



R-32 Standard Efficiency Gas/Electric Direct-Drive Packaged Rooftop Unit 15-25 Ton DSG Light Commercial

15-20 TON - 10.8 EER/14 IEER

25 TON - 9.8 EER/13 IEER



R32

*Complete warranty details available from your local distributor or manufacturer's representative or at www.daikincomfort.com

A woman with blonde hair tied in a bun, wearing a light-colored business suit, is looking down at a clipboard she is holding. She is standing on a staircase with a metal railing. The background is slightly blurred, showing the steps of the staircase.

Our Perfect Package:

Harnessing energy-efficient performance, proven technology, and enhanced comfort for life.

Since becoming the first company in Japan to manufacture packaged air conditioning systems, in 1951, Daikin has supported comfortable indoor living based on the strengths and technologies that have led to the growth of the company becoming one of the world's largest manufacturers of HVAC products, systems and refrigerants.

Today, as a comprehensive global manufacturer of HVAC products and systems, the Daikin brand is committed to being recognized as a truly global and excellent company capable of continually creating new value for its customers. The company plans to pursue sustainable growth and foster business operations that consistently harmonize with the goals of improving indoor comfort.

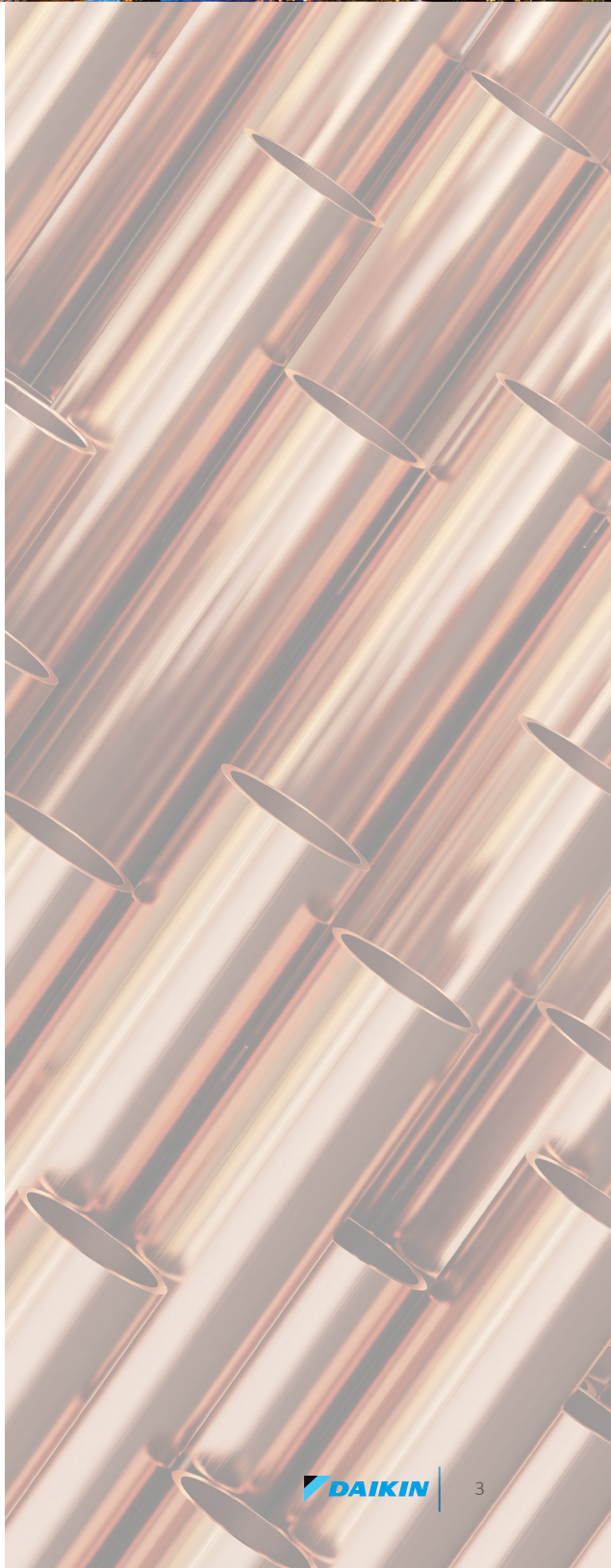
The group philosophy of the company includes:

- » Creating new value continuously for customers
- » Developing world leading energy-saving technology
- » Being a flexible and dynamic organization
- » Allowing employees to be the driving force for the success of the company
- » Fostering an atmosphere of best practices, boldness, and innovation
- » Thinking and acting globally



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Nomenclature

		D	S	G	120	3	S	400	C	A	A	X	X	X	X	X	X	X	X	X	X	A	*
		1	2	3	4,5,6	7	8	9,10,11	12	13	14	15	16	17	18	19	20	21	22	23	24		
																						Revision Levels	
																						Major & Minor	

Daikin Packaged Rooftop Units (RTUs) are built to perform, with features and options that help provide low installation and operation costs, superior indoor air quality, efficient operation, and longevity.

Installation

Daikin Packaged Units are designed with fast and easy installation in mind for both new construction and retrofit.

Cabinet Construction

Daikin packaged rooftop units are made with high quality galvanized steel with a powder-paint finish to provide higher corrosion resistance.

- » Unit fully insulated to prevent sweating and thermal losses, using our foil face fiberglass insulation which also omits exposed filter fibers into the airstream.
- » The full perimeter base rail is built using heavy gauge galvanized steel for a stronger structural installation. The base rails are a minimum of 3 ½" tall and include holes to allow for overhead rigging and lifting with forklifts.
- » Electrical lines and gas lines can be brought through the base of the unit or through the horizontal knockout for easy installation and accessibility on the field

Compressor

High performance, low noise scroll compressors with stage control to match the required total load for efficient part load control.

- » Resiliently factory-mounted on rubber grommets for vibration isolation.
- » Refrigeration circuit includes both high and low pressure safety switches.
- » Unit is factory charged with environmentally friendly Low GWP R-32 refrigerant.
- » Two single-stage scroll compressors individually circuited for partial load applications.
- » Compressor location outside the condenser section to avoid air bypass.
- » Crankcase heaters and external thermal overload protection are also provided for compressor durability.

Supply Fan

Supply fan will be 2 direct-drive motors.

- » Ball bearing Direct-Drive EEM motor removes the need for belts, sheaves, bearings and lubrication. Slide out forward curb fan for easy maintenance and replacement.
- » High-static drive options for applications with high airflow/ static requirements.
- » Each fan assembly is dynamically trim balanced at the factory before shipment for quick start-up and efficient operation.
- » Motor with thermal overload is provided for long lasting operation.

Coils

All units use large face area outdoor coils. These coils are constructed with seamless copper tubes, mechanically bonded into aluminum plate-type fins with full drawn collars to completely cover the tubes for high operating efficiencies.

- » Coils are factory pressure tested to ensure pressure and leak integrity.
- » Coils include a Thermal Expansion Valve per circuit, high- and low-pressure switches, service ports and high capacity filter drier.
- » Microchannel heat exchanger technology on all condenser coils for improved performance and reduced refrigerant load.
- » All units use large face area outdoor coils.
- » Copper tube / aluminum fin coils on evaporator.



Controls and Wiring

Packaged rooftop units come equipped with a well-organized, large, easy to use, weatherproof internal control box with easy access, for a better user experience.

- » Units are factory-wired with color-coded wires and complete 24-volt electromechanical controls package.
- » Units include single-point power entry as standard
- » Terminal strips are provided as standard for easy installation and field power wiring.

Filtration

Unit provides a draw-through filter section as standard for better air quality and long lasting component maintenance.

