	7.5	7.4	7.6	7.5	7.3	7.6	7.5	7.3
100 [37.8]	Total BTUH [kW]	106.3 [31.1]	103.5 [30.3]	99.1 [29.0]	100.5 [29.5]	97.9 [28.7]	93.7 [27.5]	94.4 [27.7]	92.0 [26.9]	88.0 [25.8]	91.3 [26.8]	88.9 [26.1]	85.1 [24.9]	88.1 [25.8]	85.8 [25.1]	82.1 [24.1]
	Sens BTUH [kW]	67.7 [19.9]	63.4 [18.6]	56.4 [16.5]	77.2 [22.6]	72.3 [21.2]	64.3 [18.9]	85.1 [24.9]	79.6 [23.3]	70.9 [20.8]	88.1 [25.8]	82.4 [24.1]	73.4 [21.5]	88.1 [25.8]	84.4 [24.7]	75.2 [22.0]
	Power	8.1	8.0	7.9	8.1	8.0	7.8	8.0	7.9	7.8	8.0	7.9	7.7	8.0	7.9	7.7
105 [40.6]	Total BTUH [kW]	102.9 [30.2]	100.2 [29.4]	95.9 [28.1]	97.1 [28.5]	94.6 [27.7]	90.5 [26.5]	91.1 [26.7]	88.7 [26.0]	84.9 [24.9]	87.9 [25.8]	85.6 [25.1]	82.0 [24.0]	84.7 [24.8]	82.5 [24.2]	79.0 [23.1]
	Sens BTUH [kW]	65.6 [19.2]	61.4 [18.0]	54.7 [16.0]	75.1 [22.0]	70.3 [20.6]	62.6 [18.3]	82.9 [24.3]	77.6 [22.7]	69.1 [20.2]	85.9 [25.2]	80.4 [23.6]	71.6 [21.0]	84.7 [24.8]	82.5 [24.2]	73.4 [21.5]
	Power	8.6	8.5	8.3	8.5	8.4	8.2	8.5	8.4	8.2	8.5	8.3	8.2	8.4	8.3	8.1
110 [43.3]	Total BTUH [kW]	99.4 [29.1]	96.8 [28.4]	92.7 [27.2]	93.7 [27.4]	91.2 [26.7]	87.3 [25.6]	87.6 [25.7]	85.3 [25.0]	81.7 [23.9]	84.5 [24.7]	82.2 [24.1]	78.7 [23.1]	81.3 [23.8]	79.1 [23.2]	75.8 [22.2]
	Sens BTUH [kW]	63.3 [18.6]	59.2 [17.4]	52.7 [15.5]	72.8 [21.3]	68.1 [20.0]	60.6 [17.8]	80.6 [23.6]	75.4 [22.1]	67.2 [19.7]	83.6 [24.5]	78.2 [22.9]	69.7 [20.4]	81.3 [23.8]	79.1 [23.2]	71.5 [20.9]
	Power	9.0	8.9	8.7	9.0	8.9	8.7	8.9	8.8	8.6	8.9	8.8	8.6	8.9	8.8	8.6
115 [46.1]	Total BTUH [kW]	95.9 [28.1]	93.4 [27.4]	89.4 [26.2]	90.1 [26.4]	87.8 [25.7]	84.0 [24.6]	84.0 [24.6]	81.8 [24.0]	78.3 [23.0]	80.9 [23.7]	78.8 [23.1]	75.4 [22.1]	77.7 [22.8]	75.7 [22.2]	72.4 [21.2]
	Sens BTUH [kW]	60.8 [17.8]	56.9 [16.7]	50.6 [14.8]	70.3 [20.6]	65.8 [19.3]	58.6 [17.2]	78.1 [22.9]	73.1 [21.4]	65.1 [19.1]	80.9 [23.7]	75.9 [22.2]	67.6 [19.8]	77.7 [22.8]	75.7 [22.2]	69.4 [20.3]
	Power	9.5	9.4	9.2	9.5	9.4	9.2	9.4	9.3	9.1	9.4	9.3	9.1	9.4	9.3	9.1
120 [48.9]	Total BTUH [kW]	92.3 [27.0]	89.8 [26.3]	86.0 [25.2]	86.5 [25.3]	84.2 [24.7]	80.6 [23.6]	80.4 [23.6]	78.3 [22.9]	75.0 [22.0]	77.3 [22.6]	75.2 [22.0]	72.0 [21.1]	74.1 [21.7]	72.1 [21.1]	69.1 [20.2]
	Sens BTUH [kW]	58.1 [17.0]	54.4 [15.9]	48.4 [14.2]	67.6 [19.8]	63.2 [18.5]	56.3 [16.5]	75.4 [22.1]	70.6 [20.7]	62.8 [18.4]	77.3 [22.6]	73.4 [21.5]	65.3 [19.1]	74.1 [21.7]	72.1 [21.1]	67.2 [19.7]
	Power	10.1	9.9	9.7	10.0	9.9	9.7	10.0	9.8	9.6	10.0	9.8	9.6	9.9	9.8	9.6
125 [51.7]	Total BTUH [kW]	88.5 [25.9]	86.2 [25.3]	82.5 [24.2]	82.7 [24.2]	80.6 [23.6]	77.1 [22.6]	76.7 [22.5]	74.7 [21.9]	71.5 [20.9]	73.5 [21.5]	71.6 [21.0]	68.6 [20.1]	70.3 [20.6]	68.5 [20.1]	65.6 [19.2]
	Sens BTUH [kW]	55.2 [16.2]	51.7 [15.1]	46.0 [13.5]	64.7 [19.0]	60.5 [17.7]	53.9 [15.8]	72.6 [21.3]	67.9 [19.9]	60.4 [17.7]	73.5 [21.5]	70.7 [20.7]	62.9 [18.4]	70.3 [20.6]	68.5 [20.1]	64.8 [19.0]
	Power	10.6	10.5	10.3	10.6	10.4	10.2	10.5	10.4	10.2	10.5	10.4	10.2	10.5	10.4	10.1

DR —Depression ratio
dbE —Entering air dry bulb
wBE —Entering air wet bulb

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



HEATING PERFORMANCE DATA—RHPDZT102A

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			3840 [1812]	3345 [1579]	2560 [1208]	3840 [1812]	3345 [1579]	2560 [1208]	3840 [1812]	3345 [1579]	2560 [1208]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0°F [-17.8°C]	Total BTUH [kW] Power	59.6 [17.5] 5.7	59.0 [17.3] 5.8	58.0 [17.0] 6.0	64.6 [18.9] 6.3	63.9 [18.7] 6.4	62.9 [18.4] 6.6	69.6 [20.4] 7.0	68.9 [20.2] 7.1	67.8 [19.9] 7.3
	5°F [-15.0°C]	Total BTUH [kW] Power	62.9 [18.4] 5.8	62.3 [18.2] 5.9	61.2 [17.9] 6.1	67.9 [19.9] 6.4	67.2 [19.7] 6.5	66.1 [19.4] 6.7	73.0 [21.4] 7.1	72.2 [21.2] 7.2	71.0 [20.8] 7.4
	10°F [-12.2°C]	Total BTUH [kW] Power	66.3 [19.4] 5.8	65.6 [19.2] 6.0	64.5 [18.9] 6.1	71.3 [20.9] 6.4	70.5 [20.7] 6.6	69.4 [20.3] 6.7	76.3 [22.4] 7.1	75.5 [22.1] 7.3	74.2 [21.8] 7.5
	15°F [-9.4°C]	Total BTUH [kW] Power	69.6 [20.4] 5.9	68.9 [20.2] 6.0	67.7 [19.8] 6.2	74.6 [21.9] 6.5	73.8 [21.6] 6.6	72.6 [21.3] 6.8	79.6 [23.3] 7.2	78.8 [23.1] 7.4	77.5 [22.7] 7.6
	20°F [-6.7°C]	Total BTUH [kW] Power	72.9 [21.4] 6.0	72.2 [21.1] 6.1	71.0 [20.8] 6.3	77.9 [22.8] 6.6	77.1 [22.6] 6.7	75.8 [22.2] 6.9	83.0 [24.3] 7.3	82.1 [24.1] 7.4	80.7 [23.7] 7.6
	25°F [-3.9°C]	Total BTUH [kW] Power	76.3 [22.3] 6.1	75.5 [22.1] 6.2	74.2 [21.7] 6.4	81.3 [23.8] 6.6	80.4 [23.6] 6.8	79.1 [23.2] 7.0	86.3 [25.3] 7.4	85.4 [25.0] 7.5	84.0 [24.6] 7.7
	30°F [-1.1°C]	Total BTUH [kW] Power	79.6 [23.3] 6.1	78.8 [23.1] 6.2	77.4 [22.7] 6.4	84.6 [24.8] 6.7	83.7 [24.5] 6.8	82.3 [24.1] 7.0	89.6 [26.3] 7.4	88.7 [26.0] 7.6	87.2 [25.6] 7.8
	35°F [1.7°C]	Total BTUH [kW] Power	82.9 [24.3] 6.2	82.0 [24.0] 6.3	80.7 [23.6] 6.5	87.9 [25.8] 6.8	87.0 [25.5] 6.9	85.6 [25.1] 7.1	93.0 [27.2] 7.5	92.0 [27.0] 7.6	90.4 [26.5] 7.9
	40°F [4.4°C]	Total BTUH [kW] Power	86.2 [25.3] 6.3	85.3 [25.0] 6.4	83.9 [24.6] 6.6	91.3 [26.7] 6.9	90.3 [26.5] 7.0	88.8 [26.0] 7.2	96.3 [28.2] 7.6	95.3 [27.9] 7.7	93.7 [27.5] 7.9
	45°F [7.2°C]	Total BTUH [kW] Power	89.6 [26.3] 6.3	88.6 [26.0] 6.5	87.2 [25.5] 6.7	94.6 [27.7] 6.9	93.6 [27.4] 7.1	92.0 [27.0] 7.3	99.6 [29.2] 7.6	98.6 [28.9] 7.8	96.9 [28.4] 8.0
	50°F [10.0°C]	Total BTUH [kW] Power	92.9 [27.2] 6.4	91.9 [26.9] 6.5	90.4 [26.5] 6.7	97.9 [28.7] 7.0	96.9 [28.4] 7.1	95.3 [27.9] 7.3	103.0 [30.2] 7.7	101.9 [29.9] 7.9	100.2 [29.4] 8.1

IDB—Indoor air dry bulb

[] Designates Metric Conversions



Air

Gross Systems Performance Data
RHPD Series

COOLING PERFORMANCE DATA — RHPDZT120A

wBE		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①												61°F [16.1°C]				59°F [15.0°C]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [1916]			4560 [2152]			4060 [19

DR —Depression ratio
dbE —Entering air dry bulb
wBE —Entering air wet bulb

NOTES: ① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

[] Designates Metric Conversions



HEATING PERFORMANCE DATA—RHPDZT120A

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			4560 [2152]	4060 [1916]	3040 [1435]	4560 [2152]	4060 [1916]	3040 [1435]	4560 [2152]	4060 [1916]	3040 [1435]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0°F [-17.8°C]	Total BTUH [kW] Power	47.5 [13.9] 5.8	47.1 [13.8] 5.9	46.2 [13.5] 6.1	43.9 [12.9] 6.5	43.5 [12.7] 6.6	42.7 [12.5] 6.8	40.2 [11.8] 7.3	39.9 [11.7] 7.4	39.1 [11.5] 7.7
	5°F [-15.0°C]	Total BTUH [kW] Power	54.6 [16.0] 5.9	54.1 [15.9] 6.0	53.1 [15.6] 6.2	50.9 [14.9] 6.6	50.5 [14.8] 6.7	49.6 [14.5] 6.9	47.3 [13.9] 7.4	46.9 [13.7] 7.5	46.0 [13.5] 7.8
	10°F [-12.2°C]	Total BTUH [kW] Power	61.7 [18.1] 6.0	61.1 [17.9] 6.1	60.0 [17.6] 6.3	58.0 [17.0] 6.7	57.5 [16.9] 6.8	56.5 [16.5] 7.1	54.4 [15.9] 7.5	53.9 [15.8] 7.6	52.9 [15.5] 7.9
	15°F [-9.4°C]	Total BTUH [kW] Power	68.7 [20.1] 6.1	68.1 [20.0] 6.2	66.9 [19.6] 6.4	65.1 [19.1] 6.9	64.5 [18.9] 7.0	63.4 [18.6] 7.2	61.4 [18.0] 7.6	60.9 [17.8] 7.8	59.8 [17.5] 8.0
	20°F [-6.7°C]	Total BTUH [kW] Power	75.8 [22.2] 6.3	75.1 [22.0] 6.4	73.8 [21.6] 6.6	72.2 [21.1] 7.0	71.5 [21.0] 7.1	70.3 [20.6] 7.3	68.5 [20.1] 7.8	67.9 [19.9] 7.9	66.7 [19.5] 8.1
	25°F [-3.9°C]	Total BTUH [kW] Power	82.9 [24.3] 6.4	82.2 [24.1] 6.5	80.7 [23.6] 6.7	79.2 [23.2] 7.1	78.6 [23.0] 7.2	77.1 [22.6] 7.4	75.6 [22.2] 7.9	74.9 [22.0] 8.0	73.6 [21.6] 8.2
	30°F [-1.1°C]	Total BTUH [kW] Power	90.0 [26.4] 6.5	89.2 [26.1] 6.6	87.6 [25.7] 6.8	86.3 [25.3] 7.2	85.6 [25.1] 7.3	84.0 [24.6] 7.5	82.7 [24.2] 8.0	82.0 [24.0] 8.1	80.5 [23.6] 8.4
	35°F [1.7°C]	Total BTUH [kW] Power	97.0 [28.4] 6.6	96.2 [28.2] 6.7	94.5 [27.7] 6.9	93.4 [27.4] 7.3	92.6 [27.1] 7.4	90.9 [26.6] 7.7	89.8 [26.3] 8.1	89.0 [26.1] 8.2	87.4 [25.6] 8.5
	40°F [4.4°C]	Total BTUH [kW] Power	104.1 [30.5] 6.7	103.2 [30.2] 6.8	101.4 [29.7] 7.0	100.5 [29.4] 7.4	99.6 [29.2] 7.5	97.8 [28.7] 7.8	96.8 [28.4] 8.2	96.0 [28.1] 8.3	94.3 [27.6] 8.6
	45°F [7.2°C]	Total BTUH [kW] Power	111.2 [32.6] 6.8	110.2 [32.3] 6.9	108.2 [31.7] 7.1	107.6 [31.5] 7.5	106.6 [31.2] 7.6	104.7 [30.7] 7.9	103.9 [30.4] 8.3	103.0 [30.2] 8.4	101.2 [29.6] 8.7
	50°F [10.0°C]	Total BTUH [kW] Power	118.3 [34.7] 6.9	117.2 [34.4] 7.0	115.1 [33.7] 7.3	114.6 [33.6] 7.6	113.6 [33.3] 7.8	111.6 [32.7] 8.0	111.0 [32.5] 8.4	110.0 [32.2] 8.6	108.0 [31.7] 8.8