- » Filters installed on the units are standard off the shelf sizes for easy replacement.
- » One size filter per unit for low maintenance cost and easy replacement.
- » 2" deep filters standard on all units with option for up to 4" on large chassis (15 tons and over).

Heating Section

Wide range of natural gas and electric heat selections effectively handle most comfort heating demand from morning warm-up control to full heat, all available with Daikin's Wrinkle Bend heat exchanger technology.

Gas Furnace

ETL certified heating modules provide a custom match to specific design requirement.

- » Wrinkle Bend Technology available on all Daikin gas heat exchangers. The Wrinkle Bend Technology reduces the manufacturing stress that leads to defects and pinholes in the tubes at the same time as it increases the gas turbulence to amplify the heat transfer.
- » Two-stage capability for varying heating loads requirements.
- » All 3-Phase models have a minimum 80% T.E. (Thermal Efficiency)
- » User has the flexibility to order heat exchanger tubes with 20 Gauge, G160, aluminized steel or stainless steel to meet your application needs.

- » The furnace has a tubular design with in-shot gas burner manifold and is installed downstream of the supply fan.
- » The module contains an induced draft fan that will maintain a negative pressure in the heat exchanger tubes for the removal of the flue gases to protect indoor air quality.
- » All gas fired units provides flame roll out safety and high limit temperature protection for reliable operation..
- » Induced draft fan includes an airflow safety switch to prevent heating operation in the event of no airflow for occupant safety.
- » All burner assemblies are factory tested and adjusted prior to shipment.
- » Heating control is fully integrated into the unit's control system for quick start-up and reliable control.
- » Optional field installed LP kits are available for staged heating modules as well as high altitude kits.

Electrical

Units are completely wired and tested at the factory to provide faster commissioning and start-up.

- » Wiring complies with NEC requirements and all applicable UL standards.
- » For ease of use, wiring and electrical components are number coded and labeled according to the electrical diagram.
- » A 115 V GFI convenience outlet requiring independent power supply for the receptacle is optional.
- » An optional unit powered 20 amp 115 V convenience outlet, complete with factory mounted transformer, disconnect switch, and primary and secondary overload protection, eliminates the need to pull a separate 115 V power source.
- » Supply air fan, compressor, and condenser fan motor branch circuits have individual short circuit protection. Unit includes knockouts in the bottom of the main control panels for field wiring entrance.
- » A single-point power connection with power block is standard and a terminal strip is provided for connecting low voltage control wiring.
- » For better serviceability an optional non-fused disconnect switch is mounted inside the control panel and operated by an externally mounted handle to disconnect the electrical power at the unit.



Applications

Daikin Rooftop units are intended for comfort cooling applications in normal heating, ventilating, and air conditioning. Consult your local Daikin sales representative for applications involving operations at high ambient temperatures, high altitudes, non-cataloged voltages, or for job-specific unit selections that fall outside of the range of the catalog tables.

For proper operation, units should be rigged in accordance with instructions stated on the installation manual. Fire dampers, if required, must be installed in the ductwork according to local and/or state codes. No space is allowed for these dampers in the unit.

Follow factory check, test and start procedures explicitly to achieve satisfactory start-up and operation.

Most rooftop applications take advantage of the significant energy savings provided with economizer operation. When an economizer system is used, mechanical refrigeration is typically not required below an ambient temperature of 50°F on most cases.

Serviceability

Daikin packaged rooftop units are built with serviceability in mind, designed to make future maintenance and service on the unit easy and accessible..

- » Our packaged rooftop units offer a slide out blower to facilitate the access and removal of the fan.
- » Independent compressor outside of the air bypass to eliminate component blockage and provide easy access.
- » Color coded and continuously marked wire to identify point-to-point component connections.
- » Condenser clean out from inside-out.
- » Easy access to gas valves and control panel.



	DSG1803DL00001S	DSG1803DM00001S	DSG1803DH00001S	DSG1804DL00001S	DSG1804DM00001S
COOLING CAPACITY					
Total BTU/H	172,000	172,000	172,000	172,000	172,000
EER	10.8	10.8	10.8	10.8	10.8
IEER	14	14	14	14	14
AHRI Reference #	215894117	215894117	215894117	215894117	215894117
HEATING CAPACITY					
Heat Range	Low	Medium	High	Low	Medium
No. of Burners	6	8	8	6	8
High Stage Input / Output (KBTU/H)	260 / 210.6	360 / 291.6	400 / 324	260 / 210.6	360 / 291.6
Low Stage Input / Output (KBTU/H)	195 / 157.95	270 / 218.7	300 / 243	195 / 157.95	270 / 218.7
Thermal Efficiency (T.E.)	81%	81%	81%	81%	81%
Annual Fuel Utilization Efficiency (AFUE)	N/A	N/A	N/A	N/A	N/A
High Stage Temperature Rise Range (°F)	25-55	25-55	25-55	25-55	25-55
Low Stage Temperature Rise Range (°F)	15-45	15-45	15-45	15-45	15-45
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)					
Motor Type	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
Indoor Nominal CFM	5000	5000	5000	5000	5000
RPM	300-1600	300-1600	300-1600	300-1600	300-1600
Indoor Horsepower	3.5	3.5	3.5	3.5	3.5
Filter Size (in)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)
Drain Size (NPT)	1"	1"	1"	1"	1"
R-32 Refrigerant Charge (oz.) (1)	105	105	105	105	105
R-32 Refrigerant Charge (oz.) (2)	90	90	90	90	90
Evaporator Coil Face Area (ft²)	21.69	21.69	21.69	21.69	21.69
Rows Deep/ Fins per Inch	2 / 18	2 / 18	2 / 18	2 / 18	2 / 18
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)					
Quantity of Condenser Fan Motors	3	3	3	3	3
RPM (High/Low stage)	1122	1122	1122	1050	1050
Outdoor Horsepower	1/3	1/3	1/3	1/3	1/3
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	25.9	25.9	25.9	25.9	25.9
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23	1 / 23	1 / 23
COMPRESSOR					
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	25 / 179	25 / 179	25 / 179	10.9 / 103.0	10.9 / 103.1
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-3-60	208/230-3-60	208/230-3-60	460-3-60	460-3-60
Indoor Blower FLA	10.9	10.9	10.9	7.2	7.2
Max External Static (In. W.C.)	1.2	1.2	1.2	1.2	1.2
Outdoor Fan FLA	2.0	2.0	2	0.85	0.85
Min. Circuit Ampacity ¹	84.1/84.1	84.1/84.1	84.1/84.1	41.4	41.4
Max. Overcurrent Protection (A) ²	100/100	100/100	100/100	50	50
Power Supply Conduit Hole Dia. (in)	2.5	2.5	2.5	2.5	2.5
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5	0.5	0.5
OPERATING WEIGHT (LBS)					
	1922	1922	1922	1922	1922
SHIP WEIGHT (LBS)					
	2037	2037	2037	2037	2037

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

	DSG1804DH00001S	DSG1807DL00001S	DSG1807DM00001S	DSG1807DH00001S
COOLING CAPACITY				
Total BTU/H	172,000	172,000	172,000	172,000
EER	10.8	10.8	10.8	10.8
IEER	14	14	14	14
AHRI Reference #	215894117	215894117	215894117	215894117
HEATING CAPACITY				
Heat Range	High	Low	Medium	High
No. of Burners	8	6	8	8
High Stage Input / Output (KBTU/H)	400 / 324	260 / 210.6	360 / 291.6	400 / 324
Low Stage Input / Output (KBTU/H)	300 / 243	195 / 157.95	270 / 218.7	300 / 243
Thermal Efficiency (T.E.)	81%	81%	81%	81%
Annual Fuel Utilization Efficiency (AFUE)	N/A	N/A	N/A	N/A
High Stage Temperature Rise Range (°F)	25-55	25-55	25-55	25-55
Low Stage Temperature Rise Range (°F)	15-45	15-45	15-45	15-45
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)				
Motor Type	Direct Drive	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15 x 15	15 x 15	15 x 15	15 x 15
Indoor Nominal CFM	5000	5000	5000	5000
RPM	300-1600	300-1600	300-1600	300-1600
Indoor Horsepower	3.5	3.5	3.5	3.5
Filter Size (in)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)
Drain Size (NPT)	1"	1"	1"	1"
R-32 Refrigerant Charge (oz.) (1)	105	105	105	105
R-32 Refrigerant Charge (oz.) (2)	90	90	90	90
Evaporator Coil Face Area (ft²)	21.69	21.69	21.69	21.69
Rows Deep/ Fins per Inch	2 / 18	2 / 18	2 / 18	2 / 18
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)				
Quantity of Condenser Fan Motors	3	3	3	3
RPM (High/Low stage)	1050	1050	1050	1050
Outdoor Horsepower	1/3	1/3	1/3	1/3
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	25.9	25.9	25.9	25.9
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23	1 / 23
COMPRESSOR				
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	10.9 / 103.2	8.4 / 78.0	8.4 / 78.0	8.4 / 78.0
ELECTRICAL DATA				
Voltage-Phase-Frequency	460-3-60	575-3-60	575-3-60	575-3-60
Indoor Blower FLA	7.2	5	5	5
Max External Static (In. W.C.)	1.2	1.2	1.2	1.2
Outdoor Fan FLA	0.85	0.67	0.67	0.67
Min. Circuit Ampacity ¹	41.4	31	31	31
Max. Overcurrent Protection (A) ²	50	35	35	35
Power Supply Conduit Hole Dia. (in)	2.5	2.5	2.5	2.5
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5	0.5
OPERATING WEIGHT (LBS)				
	1922	1922	1922	1922
SHIP WEIGHT (LBS)				
	2037	2037	2037	2037

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

	DSG2403DL00001S	DSG2403DM00001S	DSG2403DH00001S	DSG2404DL00001S	DSG2404DM00001S
COOLING CAPACITY					
Total BTU/H	230,000	230,000	230,000	230,000	230,000
EER	10.8	10.8	10.8	10.8	10.8
IEER	14	14	14	14	14
AHRI Reference #	215894118	215894118	215894118	215894118	215894118
HEATING CAPACITY					
Heat Range	Low	Medium	High	Low	Medium
No. of Burners	6	8	8	6	8
High Stage Input / Output (KBTU/H)	260 / 210.6	360 / 291.6	400 / 324	260 / 210.6	360 / 291.6
Low Stage Input / Output (KBTU/H)	195 / 157.95	270 / 218.7	300 / 243	195 / 157.95	270 / 218.7
Thermal Efficiency (T.E.)	81%	81%	81%	81%	81%
Annual Fuel Utilization Efficiency (AFUE)	N/A	N/A	N/A	N/A	N/A
High Stage Temperature Rise Range (°F)	25-55	25-55	25-55	25-55	25-55
Low Stage Temperature Rise Range (°F)	15-45	15-45	15-45	15-45	15-45
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)					
Motor Type	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
Indoor Nominal CFM	6400	6400	6400	6400	6400
RPM	300-1600	300-1600	300-1600	300-1600	300-1600
Indoor Horsepower	3.5	3.5	3.5	3.5	3.5
Filter Size (in)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)
Drain Size (NPT)	1"	1"	1"	1"	1"
R-32 Refrigerant Charge (oz.) (1)	150	150	150	150	150
R-32 Refrigerant Charge (oz.) (2)	140	140	140	140	140
Evaporator Coil Face Area (ft²)	21.69	21.69	21.69	21.69	21.69
Rows Deep/ Fins per Inch	4 / 18	4 / 18	4 / 18	4 / 18	4 / 18
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)					
Quantity of Condenser Fan Motors	4	4	4	4	4
RPM (High/Low stage)	1130	1130	1130	1115	1115
Outdoor Horsepower	1/2	1/2	1/2	1/2	1/2
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	25.9	25.9	25.9	25.9	25.9
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23	1 / 23	1 / 23
COMPRESSOR					
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	29.4 / 225	29.4 / 225	29.4 / 225	13.7 / 130.0	13.7 / 130.0
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-3-60	208/230-3-60	208/230-3-60	460-3-60	460-3-60
Indoor Blower FLA	10.9	10.9	10.9	7.2	7.2
Max External Static (In. W.C.)	1.2	1.2	1.2	1.2	1.2
Outdoor Fan FLA	2.7	2.7	2.7	1.4	1.4
Min. Circuit Ampacity ¹	98.7/98.7	98.7/98.7	98.7/98.7	50.8	50.8
Max. Overcurrent Protection (A) ²	125/125	125/125	125/125	60	60
Power Supply Conduit Hole Dia. (in)	2.5	2.5	2.5	2.5	2.5
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5	0.5	0.5
OPERATING WEIGHT (LBS)					
	2175	2175	2175	2175	2175
SHIP WEIGHT (LBS)					
	2290	2290	2290	2290	2290

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

	DSG2404DH00001S	DSG2407DL00001S	DSG2407DM00001S	DSG2407DH00001S
COOLING CAPACITY				
Total BTU/H	230,000	230,000	230,000	230,000
EER	10.8	10.8	10.8	10.8
IEER	14	14	14	14
AHRI Reference #	215894118	215894118	215894118	215894118
HEATING CAPACITY				
Heat Range	High	Low	Medium	High
No. of Burners	8	6	8	8
High Stage Input / Output (KBTU/H)	400 / 324	260 / 210.6	360 / 291.6	400 / 324
Low Stage Input / Output (KBTU/H)	300 / 243	195 / 157.95	270 / 218.7	300 / 243
Thermal Efficiency (T.E.)	81%	81%	81%	81%
Annual Fuel Utilization Efficiency (AFUE)	N/A	N/A	N/A	N/A
High Stage Temperature Rise Range (°F)	25-55	25-55	25-55	25-55
Low Stage Temperature Rise Range (°F)	15-45	15-45	15-45	15-45
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)				
Motor Type	Direct Drive	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15 x 15	15 x 15	15 x 15	15 x 15
Indoor Nominal CFM	6400	6400	6400	6400
RPM	300-1600	300-1600	300-1600	300-1600
Indoor Horsepower	3.5	3.5	3.5	3.5
Filter Size (in)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)
Drain Size (NPT)	1"	1"	1"	1"
R-32 Refrigerant Charge (oz.) (1)	150	150	150	150
R-32 Refrigerant Charge (oz.) (2)	140	140	140	140
Evaporator Coil Face Area (ft²)	21.69	21.69	21.69	21.69
Rows Deep/ Fins per Inch	4 / 18	4 / 18	4 / 18	4 / 18
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)				
Quantity of Condenser Fan Motors	4	4	4	4
RPM (High/Low stage)	1115	1075	1075	1075
Outdoor Horsepower	1/2	1/2	1/2	1/2
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	25.9	25.9	25.9	25.9
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23	1 / 23
COMPRESSOR				
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	13.7 / 130.0	10.9 / 93.7	10.9 / 93.7	10.9 / 93.7
ELECTRICAL DATA				
Voltage-Phase-Frequency	460-3-60	575-3-60	575-3-60	575-3-60
Indoor Blower FLA	7.2	5	5	5
Max External Static (In. W.C.)	1.2	1.2	1.2	1.2
Outdoor Fan FLA	1.4	1	1	1
Min. Circuit Ampacity ¹	50.8	38.5	38.5	38.5
Max. Overcurrent Protection (A) ²	60	45	45	45
Power Supply Conduit Hole Dia. (in)	2.5	2.5	2.5	2.5
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5	0.5
OPERATING WEIGHT (LBS)				
	2175	2175	2175	2175
SHIP WEIGHT (LBS)				
	2290	2290	2290	2290