IDB—Indoor air dry bulb

[] Designates Metric Conversions

AIRFLOW PERFORMANCE— 7.5 TON [26.4 kW] — 60 Hz — DOWNFLOW

Air Flow CFM [L/s]	Model RHPDZ*090* Voltage 208/230, 460, 575 — 3 phase 60 Hz																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	External Static Pressure—Inches of Water [kPa]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	0.1 [0.02] RPM	0.2 [0.05] RPM	0.3 [0.07] RPM	0.4 [0.10] RPM	0.5 [0.12] RPM	0.6 [0.15] RPM	0.7 [0.17] RPM	0.8 [0.20] RPM	0.9 [0.22] RPM	1.0 [0.25] RPM	1.1 [0.27] RPM	1.2 [0.30] RPM	1.3 [0.32] RPM	1.4 [0.35] RPM	1.5 [0.37] RPM	1.6 [0.40] RPM	1.7 [0.42] RPM	1.8 [0.45] RPM	1.9 [0.47] RPM	2.0 [0.50] RPM	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

NOTE: A/F—Drive left of the bold line, B/G—Drive right of bold lines, C/H—Drive right of double line.

Drive Package	A/F										B/G										C/H									
Motor H.P. [W]	2 [1491.4]										3 [2237.1]										3 [2237.1]									
Blower Sheave	AK84H										AK84H										AK84H									
Motor Sheave	1VL40*7/8										1VP50*7/8										1VP56*7/8									
Belt	A49										A50										A51									
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5												
RPM	767	721	678	635	590	548	992	949	908	866	823	782	1108	1067	1029	987	946	905												

NOTES: 1. Factory sheave settings are shown in bold type.

2. Do not set motor sheave below minimum or maximum turns open shown.

3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure

4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE — 7.5 TON [26.4 kW] — 60 Hz — DOWNFLOW (con't.)

		AIRFLOW CORRECTION FACTORS *			COMPONENT AIRFLOW RESISTANCE					
Airflow		Total MBH	Sensible MBH	Power kW	Wet Coil	Vertical Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & Concentric Adapter RXMC-DD01 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13
CFM [L/s]							Resistance — Inches of Water [kPa]			
2400 [1133]		0.97	0.92	0.99	0.06 [.01]	0.01 [.00]	0.66 [.16]	0.53 [.13]	0.093 [.02]	0.047 [.01]
2500 [1180]		0.98	0.93	0.99	0.06 [.01]	0.02 [.00]	0.71 [.18]	0.57 [.14]	0.098 [.02]	0.055 [.01]
2600 [1227]		0.99	0.95	0.99	0.06 [.02]	0.02 [.01]	0.75 [.19]	0.60 [.15]	0.103 [.02]	0.062 [.01]
2700 [1274]		0.99	0.96	0.99	0.07 [.02]	0.03 [.01]	0.80 [.20]	0.65 [.16]	0.108 [.03]	0.070 [.02]
2800 [1321]		0.99	0.98	1.00	0.07 [.02]	0.04 [.01]	0.85 [.21]	0.69 [.17]	0.113 [.03]	0.078 [.02]
2900 [1368]		1.00	1.00	1.00	0.08 [.02]	0.04 [.01]	0.91 [.23]	0.74 [.18]	0.117 [.03]	0.085 [.02]
3000 [1416]		1.01	1.01	1.00	0.08 [.02]	0.05 [.01]	0.96 [.24]	0.79 [.20]	0.122 [.03]	0.093 [.02]
3100 [1463]		1.01	1.03	1.00	0.09 [.02]	0.06 [.02]	1.02 [.25]	0.86 [.21]	0.127 [.03]	0.100 [.02]
3200 [1510]		1.02	1.04	1.01	0.10 [.02]	0.07 [.02]	1.08 [.27]	0.92 [.23]	0.132 [.03]	0.108 [.03]
3300 [1557]		1.02	1.06	1.01	0.10 [.02]	0.08 [.02]	1.15 [.29]	0.99 [.25]	0.137 [.03]	0.115 [.03]
3400 [1604]		1.03	1.08	1.01	0.11 [.03]	0.09 [.02]	1.21 [.30]	1.05 [.26]	0.142 [.03]	0.123 [.03]
3500 [1652]		1.04	1.09	1.01	0.11 [.03]	0.10 [.02]	1.29 [.32]	1.09 [.27]	0.147 [.04]	0.131 [.03]
3600 [1699]		1.04	1.11	1.02	0.12 [.03]	0.11 [.03]	1.36 [.34]	1.13 [.28]	0.152 [.04]	0.138 [.03]

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE— 7.5 TON [26.4 kW] — 60 Hz — SIDEFLOW

Air Flow CFM [L/s]	Model RHPDZ*090*																								Voltage 208/230, 460, 575 — 3 phase 60 Hz																								External Static Pressure—Inches of Water [kPa]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	0.1 [0.02]						0.2 [0.05]						0.3 [0.07]						0.4 [0.10]						0.5 [0.12]						0.6 [0.15]						0.7 [0.17]						0.8 [0.20]						0.9 [0.22]						1.0 [0.25]						1.1 [0.27]						1.2 [0.30]						1.3 [0.32]						1.4 [0.35]						1.5 [0.37]						1.6 [0.40]						1.7 [0.42]						1.8 [0.45]						1.9 [0.47]						2.0 [0.50]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM

NOTE: AF—Drive left of the bold line, B/G—Drive right of bold lines, C/H—Drive right of double line.

Drive Package	A/F						B/G						C/H					
Motor H.P. [W]	2 [1491.4]						3 [2237.1]						3 [2237.1]					
Blower Sheave	AK84H						AK84H						AK84H					
Motor Sheave	1VL40*7/8						1VP50*7/8						1VP56*7/8					
Belt	A49						A50						A51					
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5
RPM	765	720	676	633	589	544	989	949	908	865	823	780	1108	1067	1029	987	946	905

NOTES: 1. Factory sheave settings are shown in bold type.

2. Do not set motor sheave below minimum or maximum turns open shown.

3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure

4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE — 7.5 TON [26.4 kW] — 60 Hz — SIDEFLOW (con't.)



Air

Airflow Performance
RHPD Series

		AIRFLOW CORRECTION FACTORS *				COMPONENT AIRFLOW RESISTANCE				
Airflow		Total MBH	Sensible MBH	Power kW	Wet Coil	Horizontal Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & Concentric Adapter RXMC-DD01 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13
CFM [L/s]							Resistance — Inches of Water [kPa]			
2400 [1133]		0.97	0.92	0.99	0.06 [.01]	0.21 [0.05]	0.66 [.16]	0.53 [.13]	0.093 [.02]	0.047 [.01]
2500 [1180]		0.97	0.93	0.99	0.06 [.01]	0.25 [0.06]	0.71 [.18]	0.57 [.14]	0.098 [.02]	0.055 [.01]
2600 [1227]		0.98	0.95	0.99	0.06 [.02]	0.28 [0.07]	0.75 [.19]	0.60 [.15]	0.103 [.02]	0.062 [.01]
2700 [1274]		0.99	0.96	0.99	0.07 [.02]	0.32 [0.08]	0.80 [.20]	0.65 [.16]	0.108 [.03]	0.070 [.02]
2800 [1321]		0.99	0.98	1.00	0.07 [.02]	0.36 [0.09]	0.85 [.21]	0.69 [.17]	0.113 [.03]	0.078 [.02]
2900 [1368]		1.00	1.00	1.00	0.08 [.02]	0.39 [0.10]	0.91 [.23]	0.74 [.18]	0.117 [.03]	0.085 [.02]
3000 [1416]		1.01	1.01	1.00	0.08 [.02]	0.43 [0.11]	0.96 [.24]	0.79 [.20]	0.122 [.03]	0.093 [.02]
3100 [1463]		1.01	1.03	1.00	0.09 [.02]	0.47 [0.12]	1.02 [.25]	0.86 [.21]	0.127 [.03]	0.100 [.02]
3200 [1510]		1.02	1.04	1.01	0.10 [.02]	0.51 [0.13]	1.08 [.27]	0.92 [.23]	0.132 [.03]	0.108 [.03]
3300 [1557]		1.02	1.06	1.01	0.10 [.03]	0.54 [0.14]	1.15 [.29]	0.99 [.25]	0.137 [.03]	0.115 [.03]
3400 [1604]		1.03	1.08	1.01	0.11 [.03]	0.58 [0.14]	1.21 [.30]	1.05 [.26]	0.142 [.03]	0.123 [.03]
3500 [1652]		1.04	1.09	1.01	0.11 [.03]	0.62 [0.15]	1.29 [.32]	1.09 [.27]	0.147 [.04]	0.131 [.03]
3600 [1699]		1.04	1.11	1.02	0.12 [.03]	0.66 [0.16]	1.36 [.34]	1.13 [.28]	0.152 [.04]	0.138 [.03]

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions



INTEGRATED AIR & WATER

AIRFLOW PERFORMANCE—8.5 TON [29.9 kW] — 60 Hz — DOWNFLOW

Air Flow CFM [L/s]	Voltage 208/230, 460, 575 — 3 phase 60 Hz																							
	Model RHPDZ*102*												External Static Pressure—Inches of Water [kPa]											
	0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]				
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W			
2700 [1274]	—	—	561 894	596 934	631 975	665 1018	698 1062	730 1108	762 1155	793 1203	823 1253	853 1304	882 1357	910 1411	937 1467	964 1524	990 1583	1015 1643	1039 1704	1063 1767	1086 1832			
2800 [1321]	—	—	573 927	608 969	642 1013	676 1058	708 1104	740 1152	771 1201	802 1252	832 1304	861 1358	889 1413	917 1470	943 1528	970 1587	995 1648	1020 1711	1044 1775	1067 1840	1090 1907			
2900 [1368]	—	—	586 964	620 1008	654 1054	687 1101	719 1150	750 1200	781 1252	811 1305	840 1360	869 1416	897 1473	924 1532	950 1593	976 1654	1001 1718	1025 1782	1048 1848	1071 1916	1093 1985			
3000 [1416]	564 959	599 1004	633 1051	666 1099	698 1149	730 1200	761 1253	791 1307	820 1362	849 1419	877 1477	904 1537	931 1598	957 1661	982 1725	1006 1791	1030 1858	1053 1926	1075 1996	1107 2067				
3100 [1463]	578 1001	612 1048	645 1098	678 1148	710 1200	741 1254	771 1308	801 1365	830 1423	858 1482	886 1542	912 1605	939 1668	964 1733	989 1800	1012 1868	1036 1937	1058 2008	1080 2080	1101 2154				
3200 [1510]	592 1046	625 1096	658 1148	690 1201	721 1255	752 1311	782 1368	811 1427	840 1487	867 1548	894 1611	921 1676	946 1742	971 1809	995 1878	1019 1948	1041 2020	1063 2093	1085 2168	1105 2244				
3300 [1557]	605 1096	638 1148	671 1202	702 1257	733 1314	763 1372	793 1432	821 1493	849 1555	877 1619	903 1684	929 1751	954 1819	979 1889	1002 1960	1025 2033	1047 2107	1069 2182	1090 2259	1110 2337				
3400 [1604]	619 1149	652 1204	684 1260	715 1317	745 1376	775 1437	804 1499	832 1562	860 1627	886 1693	912 1761	938 1830	962 1900	986 1972	1009 2046	1032 2121	1053 2197	1074 2275	1095 2354	1114 2435				
3500 [1652]	634 1206	666 1263	697 1322	728 1382	758 1443	787 1506	815 1570	843 1635	870 1702	896 1771	922 1841	946 1912	970 1985	994 2060	1017 2135	1038 2213	1060 2291	1080 2371	1100 2453	1119 2536				
3600 [1699]	648 1267	680 1326	711 1387	741 1449	770 1513	799 1578	827 1645	854 1713	880 1782	906 1853	931 1925	955 1999	979 2074	1002 2151	1024 2229	1045 2308	1066 2389	1086 2472	1105 2556	1124 2641				
3700 [1746]	663 1332	694 1393	724 1456	754 1521	783 1587	811 1654	838 1723	865 1793	891 1865	916 1938	941 2013	965 2089	988 2167	1010 2246	1032 2326	1053 2408	1073 2491	1092 2576	1111 2662	1129 2750				
3800 [1793]	678 1400	708 1464	738 1529	767 1596	795 1665	823 1734	850 1805	876 1878	902 1952	926 2028	951 2105	974 2183	996 2263	1018 2344	1039 2427	1060 2511	1080 2597	1099 2684	1117 2772	1134 2862				
3900 [1840]	693 1472	723 1538	752 1606	781 1675	808 1746	836 1818	862 1892	888 1966	913 2043	937 2121	961 2200	983 2281	1005 2363	1027 2447	1048 2532	1067 2618	1087 2706	1105 2796	1123 2886	1140 2979				
4000 [1888]	708 1548	737 1617	766 1687	794 1758	822 1831	848 1906	874 1981	900 2059	924 2137	948 2218	971 2299	993 2382	1015 2467	1036 2553	1056 2640	1075 2729	1094 2819	1112 2911	1129 3004	1146 3099				
4100 [1935]	723 1628	752 1699	781 1771	808 1845	835 1920	861 1997	887 2075	911 2155	935 2236	959 2318	981 2402	1003 2488	1024 2574	1045 2663	1064 2752	1083 2844	1101 2936	1119 3030	1136 3126	1152 3223				

NOTE: A/F—Drive left of the bold line, B/G—Drive right of bold lines, C/H—Drive right of double line.