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

	DSG3003DL00001S	DSG3003DM00001S	DSG3003DH00001S	DSG3004DL00001S	DSG3004DM00001S
COOLING CAPACITY					
Total BTU/H	290,000	290,000	290,000	290,000	290,000
EER	9.8	9.8	9.8	9.8	9.8
IEER	13	13	13	13	13
AHRI Reference #	215894121	215894121	215894121	215894121	215894121
HEATING CAPACITY					
Heat Range	Low	Medium	High	Low	Medium
No. of Burners	6	8	8	6	8
High Stage Input / Output (KBTU/H)	260 / 210.6	360 / 291.6	400 / 324	260 / 210.6	360 / 291.6
Low Stage Input / Output (KBTU/H)	195 / 157.95	270 / 218.7	300 / 243	195 / 157.95	270 / 218.7
Thermal Efficiency (T.E.)	81%	81%	81%	81%	81%
Annual Fuel Utilization Efficiency (AFUE)	N/A	N/A	N/A	N/A	N/A
High Stage Temperature Rise Range (°F)	25-55	25-55	25-55	25-55	25-55
Low Stage Temperature Rise Range (°F)	15-45	15-45	15-45	15-45	15-45
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)					
Motor Type	Direct Drive	Direct Drive	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15 x 15	15 x 15	15 x 15	15 x 15	15 x 15
Indoor Nominal CFM	7650	7650	7650	7650	7650
RPM	300-1600	300-1600	300-1600	300-1600	300-1600
Indoor Horsepower	5.0	5.0	5.0	5.0	5.0
Filter Size (in)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)
Drain Size (NPT)	1"	1"	1"	1"	1"
R-32 Refrigerant Charge (oz.) (1)	178	178	178	178	178
R-32 Refrigerant Charge (oz.) (2)	163	163	163	163	163
Evaporator Coil Face Area (ft²)	21.69	21.69	21.69	21.69	21.69
Rows Deep/ Fins per Inch	4 / 18	4 / 18	4 / 18	4 / 18	4 / 18
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)					
Quantity of Condenser Fan Motors	5	5	5	5	5
RPM (High/Low stage)	1130	1130	1130	1115	1115
Outdoor Horsepower	1/2	1/2	1/2	1/2	1/2
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	25.9	25.9	25.9	25.9	25.9
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23	1 / 23	1 / 23
COMPRESSOR					
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	48.3 / 336	48.3 / 336	48.3 / 336	20.5 / 147	20.5 / 147
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-3-60	208/230-3-60	208/230-3-60	460-3-60	460-3-60
Indoor Blower FLA	14.5	14.5	14.5	10.6	10.6
Max External Static (In. W.C.)	1.2	1.2	1.2	1.2	1.2
Outdoor Fan FLA	2.7	2.7	2.7	1.4	1.4
Min. Circuit Ampacity ¹	151 / 151	151 / 151	151 / 151	74.3	74.3
Max. Overcurrent Protection (A) ²	175 / 175	175 / 175	175 / 175	90	90
Power Supply Conduit Hole Dia. (in)	2.5	2.5	2.5	2.5	2.5
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5	0.5	0.5
OPERATING WEIGHT (LBS)					
	2316	2316	2316	2316	2316
SHIP WEIGHT (LBS)					
	2431	2431	2431	2431	2431

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

	DSG3004DH00001S	DSG3007DL00001S	DSG3007DM00001S	DSG3007DH00001S
COOLING CAPACITY				
Total BTU/H	290,000	290,000	290,000	290,000
EER	9.8	9.8	9.8	9.8
IEER	13	13	13	13
AHRI Reference #	215894121	215894121	215894121	215894121
HEATING CAPACITY				
Heat Range	High	Low	Medium	High
No. of Burners	8	6	8	8
High Stage Input / Output (KBTU/H)	400 / 324	260 / 210.6	360 / 291.6	400 / 324
Low Stage Input / Output (KBTU/H)	300 / 243	195 / 157.95	270 / 218.7	300 / 243
Thermal Efficiency (T.E.)	81%	81%	81%	81%
Annual Fuel Utilization Efficiency (AFUE)	N/A	N/A	N/A	N/A
High Stage Temperature Rise Range (°F)	25-55	25-55	25-55	25-55
Low Stage Temperature Rise Range (°F)	15-45	15-45	15-45	15-45
EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)				
Motor Type	Direct Drive	Direct Drive	Direct Drive	Direct Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15 x 15	15 x 15	15 x 15	15 x 15
Indoor Nominal CFM	7650	7650	7650	7650
RPM	300-1600	300-1600	300-1600	300-1600
Indoor Horsepower	5.0	5.0	5.0	5.0
Filter Size (in)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)	20 X 20 X 2 (8)
Drain Size (NPT)	1"	1"	1"	1"
R-32 Refrigerant Charge (oz.) (1)	178	178	178	178
R-32 Refrigerant Charge (oz.) (2)	163	163	163	163
Evaporator Coil Face Area (ft²)	21.69	21.69	21.69	21.69
Rows Deep/ Fins per Inch	4 / 18	4 / 18	4 / 18	4 / 18
CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)				
Quantity of Condenser Fan Motors	5	5	5	5
RPM (High/Low stage)	1115	1075	1075	1075
Outdoor Horsepower	1/2	1/2	1/2	1/2
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft²)	25.9	25.9	25.9	25.9
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23	1 / 23
COMPRESSOR				
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	20.5 / 147	13.8 / 109.0	13.8 / 109.0	13.8 / 109.0
ELECTRICAL DATA				
Voltage-Phase-Frequency	460-3-60	575-3-60	575-3-60	575-3-60
Indoor Blower FLA	10.6	7.2	7.2	7.2
Max External Static (In. W.C.)	1.2	1.2	1.2	1.2
Outdoor Fan FLA	1.4	1	1	1
Min. Circuit Ampacity ¹	74.3	50.4	50.4	50.4
Max. Overcurrent Protection (A) ²	90	60	60	60
Power Supply Conduit Hole Dia. (in)	2.5	2.5	2.5	2.5
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5	0.5
OPERATING WEIGHT (LBS)				
	2316	2316	2316	2316
SHIP WEIGHT (LBS)				
	2431	2431	2431	2431

¹ Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

² May use fuses or HACR-type circuit breakers of the same size as noted.

Note: Always check the S&R plate for electrical data on the unit being installed.

AHRI Ratings

MODEL	CAPACITY	EER	IEER
DSG1803DL00001S	172,000	10.8	14
DSG1803DM00001S	172,000	10.8	14
DSG1803DH00001S	172,000	10.8	14
DSG1804DL00001S	172,000	10.8	14
DSG1804DM00001S	172,000	10.8	14
DSG1804DH00001S	172,000	10.8	14
DSG1807DL00001S	172,000	10.8	14
DSG1807DM00001S	172,000	10.8	14
DSG1807DH00001S	172,000	10.8	14
DSG2403DL00001S	230,000	10.8	14
DSG2403DM00001S	230,000	10.8	14
DSG2403DH00001S	230,000	10.8	14
DSG2404DL00001S	230,000	10.8	14
DSG2404DM00001S	230,000	10.8	14
DSG2404DH00001S	230,000	10.8	14
DSG2407DL00001S	230,000	10.8	14
DSG2407DM00001S	230,000	10.8	14
DSG2407DH00001S	230,000	10.8	14
DSG3003DL00001S	290,000	9.8	13
DSG3003DM00001S	290,000	9.8	13
DSG3003DH00001S	290,000	9.8	13
DSG3004DL00001S	290,000	9.8	13
DSG3004DM00001S	290,000	9.8	13
DSG3004DH00001S	290,000	9.8	13
DSG3007DL00001S	290,000	9.8	13
DSG3007DM00001S	290,000	9.8	13
DSG3007DH00001S	290,000	9.8	13

Sound Data

STATIC PRESSURE	15T SOUND (dB) AT 60 Hz										
	Component	Component	A-Weighted	63	125	250	500	1000	2000	4000	8000
1.4"	5150	Discharge	79.1	90.5	82.3	79.7	78.7	73.0	67.6	64.4	53.7
		Inlet	78.5	93.0	87.3	80.9	75.1	72.2	67.6	64.4	53.7
2.2"		Discharge	84.6	91.4	87.3	86.1	84.1	78.7	73.4	69.8	60.0
		Inlet	76.9	91.6	86.6	84.1	70.9	66.5	60.3	58.7	49.7
		Outdoor	80.4	99.9	86.2	78.7	75.3	74.5	72.3	69.3	63.1

STATIC PRESSURE	20T SOUND (dB) AT 60 Hz										
	Component	Component	A-Weighted	63	125	250	500	1000	2000	4000	8000
1.4"	6590	Discharge	79.6	87.9	81.7	81.0	79.0	74.0	67.4	65.0	55.7
		Inlet	70.3	89.7	81.7	74.8	62.4	58.7	54.5	53.6	47.2
Discharge		84.6	83.5	84.9	84.4	83.8	79.9	73.4	70.1	62.6	
Inlet		72.3	82.1	79.3	75.0	71.2	64.5	61.6	59.1	51.9	
		Outdoor	92.1	109.4	96.5	96.5	87.7	84.3	81.2	75.0	68.7

STATIC PRESSURE	25T SOUND (dB) AT 60 Hz										
	Component	Component	A-Weighted	63	125	250	500	1000	2000	4000	8000
1.4"	8390	Discharge	86.4	85.7	87.4	88.4	85.6	81.2	74.5	70.5	61.1
		Inlet	74.4	88.1	82.8	81.4	68.1	66.2	59.1	56.1	46.5
2.2"		Discharge	86.5	89.7	88.3	88.0	85.3	81.7	75.4	71.0	61.7
		Inlet	76.0	89.8	87.4	80.0	69.7	68.3	61.7	58.0	48.6
		Outdoor	91.3	107.7	94.7	92.5	87.9	85.2	82.5	78.3	68.7

dB - decibel

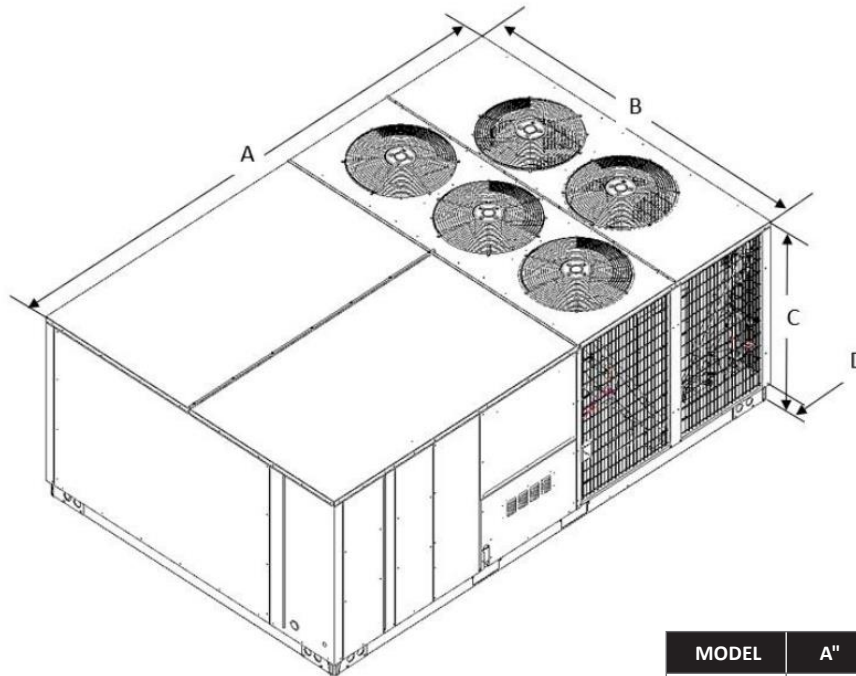
¹ Indoor sound data is measured in accordance with AHRI 260. Outdoor sound is measured in accordance with AHRI 370

² Measurements are expressed in terms of sound power. Do not compare these values to sound pressure values because sound pressure depends on specific environment factors which normally do not match individual applications. Sound power values are independent of the environment and therefore more accurate.

³ A-weighted sound ratings filter out high and very low frequencies, to better approximate the response of "average" human ear. A-weighted measurements for Daikin units are taken in accordance with AHRI standard 260 for the indoor sound and AHRI 370 for the outdoor sound.

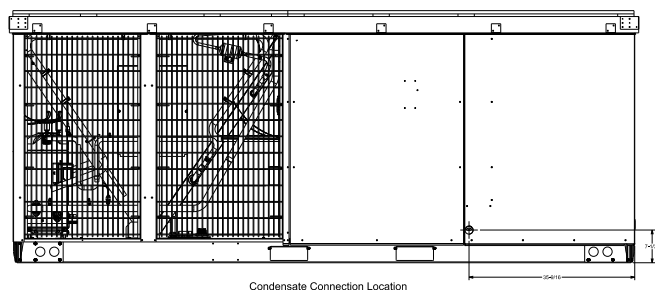
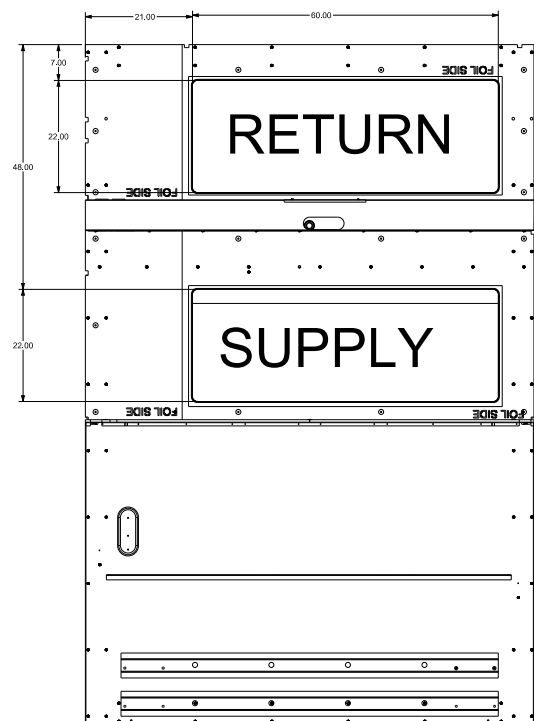
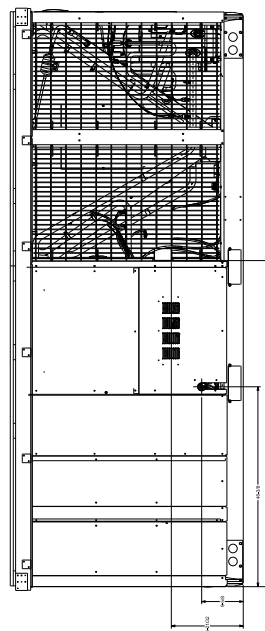
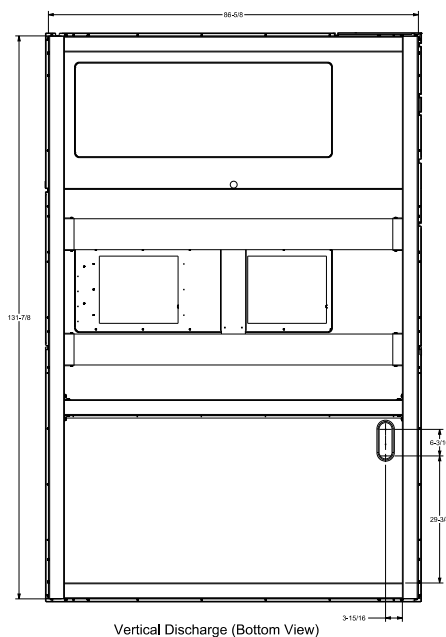
Coil Dimensions