Drive Package	A/F						B/G						C/H					
Motor H.P. [W]	2 [1491.4]						3 [2237.1]						3 [2237.1]					
Blower Sheave	AK79H						AK79H						AK79H					
Motor Sheave	1VL40*7/8						1VP50*7/8						1VP56*7/8					
Belt	A49						A50						A51					
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5
RPM	804	758	710	661	616	559	1048	1003	959	914	872	826	1168	1128	1087	1044	1002	957

NOTES: 1. Factory sheave settings are shown in bold type.

2. Do not set motor sheave below minimum or maximum turns open shown.

3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure

4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—8.5 TON [29.9 kW] — 60 Hz — DOWNFLOW (con't.)



Air

Airflow Performance
RHPD Series

Airflow	AIRFLOW CORRECTION FACTORS*				COMPONENT AIRFLOW RESISTANCE					
	CFM [L/s]	Total MBH	Sensible MBH	Power kW	Wet Coil	Vertical Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & Concentric Adapter RXMC-DD01 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13
	2700 [1274]	0.99	0.96	0.99	0.07 [.02]	0.03 [.01]	0.80 [.20]	0.65 [.16]	0.108 [.03]	0.070 [.02]
	2800 [1321]	0.99	0.98	1.00	0.07 [.02]	0.03 [.01]	0.85 [.21]	0.69 [.17]	0.113 [.03]	0.078 [.02]
	2900 [1368]	1.00	1.00	1.00	0.08 [.02]	0.04 [.01]	0.91 [.23]	0.74 [.18]	0.117 [.03]	0.0851 [.02]
	3000 [1416]	1.01	1.01	1.00	0.08 [.02]	0.05 [.01]	0.96 [.24]	0.79 [.20]	0.122 [.03]	0.093 [.02]
	3100 [1463]	1.01	1.03	1.00	0.09 [.02]	0.06 [.01]	1.02 [.25]	0.86 [.21]	0.127 [.03]	0.100 [.02]
	3200 [1510]	1.02	1.04	1.01	0.10 [.02]	0.07 [.02]	1.08 [.27]	0.92 [.23]	0.132 [.03]	0.108 [.03]
	3300 [1557]	1.02	1.06	1.01	0.10 [.03]	0.08 [.02]	1.15 [.29]	0.99 [.25]	0.137 [.03]	0.115 [.03]
	3400 [1604]	1.03	1.08	1.01	0.11 [.03]	0.09 [.02]	1.21 [.30]	1.05 [.26]	0.142 [.03]	0.123 [.03]
	3500 [1652]	1.04	1.09	1.01	0.11 [.03]	0.10 [.02]	1.29 [.32]	1.09 [.27]	0.147 [.04]	0.131 [.03]
	3600 [1699]	1.04	1.11	1.02	0.12 [.03]	0.11 [.03]	1.36 [.34]	1.13 [.28]	0.152 [.04]	0.138 [.03]
	3700 [1746]	1.05	1.12	1.02	0.13 [.03]	0.12 [.03]	1.43 [.36]	1.18 [.29]	0.157 [.04]	0.146 [.04]
	3800 [1793]	1.05	1.14	1.02	0.13 [.03]	0.13 [.03]	1.50 [.37]	1.23 [.31]	0.162 [.04]	0.153 [.04]
	3900 [1840]	1.06	1.16	1.02	0.14 [.04]	0.15 [.04]	1.59 [.40]	1.31 [.33]	0.167 [.04]	0.161 [.04]
	4000 [1888]	1.07	1.17	1.02	0.14 [.04]	0.16 [.04]	1.68 [.42]	1.38 [.34]	0.171 [.04]	0.169 [.04]
	4100 [1935]	1.07	1.19	1.03	0.15 [.04]	0.17 [.04]	1.74 [.43]	1.44 [.36]	0.176 [.04]	0.176 [.04]

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions



INTEGRATED AIR & WATER

AIRFLOW PERFORMANCE—8.5 TON [29.9 kW] — 60 Hz — SIDEFLOW

Air Flow CFM [L/s]		Voltage 208/230, 460, 575 — 3 phase 60 Hz																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		Model RHPDZ*102*												External Static Pressure—Inches of Water [kPa]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

NOTE: A/F—Drive left of the bold line, B/G—Drive right of bold lines, C/H—Drive right of double line.

Drive Package	A/F				B/G				C/H			
Motor H.P. [W]	2 [1491.4]				3 [2237.1]				3 [2237.1]			
Blower Sheave	AK79H				AK79H				AK79H			
Motor Sheave	1VL40*7/8				1VP50*7/8				1VP56*7/8			
Belt	A49				A50				A51			
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5
RPM	802	754	707	662	616	555	1048	1005	960	916	870	827

NOTES: 1. Factory sheave settings are shown in bold type.
2. Do not set motor sheave below minimum or maximum turns open shown.
3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure
4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE—8.5 TON [29.9 kW] — 60 Hz — SIDEFLOW (con't.)

Airflow	AIRFLOW CORRECTION FACTORS *				COMPONENT AIRFLOW RESISTANCE						
	CFM [L/s]	Total MBH	Sensible MBH	Power kW	Wet Coil	Horizontal Economizer RA Damper Open	Concentric Diffuser RXRN-AEF2000 & Concentric Adapter RXMC-DD01 (Flush)	Concentric Diffuser RXRN-AED2000 & Concentric Adapter RXMC-DD01 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13	
											Resistance — Inches of Water [kPa]
2700 [1274]	0.99	0.96	0.99	0.99	0.07 [.02]	0.32 [0.08]	0.80 [.20]	0.65 [.16]	0.108 [.03]	0.070 [.02]	
2800 [1321]	0.99	0.98	1.00	1.00	0.07 [.02]	0.36 [0.09]	0.85 [.21]	0.69 [.17]	0.113 [.03]	0.078 [.02]	
2900 [1368]	1.00	1.00	1.00	1.00	0.08 [.02]	0.39 [0.10]	0.91 [.23]	0.74 [.18]	0.117 [.03]	0.0851 [.02]	
3000 [1416]	1.01	1.01	1.00	1.00	0.08 [.02]	0.43 [0.11]	0.96 [.24]	0.79 [.20]	0.122 [.03]	0.093 [.02]	
3100 [1463]	1.01	1.03	1.00	1.00	0.09 [.02]	0.47 [0.12]	1.02 [.25]	0.86 [.21]	0.127 [.03]	0.100 [.02]	
3200 [1510]	1.02	1.04	1.01	1.01	0.10 [.02]	0.51 [0.13]	1.08 [.27]	0.92 [.23]	0.132 [.03]	0.108 [.03]	
3300 [1557]	1.02	1.06	1.01	1.01	0.10 [.03]	0.54 [0.14]	1.15 [.29]	0.99 [.25]	0.137 [.03]	0.115 [.03]	
3400 [1604]	1.03	1.08	1.01	1.01	0.11 [.03]	0.58 [0.14]	1.21 [.30]	1.05 [.26]	0.142 [.03]	0.123 [.03]	
3500 [1652]	1.04	1.09	1.01	1.01	0.11 [.03]	0.62 [0.15]	1.29 [.32]	1.09 [.27]	0.147 [.04]	0.131 [.03]	
3600 [1699]	1.04	1.11	1.02	1.02	0.12 [.03]	0.66 [0.16]	1.36 [.34]	1.13 [.28]	0.152 [.04]	0.138 [.03]	
3700 [1746]	1.05	1.12	1.02	1.02	0.13 [.03]	0.70 [0.17]	1.43 [.36]	1.18 [.29]	0.157 [.04]	0.146 [.04]	
3800 [1793]	1.05	1.14	1.02	1.02	0.13 [.03]	0.74 [0.18]	1.50 [.37]	1.23 [.31]	0.162 [.04]	0.153 [.04]	
3900 [1840]	1.06	1.16	1.02	1.02	0.14 [.04]	0.77 [0.19]	1.59 [.40]	1.31 [.33]	0.167 [.04]	0.161 [.04]	
4000 [1888]	1.07	1.17	1.02	1.02	0.15 [.04]	0.81 [0.20]	1.68 [.42]	1.38 [.34]	0.171 [.04]	0.169 [.04]	
4100 [1935]	1.07	1.19	1.03	1.03	0.15 [.04]	0.85 [0.21]	1.74 [.43]	1.44 [.36]	0.176 [.04]	0.176 [.04]	

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE— 10 TON [35.1 kW] — 60 Hz — DOWNFLOW

Air Flow CFM [L/s]	Voltage 208/230, 460, 575 — 3 phase 60 Hz																																							
	Model RHPDZ*120*												External Static Pressure—Inches of Water [kPa]																											
	0.1 [0.02]	0.2 [0.05]	0.3 [0.07]	0.4 [0.10]	0.5 [0.12]	0.6 [0.15]	0.7 [0.17]	0.8 [0.20]	0.9 [0.22]	1.0 [0.25]	1.1 [0.27]	1.2 [0.30]	1.3 [0.32]	1.4 [0.35]	1.5 [0.37]	1.6 [0.40]	1.7 [0.42]	1.8 [0.45]	1.9 [0.47]	2.0 [0.50]																				
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W																			
3200 [1510]	620	952	648	1005	676	1059	704	1115	732	1174	759	1234	785	1295	812	1359	838	1425	864	1492	889	1562	914	1633	939	1706	964	1781	988	1858	1011	1937	1035	2017	1058	2100	1081	2184	1103	2270
3300 [1557]	634	998	662	1053	690	1110	718	1169	745	1229	771	1292	798	1356	824	1422	850	1491	875	1561	900	1632	925	1706	949	1782	973	1859	997	1939	1020	2020	1043	2103	1066	2188	1088	2275	1110	2363
3400 [1604]	649	1049	677	1106	704	1166	731	1227	758	1290	784	1355	810	1422	836	1491	861	1561	886	1634	911	1708	935	1784	959	1863	983	1942	1006	2024	1029	2108	1052	2194	1074	2281	1096	2370	1118	2462
3500 [1652]	663	1105	691	1165	718	1227	744	1291	771	1356	797	1424	822	1493	848	1564	873	1637	897	1712	922	1789	946	1868	969	1948	993	2031	1016	2115	1038	2201	1060	2289	1082	2379	1104	2471	1125	2565
3600 [1699]	678	1166	705	1229	732	1293	758	1359	784	1427	809	1497	835	1569	860	1643	884	1718	909	1796	932	1875	956	1956	979	2039	1002	2124	1025	2211	1047	2300	1069	2390	1091	2483	1112	2577	1133	2673
3700 [1746]	693	1232	719	1297	745	1364	771	1433	797	1503	822	1576	847	1650	872	1726	896	1804	920	1884	943	1966	967	2050	990	2135	1012	2223	1034	2312	1056	2403	1078	2496	1099	2591	1120	2688	1140	2787
3800 [1793]	707	1303	734	1371	759	1440	785	1511	810	1584	835	1659	860	1736	884	1815	908	1896	931	1978	954	2062	977	2148	1000	2237	1022	2326	1044	2418	1065	2512	1086	2607	1107	2705	1128	2804	1148	2905
3900 [1840]	722	1380	748	1450	773	1521	799	1595	823	1671	848	1748	872	1827	896	1909	919	1992	942	2077	965	2163	988	2252	1010	2343	1032	2435	1053	2529	1074	2626	1095	2724	1116	2823	1136	2925	1156	3029
4000 [1888]	737	1461	762	1533	787	1608	812	1684	837	1762	861	1842	884	1924	908	2007	931	2093	954	2180	976	2270	998	2361	1020	2454	1042	2549	1063	2646	1083	2744	1104	2845	1124	2947	1144	3051	1163	3158
4100 [1935]	752	1547	777	1622	801	1699	826	1778	850	1858	874	1941	897	2025	920	2111	943	2199	965	2289	987	2381	1009	2475	1030	2570	1051	2668	1072	2767	1093	2868	1113	2971	1132	3076	1152	3183	—	—
4200 [1982]	766	1639	791	1716	815	1796	839	1877	863	1960	887	2045	910	2132	932	2220	955	2311	977	2403	998	2497	1020	2594	1041	2692	1061	2792	1082	2893	1102	2997	1121	3102	1141	3210	1160	3319	—	—
4300 [2029]	781	1735	806	1815	830	1897	853	1981	877	2066	900	2154	922	2243	944	2334	966	2427	988	2522	1009	2619	1030	2718	1051	2818	1071	2920	1091	3025	1111	3131	1130	3239	1149	3349	—	—	—	—
4400 [2076]	796	1837	820	1919	844	2004	867	2090	890	2178	913	2268	935	2360	957	2453	978	2549	1000	2646	1021	2745	1041	2847	1061	2950	1081	3054	1101	3161	1120	3270	1139	3380	1158	3493	—	—	—	—
4500 [2123]	811	1944	835	2029	858	2115	881	2204	903	2295	926	2387	947	2481	969	2577	990	2675	1011	2775	1032	2877	1052	2981	1072	3086	1091	3194	1111	3303	1130	3414	1148	3527	—	—	—	—	—	—
4600 [2171]	826	2056	849	2143	872	2232	895	2323	917	2416	939	2511	960	2608	981	2707	1002	2807	1023	2910	1043	3014	1063	3120	1082	3228	1101	3338	1120	3449	1139	3563	1157	3679	—	—	—	—	—	—
4700 [2218]	841	2172	864	2262	886	2354	908	2448	930	2543	952	2641	973	2740	994	2841	1014	2944	1034	3049	1054	3156	1074	3264	1093	3375	1112	3487	1130	3601	1148	3717	—	—	—	—	—	—	—	—
4800 [2265]	856	2294	878	2387	900	2481	922	2577	944	2675	965	2775	986	2877	1006	2980	1026	3086	1046	3193	1065	3302	1084	3414	1103	3526	1122	3641	1140	3758	1158	3877	—	—	—	—	—	—	—	—

NOTE: A/F—Drive left of the bold line, B/G—Drive right of bold lines, C/H—Drive right of double line.