MODEL	SIZE	FIN HEIGHT IN.	FIN LENGTH IN.
DSG	15	40	78.092
DSG	20	40	78.092
DSG	25	40	78.092



NOTE: 15 ton has 3 fans; 20 ton has 4 fans; 25 ton has 5 fans

MODEL	A"	B"	C"	D"
15 Ton	133%	88½	51 ¹¹ / ₁₆	5 ⁵ / ₃₂
20 Ton			51	
25 Ton				



		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		Entering Indoor Wet Bulb Temperature																																			
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
4500	MBh	174.6	177.0	182.3	-	173.0	175.5	180.7	-	168.4	170.9	176.1	-	160.6	163.1	168.3	-	151.0	153.4	158.7	-	142.2	144.7	149.9	-												
	S/T	0.60	0.53	0.42	-	0.60	0.54	0.42	-	0.63	0.56	0.44	-	0.65	0.58	0.45	-	0.68	0.61	0.47	-	0.77	0.68	0.54	-												
	ΔT	21.09	19.11	15.43	-	21.03	19.06	15.38	-	21.31	19.34	15.66	-	21.01	19.04	15.36	-	20.75	18.78	15.09	-	21.98	20.01	16.33	-												
	kW	10.91	10.90	10.88	-	12.32	12.31	12.29	-	13.90	13.89	13.86	-	15.60	15.59	15.57	-	17.50	17.49	17.47	-	19.74	19.73	19.70	-												
	Hi PR	263	264	266	-	304	305	307	-	348	349	351	-	394	396	397	-	445	446	448	-	499	500	502	-												
70	Lo PR	114	115	118	-	121	122	125	-	127	128	131	-	132	133	136	-	137	138	141	-	138	143	147	-												
	MBh	176.5	179.0	184.2	-	174.9	177.4	182.6	-	170.3	172.8	178.0	-	162.5	165.0	170.2	-	152.9	155.4	160.6	-	144.1	146.6	151.8	-												
	S/T	0.63	0.56	0.43	-	0.63	0.56	0.44	-	0.66	0.59	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	0.80	0.72	0.56	-												
	ΔT	20.13	18.16	14.48	-	20.08	18.10	14.42	-	20.35	18.38	14.70	-	20.06	18.08	14.40	-	19.79	17.82	14.14	-	21.03	19.06	15.37	-												
	kW	10.97	10.96	10.94	-	12.38	12.37	12.35	-	13.96	13.95	13.92	-	15.66	15.65	15.62	-	17.56	17.55	17.53	-	19.79	19.78	19.76	-												
6000	Hi PR	265	266	268	-	306	307	309	-	349	351	352	-	396	397	399	-	447	448	450	-	500	501	503	-												
	Lo PR	115	116	119	-	122	123	126	-	128	129	132	-	133	134	137	-	138	139	142	-	140	144	149	-												
	MBh	181.1	183.6	188.8	-	179.5	182.0	187.2	-	174.9	177.4	182.6	-	167.1	169.6	174.8	-	157.5	160.0	165.2	-	148.7	151.2	156.4	-												
	S/T	0.68	0.60	0.45	-	0.68	0.60	0.45	-	0.71	0.63	0.48	-	0.73	0.64	0.49	-	0.77	0.67	0.50	-	0.87	0.77	0.58	-												
	ΔT	18.60	16.63	12.95	-	18.55	16.58	12.90	-	18.83	16.86	13.17	-	18.53	16.56	12.88	-	18.27	16.29	12.61	-	19.50	17.53	13.85	-												
75	kW	11.07	11.06	11.03	-	12.48	12.47	12.44	-	14.05	14.04	14.01	-	15.75	15.74	15.72	-	17.66	17.64	17.62	-	19.89	19.88	19.85	-												
	Hi PR	268	269	271	-	310	311	313	-	353	354	356	-	400	401	403	-	450	451	453	-	504	505	507	-												
	Lo PR	118	119	122	-	125	126	129	-	131	132	135	-	136	137	140	-	141	142	145	-	143	149	152	-												
	MBh	175.5	178.0	183.2	191.2	173.9	176.4	181.6	189.6	169.3	171.8	177.0	185.0	161.5	164.0	169.2	177.2	151.9	154.3	159.6	167.6	143.1	145.6	150.8	158.8												
	S/T	0.72	0.65	0.53	0.41	0.72	0.66	0.54	0.42	0.75	0.68	0.56	0.43	0.78	0.71	0.58	0.44	0.82	0.74	0.60	0.46	0.91	0.83	0.68	0.53												
4500	ΔT	25.42	23.45	19.77	16.0	25.37	23.40	19.71	15.9	25.64	23.67	19.99	16.2	25.35	23.37	19.69	15.9	25.08	23.11	19.43	15.6	26.32	24.35	20.66	16.8												
	kW	10.91	10.89	10.87	11.0	12.32	12.30	12.28	12.4	13.89	13.88	13.85	14.0	15.59	15.58	15.56	15.7	17.49	17.48	17.46	17.6	19.73	19.72	19.69	19.8												
	Hi PR	263	264	266	271	305	306	308	312	348	349	351	355	395	396	398	402	445	446	448	453	499	500	502	506												
	Lo PR	114	115	118	123	121	122	125	130	127	128	131	136	132	133	136	141	137	138	141	146	139	144	147	152												
	MBh	177.4	179.9	185.1	193.1	175.8	178.3	183.5	191.5	171.3	173.7	179.0	186.9	163.4	165.9	171.1	179.1	153.8	156.3	161.5	169.5	145.0	147.5	152.7	160.7												
75	S/T	0.76	0.69	0.56	0.43	0.77	0.69	0.56	0.43	0.79	0.72	0.59	0.45	0.82	0.75	0.60	0.46	0.87	0.78	0.63	0.48	0.96	0.87	0.71	0.55												
	ΔT	24.47	22.49	18.81	15.0	24.41	22.44	18.76	14.9	24.69	22.72	19.04	15.2	24.39	22.42	18.74	14.9	24.13	22.16	18.47	14.7	25.36	23.39	19.71	15.9												
	kW	10.96	10.95	10.93	11.0	12.37	12.36	12.34	12.4	13.95	13.94	13.91	14.0	15.65	15.64	15.62	15.7	17.55	17.54	17.52	17.6	19.79	19.77	19.75	19.9												
	Hi PR	265	266	268	272	306	307	309	314	350	351	353	357	396	398	399	404	447	448	450	454	501	502	504	508												
	Lo PR	115	116	119	124	122	123	126	131	128	129	132	137	133	134	137	142	138	139	142	147	139	146	149	153												
6000	MBh	182.0	184.5	189.7	197.7	180.4	182.9	188.1	196.1	175.9	178.3	183.6	191.5	168.0	170.5	175.7	183.7	158.4	160.9	166.1	174.1	149.6	152.1	157.3	165.3												
	S/T	0.83	0.75	0.60	0.45	0.84	0.75	0.60	0.45	0.87	0.78	0.63	0.47	0.90	0.81	0.65	0.48	0.94	0.85	0.67	0.50	1.00	0.95	0.76	0.57												
	ΔT	22.94	20.97	17.29	13.5	22.89	20.91	17.23	13.4	23.16	21.19	17.51	13.7	22.87	20.89	17.21	13.4	22.60	20.63	16.95	13.1	22.67	21.86	18.18	14.4												
	kW	11.06	11.05	11.02	11.1	12.47	12.46	12.43	12.5	14.04	14.03	14.01	14.1	15.74	15.73	15.71	15.8	17.65	17.64	17.61	17.7	19.88	19.87	19.84	20.0												
	Hi PR	268	269	271	276	310	311	313	317	353	354	356	361	400	401	403	407	450	451	453	458	504	505	507	512												
75	Lo PR	118	119	122	127	125	126	129	134	131	132	135	140	136	137	140	145	138	142	145	150	147	149	152	156												
	MBh	175.5	178.0	183.2	191.2	173.9	176.4	181.6	189.6	169.3	171.8	177.0	185.0	161.5	164.0	169.2	177.2	151.9	154.3	159.6	167.6	143.1	145.6	150.8	158.8												
	S/T	0.72	0.65	0.53	0.41	0.72	0.66	0.54	0.42	0.75	0.68	0.56	0.43	0.78	0.71	0.58	0.44	0.82	0.74	0.60	0.46	0.91	0.83	0.68	0.53												
	ΔT	25.42	23.45	19.77	16.0	25.37	23.40	19.71	15.9	25.64	23.67	19.99	16.2	25.35	23.37	19.69	15.9	25.08	23.11	19.43	15.6	26.32	24.35	20.66	16.8												
	kW	10.91	10.89	10.87	11.0	12.32	12.30	12.28	12.4	13.89	13.88	13.85	14.0	15.59	15.58	15.56	15.7	17.49	17.48	17.46	17.6	19.73	19.72	19.69	19.8												
4500	Hi PR	263	264	266	271	305	306	308	312	348	349	351	355	395	396	398	402	445	446	448	453	499	500	502	506												
	Lo PR	114	115	118	123	121	122	125	130	127	128	131	136	132	133	136	141	137	138	141	146	139	144	147	152												
	MBh	177.4	179.9	185.1	193.1	175.8	178.3	183.5	191.5	171.3	173.7	179.0	186.9	163.4	165.9	171.1	179.1	153.8	156.3	161.5	169.5	145.0	147.5	152.7	160.7												
	S/T	0.76	0.69	0.56	0.43	0.77	0.69	0.56	0.43	0.79	0.72	0.59	0.45	0.82	0.75	0.60	0.46	0.87	0.78	0.63	0.48	0.96	0.87	0.71	0.55												