Drive Package	A/F												B/G												C/H											
Motor H.P. [W]	2 [1491.4]												3 [2237.1]												3 [2237.1]											
Blower Sheave	AK79H												AK79H												AK79H											
Motor Sheave	1VL40*7/8												1VP50*7/8												1VP56*7/8											
Belt	A49												A50												A51											
Turns Open	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5	0	1	2	3	4	5												
RPM	826	781	735	689	643	591	1041	999	956	914	870	826	1159	1121	1080	1039	998	955	826	786	744	702	660	618												

- NOTES: 1. Factory sheave settings are shown in bold type.
2. Do not set motor sheave below minimum or maximum turns open shown.
3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure
4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

[] Designates Metric Conversions

AIRFLOW PERFORMANCE— 10 TON [35.1 kW] — 60 Hz — DOWNFLOW (con't.)



Airflow	AIRFLOW CORRECTION FACTORS*			COMPONENT AIRFLOW RESISTANCE						
	CFM [L/s]	Total MBH	Sensible MBH	Power kW	Wet Coil	Vertical Economizer RA Damper Open	Concentric Diffuser RXRN-AEF3415 & Diffuser RXMC-DD02 (Flush)	Concentric Diffuser RXRN-AED3415 & Diffuser RXMC-DD02 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13
							Resistance — Inches of Water [kPa]			
3200 [1510]	0.96	0.91	0.98		0.07 [.02]	0.07 [.02]	0.74 [.18]	0.56 [.14]	0.100 [.02]	0.058 [.02]
3300 [1557]	0.97	0.92	0.99		0.07 [.02]	0.08 [.02]	0.79 [.20]	0.59 [.15]	0.104 [.03]	0.065 [.02]
3400 [1604]	0.97	0.93	0.99		0.07 [.02]	0.09 [.02]	0.84 [.21]	0.62 [.15]	0.108 [.03]	0.071 [.02]
3500 [1652]	0.98	0.94	0.99		0.08 [.02]	0.10 [.02]	0.90 [.22]	0.66 [.16]	0.112 [.03]	0.077 [.02]
3600 [1699]	0.98	0.95	0.99		0.08 [.02]	0.11 [.03]	0.95 [.24]	0.69 [.17]	0.116 [.03]	0.083 [.02]
3700 [1746]	0.99	0.97	1.00		0.09 [.02]	0.12 [.03]	1.00 [.25]	0.73 [.18]	0.120 [.03]	0.089 [.02]
3800 [1793]	0.99	0.98	1.00		0.09 [.02]	0.13 [.03]	1.04 [.26]	0.76 [.19]	0.124 [.03]	0.095 [.02]
3900 [1840]	1.00	0.99	1.00		0.09 [.02]	0.15 [.04]	1.09 [.27]	0.80 [.20]	0.128 [.03]	0.102 [.02]
4000 [1888]	1.00	1.00	1.01		0.10 [.02]	0.16 [.04]	1.13 [.28]	0.84 [.21]	0.132 [.03]	0.108 [.03]
4100 [1935]	1.00	1.01	1.01		0.10 [.03]	0.17 [.04]	1.19 [.30]	0.88 [.22]	0.136 [.03]	0.114 [.03]
4200 [1982]	1.01	1.02	1.01		0.11 [.03]	0.19 [.05]	1.24 [.31]	0.92 [.23]	0.140 [.03]	0.120 [.03]
4300 [2029]	1.01	1.03	1.01		0.11 [.03]	0.20 [.05]	1.31 [.33]	0.97 [.24]	0.144 [.03]	0.126 [.03]
4400 [2076]	1.02	1.05	1.02		0.12 [.03]	0.21 [.05]	1.37 [.34]	1.02 [.25]	0.148 [.04]	0.132 [.03]
4500 [2123]	1.02	1.06	1.02		0.13 [.03]	0.23 [.06]	1.43 [.35]	1.07 [.27]	0.152 [.04]	0.138 [.03]
4600 [2171]	1.03	1.07	1.02		0.13 [.03]	0.24 [.06]	1.48 [.37]	1.11 [.28]	0.156 [.04]	0.145 [.04]
4700 [2218]	1.03	1.08	1.03		0.14 [.03]	0.26 [.06]	1.54 [.38]	1.15 [.29]	0.160 [.04]	0.151 [.04]
4800 [2265]	1.04	1.09	1.03		0.14 [.04]	0.28 [.07]	1.59 [.40]	1.19 [.30]	0.164 [.04]	0.157 [.04]

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions



Air

Airflow Performance
RHPD Series

AIRFLOW PERFORMANCE— 10 TON [35.1 kW] — 60 Hz — SIDEFLOW

Air Flow CFM [L/s]		Model RHPDZ*120*																								Voltage 208/230, 460, 575 — 3 phase 60 Hz																							
		External Static Pressure—Inches of Water [kPa]																																															
0.1 [0.02]		0.2 [0.05]		0.3 [0.07]		0.4 [0.10]		0.5 [0.12]		0.6 [0.15]		0.7 [0.17]		0.8 [0.20]		0.9 [0.22]		1.0 [0.25]		1.1 [0.27]		1.2 [0.30]		1.3 [0.32]		1.4 [0.35]		1.5 [0.37]		1.6 [0.40]		1.7 [0.42]		1.8 [0.45]		1.9 [0.47]		2.0 [0.50]											
RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W	RPM	W										
3200 [1510]	—	—	620	1031	650	1078	679	1128	708	1180	736	1235	765	1291	792	1349	820	1410	847	1472	874	1537	900	1604	926	1672	951	1743	977	1817	1001	1892	1026	1969	1050	2049	1074	2130	1097	2214									
3300 [1557]	603	1031	632	1079	661	1129	690	1181	719	1235	747	1292	775	1350	802	1411	829	1474	855	1538	882	1605	908	1674	933	1746	958	1819	983	1894	1017	1972	1031	2051	1055	2133	1078	2217	1101	2303									
3400 [1604]	615	1081	644	1131	673	1183	702	1238	730	1294	757	1353	785	1414	812	1476	838	1541	864	1608	890	1678	915	1749	941	1822	965	1898	990	1976	1014	2055	1034	2127	1060	2217	1083	2307	1106	2395									
3500 [1652]	628	1134	657	1187	685	1241	713	1298	741	1357	768	1418	795	1481	821	1546	847	1613	873	1682	899	1754	924	1827	948	1903	972	1981	996	2061	1020	2143	1037	2237	1066	2313	1088	2401	1110	2495									
3600 [1699]	641	1191	669	1246	697	1303	725	1362	752	1423	779	1486	805	1551	831	1619	857	1688	882	1760	907	1834	932	1909	956	1987	980	2067	1003	2149	1026	2234	1049	2320	1071	2409	1093	2499	1115	2592									
3700 [1746]	654	1252	682	1309	709	1368	737	1430	763	1493	790	1558	816	1626	841	1695	866	1767	891	1841	916	1917	940	1995	964	2075	987	2158	1010	2242	1033	2329	1055	2417	1077	2508	1099	2601	1120	2696									
3800 [1793]	667	1317	695	1376	722	1438	748	1501	775	1567	801	1634	826	1704	851	1776	876	1850	901	1926	925	2004	948	2085	972	2167	995	2252	1017	2338	1040	2427	1061	2518	1083	2611	1104	2706	1125	2804									
3900 [1840]	681	1386	708	1447	734	1511	760	1576	786	1644	812	1714	837	1786	862	1860	886	1937	910	2015	934	2095	957	2178	980	2263	1003	2350	1025	2439	1046	2530	1068	2623	1089	2718	1101	2815	1120	2915									
4000 [1888]	694	1458	721	1521	747	1587	773	1655	798	1725	823	1798	848	1872	872	1948	896	2027	920	2108	943	2190	966	2275	988	2362	1010	2451	1032	2542	1053	2636	1074	2731	1095	2829	1115	2928	1135	3030									
4100 [1935]	708	1534	734	1600	760	1668	785	1738	810	1810	835	1885	859	1961	883	2040	906	2121	930	2204	952	2289	975	2376	997	2465	1018	2557	1040	2650	1061	2746	1081	2843	1101	2943	1121	3045	1141	3149									
4200 [1982]	722	1613	747	1682	773	1752	797	1825	822	1899	846	1976	870	2055	894	2136	917	2219	939	2304	962	2391	984	2481	1005	2572	1027	2666	1047	2761	1068	2859	1088	2959	1108	3061	1127	3165	1146	3272									
4300 [2029]	735	1697	761	1767	786	1840	810	1915	834	1992	858	2071	881	2152	904	2235	927	2320	949	2408	971	2497	993	2589	1014	2683	1035	2779	1055	2877	1075	2977	1095	3079	1114	3183	1133	3290	1152	3398									
4400 [2076]	750	1784	774	1857	799	1932	823	2009	847	2088	870	2169	893	2253	915	2338	938	2426	960	2515	981	2607	1002	2701	1023	2797	1043	2895	1063	2995	1083	3096	1102	3202	1121	3309	1140	3417	1158	3528									
4500 [2123]	764	1875	788	1950	812	2027	836	2107	859	2188	882	2271	904	2357	927	2445	948	2535	970	2627	991	2721	1012	2817	1032	2915	1052	3015	1071	3118	1091	3223	1110	3329	1128	3438	1146	3549	—	—									
4600 [2171]	778	1970	802	2047	826	2126	849	2208	872	2292	894	2377	916	2465	938	2555	959	2647	980	2742	1001	2838	1021	2936	1041	3037	1061	3140	1080	3244	1099	3351	1117	3460	1135	3571	1153	3685	—	—									
4700 [2218]	793	2068	816	2148	839	2229	862	2313	884	2399	906	2487	928	2577	949	2670	970	2764	991	2860	1011	2959	1031	3060	1050	3163	1069	3267	1088	3374	1107	3484	1124	3595	1142	3708	1159	3824	—	—									
4800 [2265]	807	2170	830	2252	853	2336	875	2422	897	2510	919	2601	940	2693	961	2788	982	2884	1002	2983	1021	3084	1041	3187	1060	3292	1079	3399	1097	3508	1115	3620	1132	3733	1149	3849	—	—											

NOTE: A/F-Drive left of the bold line, B/G-Drive right of bold lines, C/H-Drive right of double line.

Drive Package	A/F		B/G		C/H	
Motor H.P. [W]	2 [1491.4]		3 [2237.1]		3 [2237.1]	
Blower Sheave	AK79H		AK79H		AK79H	
Motor Sheave	1VL40*7/8		1VP50*7/8		1VP56*7/8	
Belt	A49		A50		A51	
Turns Open	0	1	2	3	4	5
RPM	817	773	731	685	641	594

NOTES: 1. Factory sheave settings are shown in bold type.

2. Do not set motor sheave below minimum or maximum turns open shown.

3. Re-adjustment of sheave required to achieve rated airflow at AHRI minimum External Static Pressure

4. Add component resistance (below) to duct resistance to determine total External Static Pressure.

[] Designates Metric Conversions



AIRFLOW PERFORMANCE—10 TON [35.1 kW] — 60 Hz — SIDEFLOW (con't.)