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	MBh	176.4	178.9	184.1	192.1	174.8	177.3	182.5	190.5	170.3	172.7	178.0	185.9	162.4	164.9	170.1	178.1	152.8	155.3	160.5	168.5	144.0	146.5	151.7	159.7						
	S/T	0.84	0.77	0.65	0.52	0.84	0.78	0.65	0.53	0.87	0.80	0.68	0.55	0.91	0.83	0.70	0.56	0.95	0.88	0.73	0.59	1.00	0.97	0.82	0.66						
	ΔT	29.79	27.81	24.13	20.3	29.73	27.76	24.08	20.3	30.01	28.04	24.36	20.5	29.71	27.74	24.06	20.2	29.45	27.48	23.79	20.0	29.09	28.71	25.03	21.2						
	kW	10.91	10.90	10.88	11.0	12.32	12.31	12.29	12.4	13.90	13.89	13.86	14.0	15.60	15.59	15.56	15.7	17.50	17.49	17.47	17.6	19.73	19.72	19.70	19.8						
	Hi PR	264	265	267	271	305	306	308	313	348	350	351	356	395	396	398	403	445	447	448	453	499	500	502	507						
5012	Lo PR	114	116	118	123	121	122	125	130	127	128	131	136	127	134	136	141	128	139	141	146	143	145	148	153						
	MBh	178.3	180.8	186.0	194.0	176.7	179.2	184.4	192.4	172.2	174.6	179.9	187.8	164.3	166.8	172.0	180.0	154.7	157.2	162.4	170.4	145.9	148.4	153.6	161.6						
	S/T	0.89	0.82	0.69	0.55	0.90	0.82	0.69	0.55	0.93	0.85	0.72	0.57	0.96	0.89	0.74	0.59	1.00	0.93	0.78	0.62	1.00	1.00	0.86	0.69						
	ΔT	28.83	26.86	23.18	19.4	28.78	26.81	23.12	19.3	29.05	27.08	23.40	19.6	28.76	26.79	23.10	19.3	28.06	26.52	22.84	19.0	26.47	26.92	24.07	20.3						
	kW	10.97	10.96	10.94	11.0	12.38	12.37	12.35	12.5	13.95	13.94	13.92	14.0	15.66	15.65	15.62	15.7	17.56	17.55	17.53	17.6	19.79	19.78	19.76	19.9						
6000	Hi PR	265	267	268	273	307	308	310	314	350	351	353	358	397	398	400	404	447	448	450	455	501	502	504	509						
	Lo PR	116	117	120	125	122	124	127	132	127	130	133	138	127	135	138	143	139	140	143	148	145	152	149	154						
	MBh	182.9	185.4	190.6	198.6	181.3	183.8	189.0	197.0	176.8	179.2	184.5	192.4	168.9	171.4	176.6	184.6	159.3	161.8	167.0	175.0	150.5	153.0	158.2	166.2						
	S/T	0.99	0.90	0.75	0.59	0.99	0.91	0.75	0.60	1.00	0.94	0.78	0.62	1.00	0.97	0.81	0.64	1.00	1.00	0.84	0.66	1.00	1.00	0.94	0.74						
	ΔT	27.30	25.33	21.65	17.8	27.25	25.28	21.60	17.8	26.78	25.56	21.87	18.1	25.59	25.26	21.58	17.8	24.14	24.51	21.31	17.5	22.81	23.18	22.55	18.7						
85	kW	11.06	11.05	11.03	11.1	12.47	12.46	12.44	12.5	14.05	14.04	14.01	14.1	15.75	15.74	15.72	15.8	17.65	17.64	17.62	17.7	19.89	19.88	19.85	20.0						
	Hi PR	269	270	272	276	310	311	313	318	354	355	357	361	400	401	403	408	451	452	454	458	504	506	507	512						
	Lo PR	119	120	123	128	125	127	130	135	131	133	136	141	137	138	141	146	142	153	146	151	148	153	152	157						
	MBh	179.3	181.8	187.0	195.0	177.8	180.2	185.5	193.5	173.2	175.7	180.9	188.9	165.3	167.8	173.0	181.0	155.7	158.2	163.4	171.4	147.0	149.4	154.7	162.6						
	S/T	0.93	0.86	0.74	0.61	0.94	0.87	0.75	0.62	0.97	0.90	0.77	0.64	1.00	0.93	0.80	0.66	1.00	0.98	0.84	0.69	1.00	1.00	0.92	0.76						
4500	ΔT	33.66	31.69	28.00	24.2	33.60	31.63	27.95	24.1	33.88	31.91	28.23	24.4	33.40	31.61	27.93	24.1	31.46	31.35	27.67	23.9	29.69	30.19	28.90	25.1						
	kW	10.94	10.93	10.90	11.0	12.35	12.34	12.31	12.4	13.92	13.91	13.89	14.0	15.63	15.62	15.59	15.7	17.53	17.52	17.49	17.6	19.76	19.75	19.73	19.8						
	Hi PR	265	266	268	272	306	307	309	314	350	351	353	357	396	397	399	404	447	448	450	454	500	502	503	508						
	Lo PR	115	117	120	125	115	124	127	132	114	130	133	138	134	135	138	143	139	140	143	148	145	147	149	154						
	MBh	181.2	183.7	188.9	196.9	179.7	182.2	187.4	195.4	175.1	177.6	182.8	190.8	167.2	169.7	174.9	182.9	157.6	160.1	165.3	173.3	148.9	151.3	156.6	164.6						
5012	S/T	0.99	0.92	0.79	0.65	1.00	0.93	0.79	0.65	1.00	0.96	0.82	0.68	1.00	1.00	0.85	0.70	1.00	1.00	0.89	0.73	1.00	1.00	0.98	0.81						
	ΔT	32.70	30.73	27.05	23.2	32.59	30.68	26.99	23.2	31.76	30.95	27.27	23.5	30.34	30.66	26.97	23.2	28.59	29.04	26.71	22.9	27.00	27.45	27.95	24.1						
	kW	11.00	10.99	10.96	11.1	12.41	12.40	12.37	12.5	13.98	13.97	13.95	14.1	15.68	15.67	15.65	15.8	17.59	17.58	17.55	17.7	19.82	19.81	19.78	19.9						
	Hi PR	267	268	270	274	308	309	311	316	351	353	354	359	398	399	401	406	449	450	452	456	502	503	505	510						
	Lo PR	115	119	122	126	124	126	128	133	130	132	134	139	135	137	140	144	140	143	145	149	147	148	151	156						
6000	MBh	185.8	188.3	193.5	201.5	184.3	186.8	192.0	200.0	179.7	182.2	187.4	195.4	171.8	174.3	179.5	187.5	162.2	164.7	169.9	177.9	153.5	155.9	161.2	169.2						
	S/T	1.00	1.00	0.87	0.71	1.00	1.00	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	1.00	0.88						
	ΔT	28.16	28.53	25.52	21.7	27.92	28.30	25.47	21.7	27.23	27.60	25.75	21.9	26.04	26.41	25.45	21.6	24.58	24.96	25.18	21.4	23.25	23.63	24.42	22.6						
	kW	11.09	11.08	11.06	11.2	12.50	12.49	12.47	12.6	14.08	14.06	14.04	14.1	15.78	15.77	15.74	15.9	17.68	17.67	17.65	17.8	19.91	19.90	19.88	20.0						
	Hi PR	270	271	273	278	311	313	314	319	355	356	358	362	402	403	405	409	452	453	455	460	506	507	509	513						
85	Lo PR	120	142	125	129	127	143	131	136	133	142	137	142	138	144	143	147	143	145	148	152	150	151	167	159						
	IDB: Entering Indoor Dry Bulb Temperature																	Shaded area reflects ACCA (TVA) conditions					High and low pressures are measured at the liquid and suction access fittings.								