Airflow	AIRFLOW CORRECTION FACTORS *			COMPONENT AIRFLOW RESISTANCE						
	CFM [L/s]	Total MBH	Sensible MBH	Power kW	Wet Coil	Horizontal Economizer RA Damper Open	Concentric Diffuser RXRN-AEF3415 & Diffuser RXMC-DD02 (Flush)	Concentric Diffuser RXRN-AED3415 & Diffuser RXMC-DD02 (Drop)	Pressure Drop MERV 8	Pressure Drop MERV 13
							Resistance — Inches of Water [kPa]			
3200 [1510]	0.96	0.91	0.98	0.07 [.02]	0.31 [0.08]	0.74 [.18]	0.56 [.14]	0.100 [.02]	0.058 [.02]	
3300 [1557]	0.97	0.92	0.99	0.07 [.02]	0.36 [0.09]	0.79 [.20]	0.59 [.15]	0.104 [.03]	0.065 [.02]	
3400 [1604]	0.97	0.93	0.99	0.07 [.02]	0.42 [0.10]	0.84 [.21]	0.62 [.15]	0.108 [.03]	0.071 [.02]	
3500 [1652]	0.98	0.94	0.99	0.08 [.02]	0.47 [0.12]	0.90 [.22]	0.66 [.16]	0.112 [.03]	0.077 [.02]	
3600 [1699]	0.98	0.95	0.99	0.08 [.02]	0.52 [0.13]	0.95 [.24]	0.69 [.17]	0.116 [.03]	0.083 [.02]	
3700 [1746]	0.99	0.97	1.00	0.09 [.02]	0.58 [0.14]	1.00 [.25]	0.73 [.18]	0.120 [.03]	0.089 [.02]	
3800 [1793]	0.99	0.98	1.00	0.09 [.02]	0.63 [0.16]	1.04 [.26]	0.76 [.19]	0.124 [.03]	0.095 [.02]	
3900 [1840]	1.00	0.99	1.00	0.09 [.02]	0.68 [0.17]	1.09 [.27]	0.80 [.20]	0.128 [.03]	0.102 [.02]	
4000 [1888]	1.00	1.00	1.01	0.10 [.02]	0.73 [0.18]	1.13 [.28]	0.84 [.21]	0.132 [.03]	0.108 [.03]	
4100 [1935]	1.00	1.01	1.01	0.10 [.03]	0.78 [0.19]	1.19 [.30]	0.88 [.22]	0.136 [.03]	0.114 [.03]	
4200 [1982]	1.01	1.02	1.01	0.11 [.03]	0.83 [0.21]	1.24 [.31]	0.92 [.23]	0.140 [.03]	0.120 [.03]	
4300 [2029]	1.01	1.03	1.01	0.11 [.03]	0.88 [0.22]	1.31 [.33]	0.97 [.24]	0.144 [.03]	0.126 [.03]	
4400 [2076]	1.02	1.05	1.02	0.12 [.03]	0.93 [0.23]	1.37 [.34]	1.02 [.25]	0.148 [.04]	0.132 [.03]	
4500 [2123]	1.02	1.06	1.02	0.13 [.03]	0.98 [0.24]	1.43 [.35]	1.07 [.27]	0.152 [.04]	0.138 [.03]	
4600 [2171]	1.03	1.07	1.02	0.13 [.03]	1.03 [0.26]	1.48 [.37]	1.11 [.28]	0.156 [.04]	0.145 [.04]	
4700 [2218]	1.03	1.08	1.03	0.14 [.03]	1.07 [0.27]	1.54 [.38]	1.15 [.29]	0.160 [.04]	0.151 [.04]	
4800 [2265]	1.04	1.09	1.03	0.14 [.04]	1.12 [0.28]	1.59 [.40]	1.19 [.30]	0.164 [.04]	0.157 [.04]	

*Multiply correction factor times gross performance data resulting sensible capacity cannot exceed total capacity.

[] Designates Metric Conversions

ELECTRICAL DATA – RHPDZT SERIES

		090ACF	090ACG	090ACH	090ADF	090ADG	090ADH
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506	414-506
	Volts	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	44	46	46	19	20	20
	Minimum Overcurrent Protection Device Size	50	60	60	25	25	25
	Maximum Overcurrent Protection Device Size	60	70	70	25	25	25
Compressor Motor	No.	1	1	1	1	1	1
	Volts	200/230	200/230	200/230	460	460	460
	Phase	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450
	HP, Compressor 1	7	7	7	7	7	7
	Amps (RLA), Comp. 1	25.3	25.3	25.3	9.6	9.6	9.6
	Amps (LRA), Comp. 1	184	184	184	84	84	84
	HP, Compressor 2						
	Amps (RLA), Comp. 2						
	Amps (LRA), Comp. 2						
Condenser Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	208/230	460	460	460
	Phase	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.5	2.5	2.5	1.5	1.5	1.5
	Amps (LRA, each)	5.6	5.6	5.6	3.1	3.1	3.1
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3
	HP	2	3	3	2	3	3
	Amps (FLA, each)	6.6	9.1	9.1	3.2	4.6	4.6
	Amps (LRA, each)	45	74.5	74.5	45	38.1	38.1

ELECTRICAL DATA – RHPDZT SERIES							
		102ACF	102ACG	102ACH	102ADF	102ADG	102ADH
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506	414-506
	Volts	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	48	50	53	23	24	25
	Minimum Overcurrent Protection Device Size	60	60	70	30	30	30
	Maximum Overcurrent Protection Device Size	70	70	80	30	35	35
Compressor Motor	No.	1	1	1	1	1	1
	Volts	200/230	200/230	200/230	460	460	460
	Phase	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450
	HP, Compressor 1	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2	7 1/2
	Amps (RLA), Comp. 1	28.8	28.8	28.8	12.5	12.5	12.5
	Amps (LRA), Comp. 1	191	191	191	100	100	100
	HP, Compressor 2						
	Amps (RLA), Comp. 2						
	Amps (LRA), Comp. 2						
Condenser Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	208/230	460	460	460
	Phase	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.5	2.5	2.5	1.5	1.5	1.5
	Amps (LRA, each)	5.6	5.6	5.6	3.1	3.1	3.1
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3
	HP	2	3	3	2	3	3
	Amps (FLA, each)	7	8.9	12	3.5	4.4	6
	Amps (LRA, each)	45	74.5	74.5	22.5	38.1	38.1

ELECTRICAL DATA – RHPDZT SERIES

		120ACF	120ACG	120ACH	120ADF	120ADG	120ADH
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	414-506	414-506	414-506
	Volts	20/208	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	54	57	58	26	27	28
	Minimum Overcurrent Protection Device Size	70	70	70	30	35	35
	Maximum Overcurrent Protection Device Size	80	80	90	40	40	40
Compressor Motor	No.	1	1	1	1	1	1
	Volts	200/230	200/230	200/230	460	460	460
	Phase	3	3	3	3	3	3
	RPM	3450	3450	3450	3450	3450	3450
	HP, Compressor 1	10	10	10	10	10	10
	Amps (RLA), Comp. 1	32.6	32.6	32.6	14.8	14.8	14.8
	Amps (LRA), Comp. 1	240	240	240	130	130	130
	HP, Compressor 2						
	Amps (RLA), Comp. 2						
	Amps (LRA), Comp. 2						
Condenser Motor	No.	2	2	2	2	2	2
	Volts	208/230	208/230	208/230	460	460	460
	Phase	1	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.5	2.5	2.5	1.5	1.5	1.5
	Amps (LRA, each)	5.6	5.6	5.6	3.1	3.1	3.1
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	460	460	460
	Phase	3	3	3	3	3	3
	HP	2	3	3	2	3	3
	Amps (FLA, each)	7.7	10.4	12	3.9	5.2	6
	Amps (LRA, each)	45	74.5	74.5	23.5	38.1	38.1



208/240 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION													
Separate Power Supply for Both Unit and Heater Kit													
Single Power Supply for Both Unit and Heater Kit													
Unit Model No. RHPDZ-	Heater Kit					Heat Pump				Heater Kit			
	RXJJ-Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240 V	Max. Fuse Size 208/240 V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size	
							Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
RHPDZT090ACF	No Heat	—	—	—	—	44/44	50/60	50/60	—	—	44/44	50/60	50/60
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	69/73	80/80	80/90	26/30	30/30	44/44	50/60	50/60
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	81/87	90/90	90/100	38/44	40/45	44/44	50/60	50/60
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	95/103	100/100	110/110	52/60	60/60	44/44	50/60	50/60
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	119/130	125/125	150/150	75/87	80/90	44/44	50/60	50/60
	DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	147/163	150/150	175/175	104/119	110/125	44/44	50/60	50/60
RHPDZT090ACG	No Heat	—	—	—	—	46/46	60/70	60/70	—	—	46/46	60/70	60/70
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	72/76	80/90	80/90	26/30	30/30	46/46	60/70	60/70
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	84/89	90/100	100/100	38/44	40/45	46/46	60/70	60/70
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	98/106	110/110	110/110	52/60	60/60	46/46	60/70	60/70
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	121/133	125/125	150/150	75/87	80/90	46/46	60/70	60/70
	DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	149/165	175/175	175/175	104/119	110/125	46/46	60/70	60/70
RHPDZT090ACH	No Heat	—	—	—	—	46/46	60/70	60/70	—	—	46/46	60/70	60/70
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	72/76	80/90	80/90	26/30	30/30	46/46	60/70	60/70
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	84/89	90/100	100/100	38/44	40/45	46/46	60/70	60/70
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	98/106	110/110	110/110	52/60	60/60	46/46	60/70	60/70
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	121/133	125/125	150/150	75/87	80/90	46/46	60/70	60/70
	DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	149/165	175/175	175/175	104/119	110/125	46/46	60/70	60/70
RHPDZT102ACF	No Heat	—	—	—	—	48/48	60/70	60/70	—	—	48/48	60/70	60/70
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	74/78	80/90	90/100	26/30	30/30	48/48	60/70	60/70
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	86/92	90/100	100/110	38/44	40/45	48/48	60/70	60/70
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	100/108	110/110	125/125	52/60	60/60	48/48	60/70	60/70
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	123/135	150/150	150/150	75/87	80/90	48/48	60/70	60/70
	DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	152/167	175/175	175/175	104/119	110/125	48/48	60/70	60/70
RHPDZT102ACG	No Heat	—	—	—	—	50/50	60/70	60/70	—	—	50/50	60/70	60/70
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	76/80	80/90	90/100	26/30	30/30	50/50	60/70	60/70
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	88/94	100/100	100/110	38/44	40/45	50/50	60/70	60/70
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	102/110	110/110	125/125	52/60	60/60	50/50	60/70	60/70
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	125/137	150/150	150/150	75/87	80/90	50/50	60/70	60/70
	DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	154/169	175/175	175/175	104/119	110/125	50/50	60/70	60/70
RHPDZT102ACH	No Heat	—	—	—	—	53/53	70/80	70/80	—	—	53/53	70/80	70/80
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	79/83	90/100	90/100	26/30	30/30	53/53	70/80	70/80
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	91/97	100/110	110/110	38/44	40/45	53/53	70/80	70/80
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	105/113	110/110	125/125	52/60	60/60	53/53	70/80	70/80
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	128/140	150/150	150/150	75/87	80/90	53/53	70/80	70/80
	DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	157/172	175/175	200/200	104/119	110/125	53/53	70/80	70/80

* = For Canadian use only. Uses "IP" fuses for inductive circuit.

+ = Field installed only.



Air

Electric Heater Kits
RHPD Series

208/240 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply for Both Unit and Heater Kit										Separate Power Supply for Both Unit and Heater Kit					
Unit Model No. RHPDZ-	Heater Kit				Heat Pump				Heater Kit		Heat Pump				
	RXJJ-Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		Min. Ckt. Ampacity 208/240 V	Max. Fuse Size 208/240 V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size			
							Min./Max. @ 208 V	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V		
RHPDZT120ACF	No Heat	—	—	—	—	54/54	70/80	70/80	—	—	54/54	70/80	70/80		
	DD10CP	1	0.1/7.4	0.34/25.25	2.0/20.6	56/80	70/80	90/100	15/26	15/30	54/54	70/80	70/80		
	DD15CP	1	0.1/10.8	0.34/36.85	2.9/30.0	58/91	70/80	100/110	15/38	15/40	54/54	70/80	70/80		
	DD20CP	2	0.1/14.9	0.34/50.84	4.0/41.3	59/106	70/90	110/125	15/52	15/60	54/54	70/80	70/80		
	DD30CP	2	0.2/21.6	0.68/73.70	5.8/60.1	61/129	70/90	150/150	15/76	15/80	54/54	70/80	70/80		
DD40CP	2	0.3/29.7	1.02/101.34	7.9/82.5	64/157	70/90	175/175	15/104	15/110	54/54	70/80	70/80			
RHPDZT120ACG	No Heat	—	—	—	—	57/57	70/80	70/80	—	—	57/57	70/80	70/80		
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	82/86	90/100	90/110	26/30	30/30	57/57	70/80	70/80		
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	94/100	100/110	110/110	38/44	40/45	57/57	70/80	70/80		
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	108/116	125/125	125/125	52/60	60/60	57/57	70/80	70/80		
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	132/143	150/150	150/150	75/87	80/90	57/57	70/80	70/80		
DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	160/176	175/175	200/200	104/119	110/125	57/57	70/80	70/80			
RHPDZT120ACH	No Heat	—	—	—	—	58/58	70/90	70/90	—	—	58/58	70/90	70/90		
	DD10CP	1	7.4/9.9	25.25/33.78	20.6/23.8	84/88	90/110	100/110	26/30	30/30	58/58	70/90	70/90		
	DD15CP	1	10.8/14.4	36.85/49.13	30.0/34.6	96/101	100/110	110/110	38/44	40/45	58/58	70/90	70/90		
	DD20CP	2	14.9/19.8	50.84/67.56	41.3/47.6	110/118	125/125	125/125	52/60	60/60	58/58	70/90	70/90		
	DD30CP	2	21.6/28.8	73.70/98.27	60.0/69.3	133/145	150/150	150/150	75/87	80/90	58/58	70/90	70/90		
DD40CP	2	29.7/39.6	101.34/135.12	82.5/95.2	161/177	175/175	200/200	104/119	110/125	58/58	70/90	70/90			

* = For Canadian use only. Uses "ip" fuses for inductive circuit.

+ = Field installed only.





480 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION														
Single Power Supply for Both Unit and Heater Kit										Separate Power Supply for Both Unit and Heater Kit				
Unit Model No. RHPDZ-	Heater Kit					Heat Pump					Heater Kit			
	RXJJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 480 V	Heater KBTU/Hr @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size				Min. Ckt. Ampacity 480 V	Max. Fuse Size 480 V	Min. Circuit Ampacity 480 V	Over Current Protective Device Size
							Min./Max. @ 480 V							
RHPDZT090ADF	No Heat	—	—	—	—	19	25/25	—	—	—	19	—	19	25/25
	DD10DNV	1	9.9	33.78	11.9	34	35/35	—	—	—	19	15	19	25/25
	DD15DNV	1	14.4	49.13	17.3	40	45/45	—	—	—	19	25	19	25/25
	DD20DNV	2	19.8	67.56	23.8	48	50/50	—	—	—	19	30	19	25/25
	DD30DNV	2	28.8	98.27	34.6	62	70/70	—	—	—	19	45	19	25/25
	DD40DNV	2	39.6	135.12	47.6	78	80/80	—	—	—	19	60	19	25/25
RHPDZT090ADG	No Heat	—	—	—	—	20	25/25	—	—	—	20	—	20	25/25
	DD10DNV	1	9.9	33.78	11.9	35	40/40	—	—	—	20	15	20	25/25
	DD15DNV	1	14.4	49.13	17.3	42	45/45	—	—	—	20	25	20	25/25
	DD20DNV	2	19.8	67.56	23.8	50	60/60	—	—	—	20	30	20	25/25
	DD30DNV	2	28.8	98.27	34.6	63	70/70	—	—	—	20	45	20	25/25
	DD40DNV	2	39.6	135.12	47.6	80	90/90	—	—	—	20	60	20	25/25
RHPDZT090ADH	No Heat	—	—	—	—	20	25/25	—	—	—	20	—	20	25/25
	DD10DNV	1	9.9	33.78	11.9	35	40/40	—	—	—	20	15	20	25/25
	DD15DNV	1	14.4	49.13	17.3	42	45/45	—	—	—	20	25	20	25/25
	DD20DNV	2	19.8	67.56	23.8	50	60/60	—	—	—	20	30	20	25/25
	DD30DNV	2	28.8	98.27	34.6	63	70/70	—	—	—	20	45	20	25/25
	DD40DNV	2	39.6	135.12	47.6	80	90/90	—	—	—	20	60	20	25/25
RHPDZT102ADF	No Heat	—	—	—	—	23	30/30	—	—	—	23	—	23	30/30
	DD10DNV	1	9.9	33.78	11.9	37	40/45	—	—	—	23	15	23	30/30
	DD15DNV	1	14.4	49.13	17.3	44	50/50	—	—	—	23	25	23	30/30
	DD20DNV	2	19.8	67.56	23.8	52	60/60	—	—	—	23	30	23	30/30
	DD30DNV	2	28.8	98.27	34.6	66	70/70	—	—	—	23	45	23	30/30
	DD40DNV	2	39.6	135.12	47.6	82	90/90	—	—	—	23	60	23	30/30
RHPDZT102ADG	No Heat	—	—	—	—	24	30/35	—	—	—	24	—	24	30/35
	DD10DNV	1	9.9	33.78	11.9	38	40/45	—	—	—	24	15	24	30/35
	DD15DNV	1	14.4	49.13	17.3	45	50/50	—	—	—	24	25	24	30/35
	DD20DNV	2	19.8	67.56	23.8	53	60/60	—	—	—	24	30	24	30/35
	DD30DNV	2	28.8	98.27	34.6	67	70/70	—	—	—	24	45	24	30/35
	DD40DNV	2	39.6	135.12	47.6	83	90/90	—	—	—	24	60	24	30/35
RHPDZT102ADH	No Heat	—	—	—	—	25	30/35	—	—	—	25	—	25	30/35
	DD10DNV	1	9.9	33.78	11.9	40	45/45	—	—	—	25	15	25	30/35
	DD15DNV	1	14.4	49.13	17.3	47	50/50	—	—	—	25	25	25	30/35
	DD20DNV	2	19.8	67.56	23.8	55	60/60	—	—	—	25	30	25	30/35
	DD30DNV	2	28.8	98.27	34.6	68	80/80	—	—	—	25	45	25	30/35
	DD40DNV	2	39.6	135.12	47.6	85	90/90	—	—	—	25	60	25	30/35

* = For Canadian use only. Uses "IP" fuses for inductive circuit.

+ = Field installed only.

**480 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION**

Single Power Supply for Both Unit and Heater Kit										Separate Power Supply for Both Unit and Heater Kit					
Unit Model No. RHPDZ-	Heater Kit				Heat Pump			Heater Kit			Heat Pump				
	RXJJ-Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 480 V	Heater KBTU/Hr @ 480 V	Heater Amp. @ 480 V	Unit Min. Ckt. Ampacity @ 480 V	Over Current Protective Device Size		Min. Ckt. Ampacity 480 V	Max. Fuse Size 480 V	Min. Circuit Ampacity 480 V	Over Current Protective Device Size			
							Min./Max. @ 480 V					Min./Max. @ 480 V			
RHPDZT120ADF	No Heat	—	—	—	—	26	30/40	—	—	—	26	30/40	—		
	DD10DNV	1	9.9	33.78	11.9	41	45/50	—	15	15	26	30/40	—		
	DD15DNV	1	14.4	49.13	17.3	48	50/50	—	22	25	26	30/40	—		
	DD20DNV	2	19.8	67.56	23.8	56	60/60	—	30	30	26	30/40	—		
	DD30DNV	2	28.8	98.27	34.6	69	80/80	—	44	45	26	30/40	—		
DD40DNV	2	39.6	135.12	47.6	85	90/90	—	60	60	26	30/40	—			
RHPDZT120ADG	No Heat	—	—	—	—	27	35/40	—	—	—	27	35/40	—		
	DD10DNV	1	9.9	33.78	11.9	42	45/50	—	15	15	27	35/40	—		
	DD15DNV	1	14.4	49.13	17.3	49	60/60	—	22	25	27	35/40	—		
	DD20DNV	2	19.8	67.56	23.8	57	60/60	—	30	30	27	35/40	—		
	DD30DNV	2	28.8	98.27	34.6	70	80/80	—	44	45	27	35/40	—		
DD40DNV	2	39.6	135.12	47.6	87	90/90	—	60	60	27	35/40	—			
RHPDZT120ADH	No Heat	—	—	—	—	28	35/40	—	—	—	28	35/40	—		
	DD10DNV	1	9.9	33.78	11.9	43	45/50	—	15	15	28	35/40	—		
	DD15DNV	1	14.4	49.13	17.3	50	60/60	—	22	25	28	35/40	—		
	DD20DNV	2	19.8	67.56	23.8	58	60/60	—	30	30	28	35/40	—		
	DD30DNV	2	28.8	98.27	34.6	71	80/80	—	44	45	28	35/40	—		
DD40DNV	2	39.6	135.12	47.6	87	90/90	—	60	60	28	35/40	—			

* = For Canadian use only. Uses "p" fuses for inductive circuit.

+ = Field installed only.





600 VOLT, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION													
Single Power Supply for Both Unit and Heater Kit													
Separate Power Supply for Both Unit and Heater Kit													
Unit Model No. RHPDZ-	Heater Kit			Heat Pump			Heater Kit			Heat Pump			
	RXJJ- Heater Kit Nominal kW	No. of Sequence Steps	Rated Heater kW @ 600 V	Heater KBTU/Hr @ 600 V	Heater Amp. @ 600 V	Unit Min. Ckt. Ampacity @ 600 V	Over Current Protective Device Size Min./Max. @ 600 V	Min. Ckt. Ampacity 600 V	Max. Fuse Size 600 V	Min. Circuit Ampacity 600 V	Over Current Protective Device Size Min./Max. @ 600 V		
RHPDZS090AYA	No Heat	—	—	—	—	14	20/20	—	—	14	20/20	—	
RHPDZS090AYB	No Heat	—	—	—	—	15	20/20	—	—	15	20/20	—	
RHPDZS090AYC	No Heat	—	—	—	—	15	20/20	—	—	15	20/20	—	
RHPDZS090AYF	No Heat	—	—	—	—	14	20/20	—	—	14	20/20	—	
RHPDZS090AYG	No Heat	—	—	—	—	15	20/20	—	—	15	20/20	—	
RHPDZS090AYH	No Heat	—	—	—	—	15	20/20	—	—	15	20/20	—	
RHPDZS102AYA	No Heat	—	—	—	—	17	20/25	—	—	17	20/25	—	
RHPDZS102AYB	No Heat	—	—	—	—	18	25/25	—	—	18	25/25	—	
RHPDZS102AYC	No Heat	—	—	—	—	18	25/25	—	—	18	25/25	—	
RHPDZS102AYF	No Heat	—	—	—	—	17	20/25	—	—	17	20/25	—	
RHPDZS102AYG	No Heat	—	—	—	—	18	25/25	—	—	18	25/25	—	
RHPDZS102AYH	No Heat	—	—	—	—	18	25/25	—	—	18	25/25	—	
RHPDZS120AYA	No Heat	—	—	—	—	19	25/25	—	—	19	25/25	—	
RHPDZS120AYB	No Heat	—	—	—	—	20	25/30	—	—	20	25/30	—	
RHPDZS120AYC	No Heat	—	—	—	—	20	25/30	—	—	20	25/30	—	
RHPDZS120AYF	No Heat	—	—	—	—	19	25/25	—	—	19	25/25	—	
RHPDZS120AYG	No Heat	—	—	—	—	20	25/30	—	—	20	25/30	—	
RHPDZS120AYH	No Heat	—	—	—	—	20	25/30	—	—	20	25/30	—	
RHPDZT090AYF	No Heat	—	—	—	—	14	20/20	—	—	14	20/20	—	
RHPDZT090AYG	No Heat	—	—	—	—	15	20/20	—	—	15	20/20	—	
RHPDZT090AYH	No Heat	—	—	—	—	15	20/20	—	—	15	20/20	—	
RHPDZT102AYF	No Heat	—	—	—	—	17	20/25	—	—	17	20/25	—	
RHPDZT102AYG	No Heat	—	—	—	—	18	25/25	—	—	18	25/25	—	
RHPDZT102AYH	No Heat	—	—	—	—	18	25/25	—	—	18	25/25	—	
RHPDZT120AYF	No Heat	—	—	—	—	19	25/25	—	—	19	25/25	—	
RHPDZT120AYG	No Heat	—	—	—	—	20	25/30	—	—	20	25/30	—	
RHPDZT120AYH	No Heat	—	—	—	—	20	25/30	—	—	20	25/30	—	

* = For Canadian use only. Uses "P" fuses for inductive circuit.



Air

Dimensional Data
RHPD Series

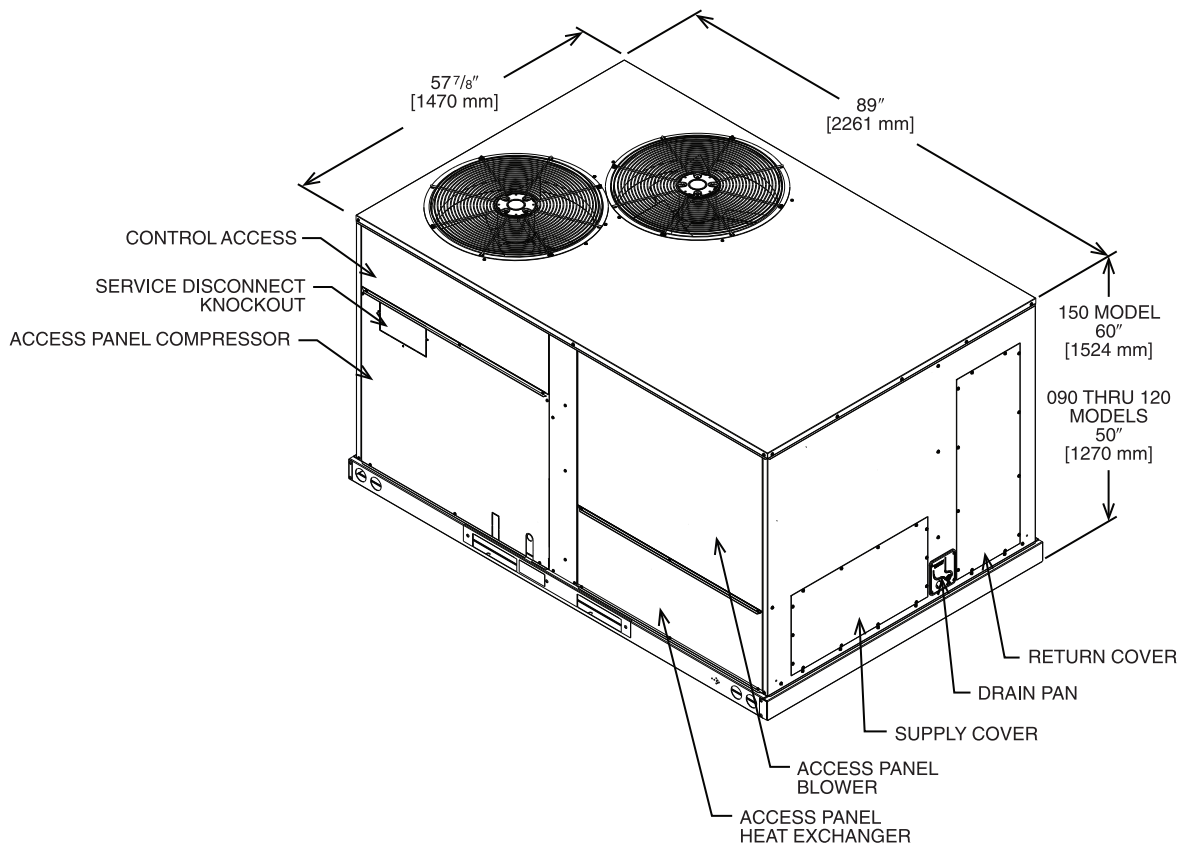


Illustration
ST-A1273-26-00

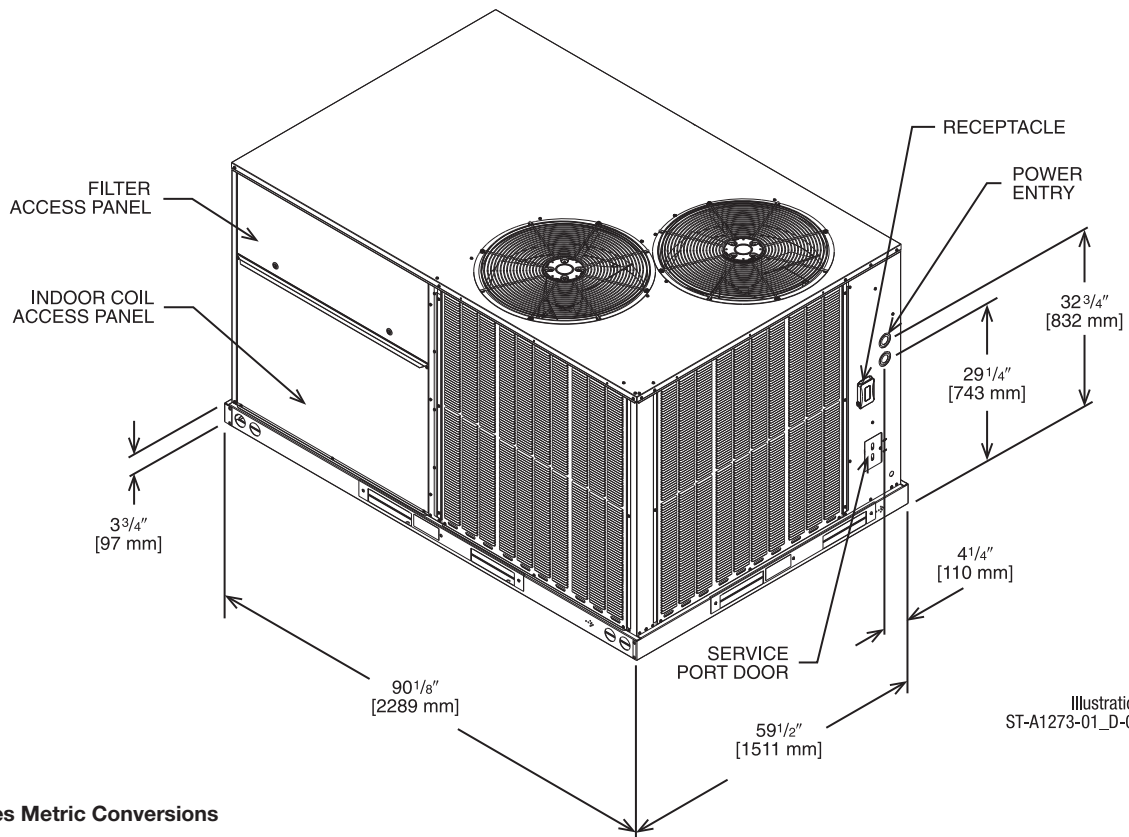
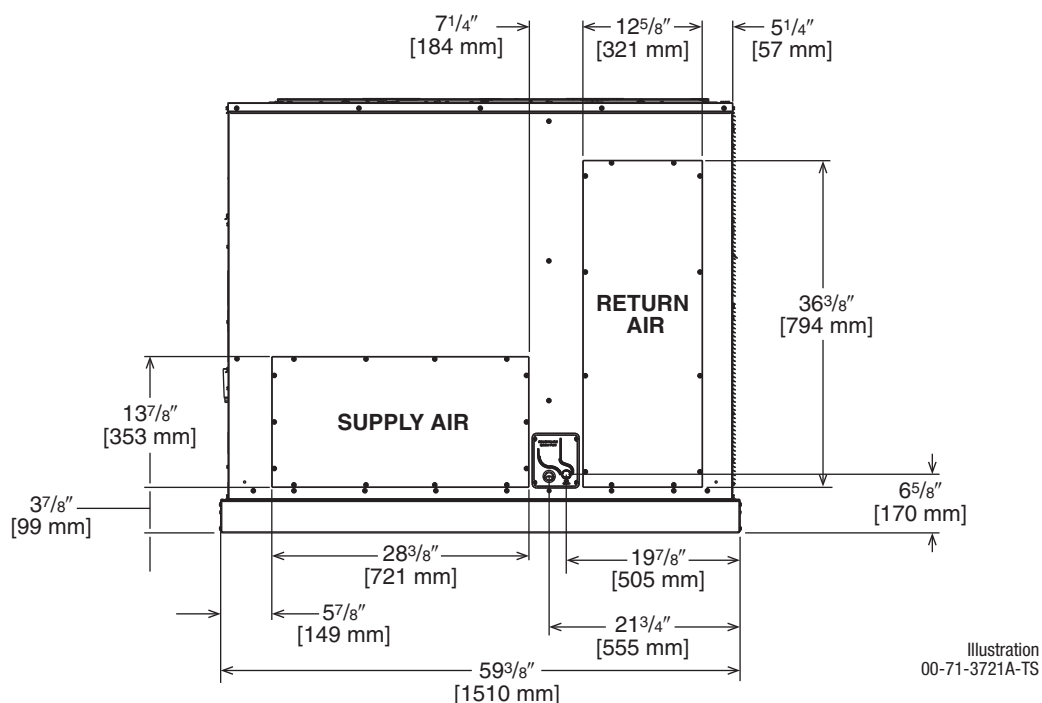


Illustration
ST-A1273-01_D-00

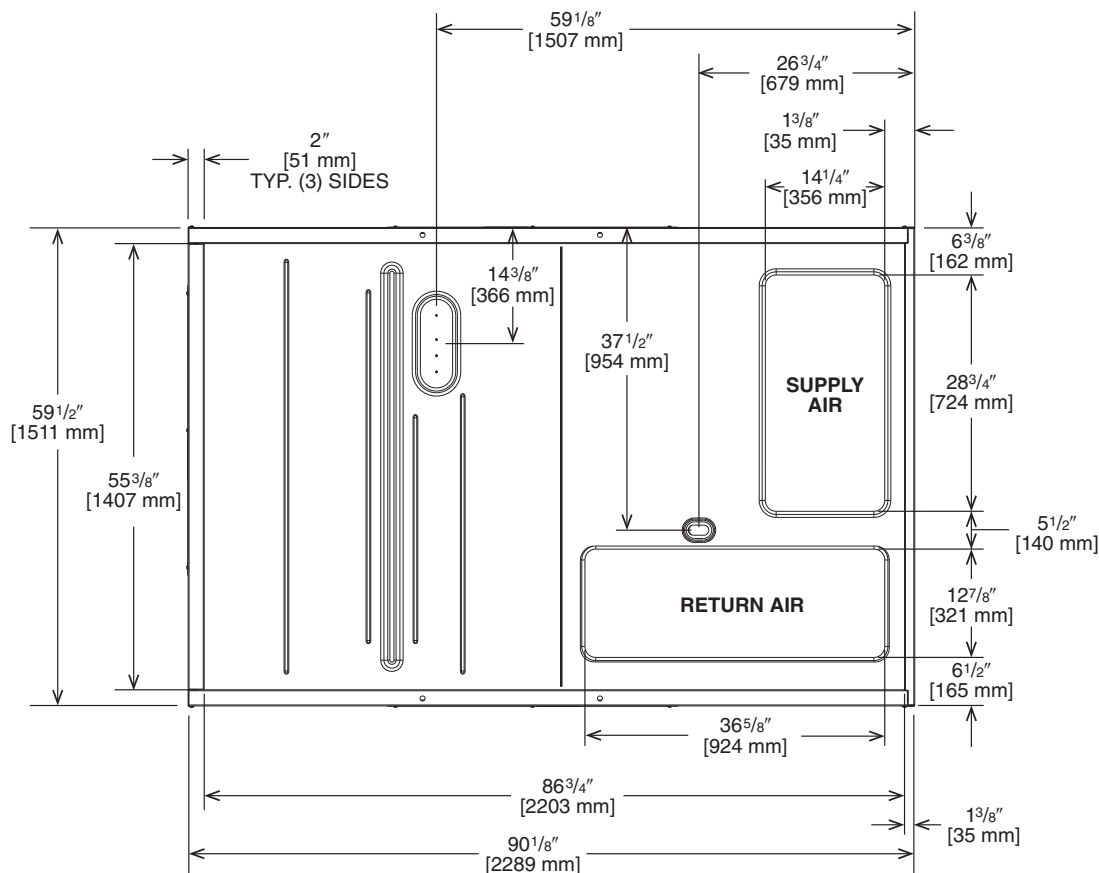
[] Designates Metric Conversions



SUPPLY AND RETURN DIMENSIONS FOR HORIZONTAL APPLICATIONS



SUPPLY AND RETURN DIMENSIONS FOR DOWNFLOW APPLICATIONS



[] Designates Metric Conversions

WEIGHTS

Capacity Tons [kW]	Corner Weights by Percentage			
	A	B	C	D
7.5-12.5 [21.1-44.0]	26%	34%	17%	23%

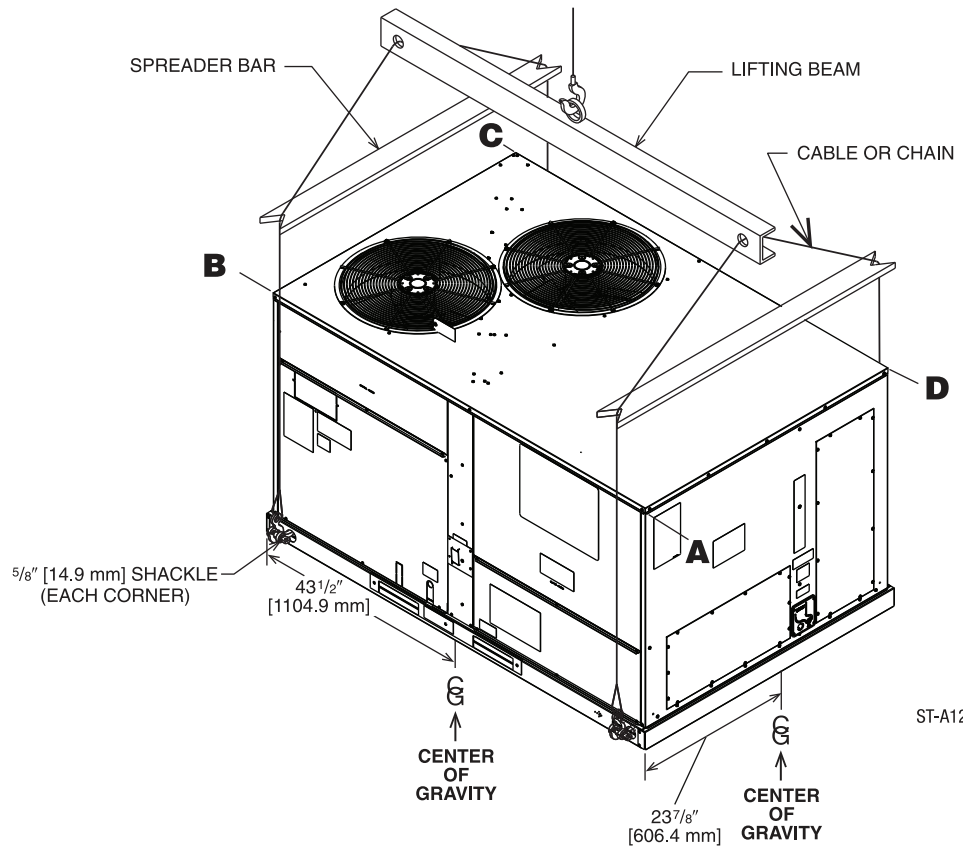


Illustration
ST-A1273-01_J-00

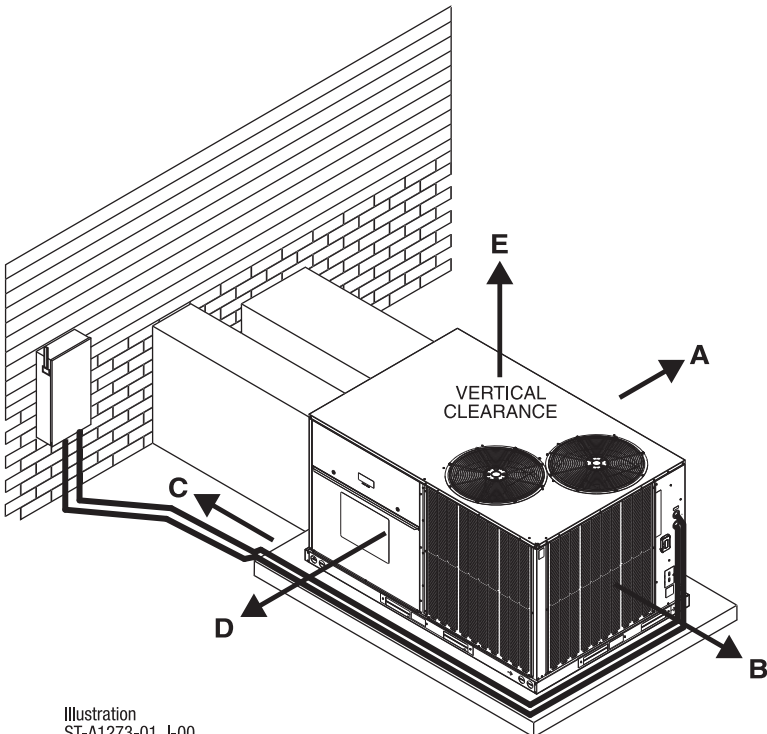


Illustration
ST-A1273-01_I-00

CLEARANCES

The following minimum clearances must be observed for proper unit performance and serviceability.

RECOMMENDED CLEARANCE In. [mm]	LOCATION
48 [1219]	A - FRONT
24 [609]	B - CONDENSER END
48 [1219] ①	C - DUCT END
24 [609] ②	D - FILTER SIDE
60 [1524]	E - ABOVE

① 18" [457 mm] MINIMUM IF DRAINPAN WILL NOT BE REMOVED.

② 48" [1219 mm] MINIMUM IF ECONOMIZER IS INSTALLED.



Air

Field Installed Accessories
RHPD Series

FIELD INSTALLED ACCESSORY EQUIPMENT

Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Economizer w/Single Enthalpy (Downflow)	RXRD-01MDDAM3	86 [39.0]	57 [25.9]	Yes
Economizer w/Single Enthalpy (Horizontal)	RXRD-01MDHAM3	84 [38.1]	55 [24.9]	Yes
Economizer-w/Single Enthalpy (Downflow) DDC	RXRD-01MDDBM3	86 [39.0]	57 [25.9]	No
Economizer w/Single Enthalpy (Horizontal) DDC	RXRD-01MDHBM3	84 [38.1]	55 [24.9]	No
Dual Enthalpy Kit	RXXR-BV01	1 [.5]	1 [.5]	No
Dual Enthalpy Kit DDC	RXXR-BV02	1 [.5]	1 [.5]	No
Carbon Dioxide Sensor (Wall Mount)	RXXR-AR02	3 [1.4]	2 [1.0]	No
Power Exhaust	RXXR-CDF01C	58 [26.3]	48 [21.8]	No
Power Exhaust	RXXR-CDF01D	50 [22.7]	44 [20.0]	No
Manual Fresh Air Damper	RXRF-ADA1	15 [6.8]	12 [5.4]	No
Motorized Fresh Air Damper	RXRF-ADB1	38 [17.2]	31 [14.06]	No
Motorized Fresh Air Damper (DDC)	RXRF-ADC1	38 [17.2]	31 [14.06]	No
Roofcurb, 14"	RXKG-DDD14	109 [49.4]	104 [47.2]	No
Roofcurb, 24"	RXKG-DDD24	145 [65.8]	140 [63.5]	No
Roofcurb Adapter	RXXR-DDCAE	235 [106.6]	215 [97.5]	No
Concentric Diffuser 7.5/8.5 Ton Flush	RXRN-AEF2000	235 [106.6]	215 [97.5]	No
Concentric Diffuser 10.0 Ton Flush	RXRN-AEF3415	30 [13.6]	25 [11.3]	No
Concentric Diffuser 12.5 Ton Flush	RXRN-AEF3618	250 [113.4]	130 [59]	No
Concentric Diffuser 7.5/8.5 Ton Drop	RXRN-AED2000	275 [124.7]	170 [77.1]	No
Concentric Diffuser 10.0 Ton Drop	RXRN-AED3415	35 [15.9]	30 [13.6]	No
Concentric Diffuser 12.5 Ton Drop	RXRN-AED3618	270 [122.5]	160 [72.6]	No
Concentric Adapter 7.5/8.5 Ton Drop	RXMC-DD01	300 [136.1]	180 [81.6]	No
Concentric Adapter 10 Ton Drop	RXMC-DD02	25 [11.3]	20 [9.1]	No
Concentric Adapter 12.5 Ton Drop	RXMC-DD03	75 [34]	65 [29.5]	No
Outdoor Coil Louver Kit - ACD/090/102/120 (HPD/090/102)	RXXR-ADD04A	52 [23.6]	47 [21.3]	Yes
Outdoor Coil Louver Kit - ACD150 (HPD120)	RXXR-ADD04B	43 [19.5]	39 [17.7]	Yes
Unwired Convenience Outlet	RXXR-BN01	2 [1.0]	1.5 [.7]	Yes
Unfused Service Disconnect	RXXR-BP01	10 [4.5]	9 [4.1]	Yes
Comfort Alert (1 Per Compressor)	RXXR-AZ01 DDC	3 [1.5]	2 [0.9]	Yes
Comfort Alert (1 Per Compressor)	RXXR-AZ02	3 [1.5]	2 [0.9]	Yes
BACnet Communication Card	RXXR-AY01	1 [0.5]	1 [0.5]	No
LonWorks Communication Card	RXXR-AY02	1 [0.5]	1 [0.5]	No
Room Humidity Sensor	RHC-ZNS4	1 [0.5]	1 [0.5]	No
Room Temperature and Relative Humidity Sensor	RHC-ZNS5	1 [0.5]	1 [0.5]	No
Low-Ambient Control Kit	RXRZ-A04	4 [1.8]	3 [1.4]	Yes
Freeze Stat Kit	RXXR-AM01	2 [1.0]	1.5 [.7]	Yes
MERV 8 Filter	RXMF-M08A22020	2 [0.9]	1 [0.45]	No
MERV 13 Filter	RXMF-M13A22020	2 [0.9]	1 [0.45]	No
Flue Diverter	RXXR-DFG04	5 [2.3]	4 [1.8]	No

[] Designates Metric Conversions





FIELD INSTALLED ACCESSORY EQUIPMENT (cont'd.)

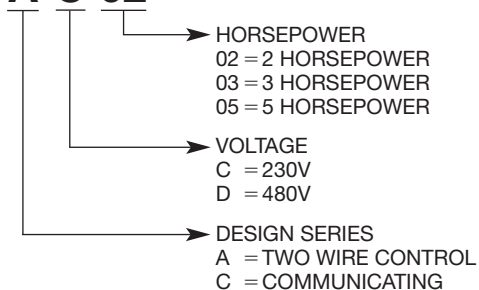
Accessory	Model Number	Shipping Weight Lbs. [kg]	Installed Weight Lbs. [kg]	Factory Installation Available?
Variable Frequency Drive Kit	RXRX-AC02	9.1 [4.1]	7.6 [3.4]	No
	RXRX-AC03	11.7 [5.3]	10.2 [4.6]	No
	RXRX-AC05	11.7 [5.3]	10.2 [4.6]	No
	RXRX-AD02	9.4 [4.3]	7.9 [3.6]	No
	RXRX-AD03	12.3 [5.6]	10.8 [4.9]	No
	RXRX-AD05	12.3 [5.6]	10.8 [4.9]	No
	RXRX-CC02	9.1 [4.1]	7.6 [3.4]	No
	RXRX-CC03	11.7 [5.3]	10.2 [4.6]	No
	RXRX-CC05	11.7 [5.3]	10.2 [4.6]	No
	RXRX-CD02	9.4 [4.3]	7.9 [3.6]	No
	RXRX-CD03	12.3 [5.6]	10.8 [4.9]	No
	RXRX-CD05	12.3 [5.6]	10.8 [4.9]	No
Electric Heater Kits	RXJJ-DD10CP	30 [13.6]	27.5 [12.5]	Yes
	RXJJ-DD15CP	32 [14.5]	29.5 [13.4]	Yes
	RXJJ-DD20CP	34 [15.4]	31.5 [14.3]	Yes
	RXJJ-DD30CP	37 [16.8]	34.5 [15.6]	Yes
	RXJJ-DD40CP	40 [18.1]	37.5 [17.0]	Yes
	RXJJ-DD10DNV	30 [13.6]	27.5 [12.5]	Yes
	RXJJ-DD15DNV	32 [14.5]	29.5 [13.4]	Yes
	RXJJ-DD20DNV	34 [15.4]	31.5 [14.3]	Yes
	RXJJ-DD30DNV	37 [16.8]	34.5 [15.6]	Yes
	RXJJ-DD40DNV	40 [18.1]	37.5 [17.0]	Yes
Single Point Wiring Kit	RXJX-AC0605	23 [10.4]	25 [11.3]	No
	RXJX-AC0805	24 [10.9]	26 [11.8]	No
	RXJX-AD0405	25 [11.3]	27 [12.2]	No
	RXJX-AD0605	25 [11.3]	27 [12.2]	No
	RXJX-AD0409	25 [11.3]	27 [12.2]	No
	RXJX-AC0909	26 [11.8]	28 [12.7]	No
	RXJX-AD0609	25 [11.3]	27 [12.2]	No

[] Designates Metric Conversions



VARIABLE FREQUENCY DRIVE KIT

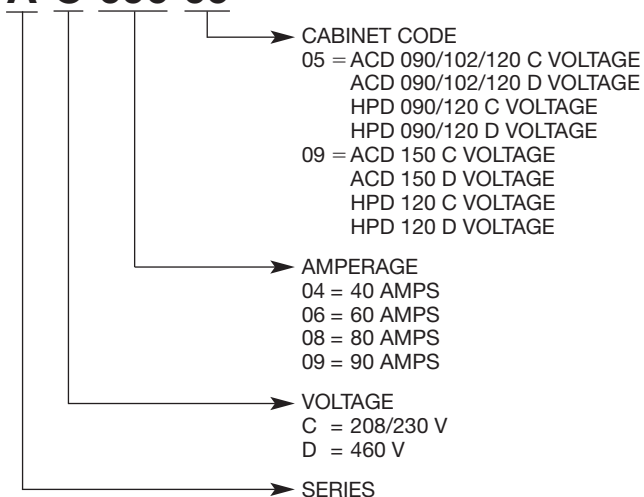
RXRX – A C 02



Kit Model Number	Volts	Unit Application
RXJX-AC0605	C Voltage 240V	ACD 090/102
RXJX-AC0805	C Voltage 240V	ACD 120
RXJX-AD0605	D Voltage 480/600V	ACD 090/102/120
RXJX-AC0805	C Voltage 240V	HPD 090/102
RXJX-AD0405	D Voltage 480/600V	HPD 090/102
RXJX-AC0909	C Voltage 240V	ACD 150
RXJX-AD0609	D Voltage 480/600V	ACD 150
RXJX-AC0909	C Voltage 240V	HPD 120
RXJX-AD0409	D Voltage 480/600V	HPD 120

SINGLE POINT WIRING KIT

RXJX – A C 090 09



FLUSH MOUNT ROOM TEMPERATURE SENSORS FOR NETWORKED DDC APPLICATIONS



ROOM TEMPERATURE SENSOR ZNS-101 with TIMED OVERRIDE BUTTON

10k Ω room temperature sensor transmits room temperature to DDC system. Timed override button allows tenant to change from unoccupied temperature setpoint to occupied temperature setpoint for a preset time.



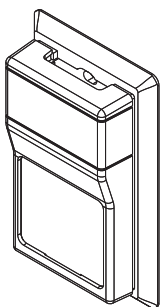
ROOM TEMPERATURE SENSOR ZNS-102 with TIMED OVERRIDE BUTTON and STATUS INDICATOR

10k Ω room temperature sensor transmits room temperature to DDC system. Timed override button allows tenant to change from unoccupied temperature setpoint to occupied temperature setpoint for a preset time. Status Indicator Light transmits ALARM flash code to occupied space.



ROOM TEMPERATURE SENSOR ZNS-103 with SETPOINT ADJUSTMENT and TIMED OVERRIDE BUTTON

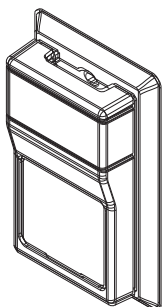
10k Ω room temperature sensor with setpoint adjustment transmits room temperature to DDC system along with desired occupied room temperature setpoint. Timed override button allows tenant to change from unoccupied temperature setpoint to occupied temperature setpoint for a preset time.



ROOM HUMIDITY SENSOR

RHC-ZNS4

Transmits room relative humidity to DDC System.



ROOM TEMPERATURE AND RELATIVE HUMIDITY SENSOR

RHC-ZNS5

Transmits room temperature and relative humidity to DDC System.

COMMUNICATION CARDS

Field Installed



BACnet® COMMUNICATION CARD RXRX-AY01

The field installed BACnet® Communication Card allows the RTU-C unit controller to communicate with a third party building management system that supports the BACnet Application Specific Controller device profile. The BACnet® Communication Module plugs onto the unit RTU-C controller and allows communication between the RTU-C and the BACnet MSTP network.



LonWorks® COMMUNICATION CARD RXRX-AY02

The field installed LonWorks® Communication Card allows the RTU-C unit controller to communicate with a third party building management system that supports the LonMark Space Comfort Controller (SCC) functional profile or LonMark Discharge Air Controller (DAC) functional profile. The LonMark Communication Module plugs onto the RTU-C controller and allows communication between the RTU-C and a LonWorks Network.