High and low pressures are measured at the liquid and suction access fittings.

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

		Outdoor Ambient Temperature																																			
		65						75						85						95						105						115					
		Entering Indoor Wet Bulb Temperature																																			
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
6000	MBh	234.4	237.7	244.7	-	232.3	235.6	242.6	-	226.2	229.5	236.5	-	215.7	219.0	226.0	-	202.8	206.1	213.1	-	191.1	194.4	201.4	-												
	S/T	0.58	0.52	0.41	-	0.59	0.52	0.41	-	0.61	0.54	0.43	-	0.63	0.56	0.44	-	0.66	0.59	0.46	-	0.75	0.67	0.52	-												
	ΔT	20.70	18.72	15.04	-	20.64	18.67	14.99	-	20.92	18.95	15.27	-	20.62	18.65	14.97	-	20.36	18.39	14.71	-	21.59	19.62	15.94	-												
	kW	15.40	15.39	15.36	-	17.17	17.16	17.13	-	19.15	19.13	19.10	-	21.28	21.27	21.24	-	23.67	23.66	23.63	-	26.47	26.46	26.42	-												
	Hi PR	266	267	269	-	308	309	311	-	352	353	355	-	399	400	402	-	450	451	453	-	504	505	507	-												
	Lo PR	121	122	125	-	128	129	133	-	134	136	139	-	140	141	144	-	141	147	150	-	139	144	154	-												
70	MBh	236.0	239.3	246.3	-	233.9	237.2	244.2	-	227.8	231.1	238.1	-	217.3	220.6	227.6	-	204.4	207.7	214.7	-	192.7	196.0	203.0	-												
	S/T	0.60	0.53	0.41	-	0.60	0.54	0.42	-	0.63	0.56	0.43	-	0.65	0.58	0.45	-	0.68	0.60	0.46	-	0.77	0.68	0.53	-												
	ΔT	20.13	18.16	14.48	-	20.08	18.10	14.42	-	20.35	18.38	14.70	-	20.06	18.08	14.40	-	19.79	17.82	14.14	-	21.03	19.06	15.37	-												
	kW	15.45	15.43	15.40	-	17.22	17.20	17.17	-	19.19	19.18	19.15	-	21.33	21.31	21.28	-	23.71	23.70	23.67	-	26.51	26.50	26.47	-												
	Hi PR	267	268	270	-	309	310	312	-	353	354	356	-	400	401	403	-	451	452	454	-	505	506	508	-												
	Lo PR	122	123	126	-	129	130	133	-	135	137	140	-	141	142	145	-	143	147	151	-	140	145	155	-												
8000	MBh	244.1	247.4	254.4	-	242.0	245.3	252.3	-	235.9	239.2	246.2	-	225.4	228.7	235.7	-	212.6	215.9	222.9	-	200.8	204.1	211.1	-												
	S/T	0.66	0.58	0.44	-	0.66	0.58	0.44	-	0.69	0.61	0.46	-	0.71	0.62	0.47	-	0.74	0.65	0.48	-	0.84	0.74	0.56	-												
	ΔT	18.24	16.27	12.58	-	18.18	16.21	12.53	-	18.46	16.49	12.81	-	18.16	16.19	12.51	-	17.90	15.93	12.25	-	19.14	17.16	13.48	-												
	kW	15.59	15.58	15.55	-	17.36	17.35	17.32	-	19.33	19.32	19.29	-	21.47	21.46	21.43	-	23.86	23.84	23.81	-	26.66	26.64	26.61	-												
	Hi PR	272	273	275	-	313	315	316	-	357	358	360	-	404	406	407	-	455	456	458	-	510	511	513	-												
	Lo PR	126	127	130	-	133	135	138	-	139	141	144	-	145	146	149	-	148	152	155	-	145	151	160	-												

		Outdoor Ambient Temperature																							
		65						75						85											
		Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
6000	MBh	235.6	238.9	245.9	256.6	233.5	236.8	243.8	254.5	227.4	230.7	237.7	248.4	216.9	220.2	227.2	237.9	204.0	207.3	214.3	225.0	192.3	195.6	202.6	213.3
	S/T	0.70	0.64	0.52	0.40	0.71	0.64	0.52	0.40	0.73	0.67	0.54	0.42	0.76	0.69	0.56	0.43	0.80	0.72	0.59	0.45	0.89	0.81	0.66	0.51
	ΔT	25.03	23.06	19.38	15.6	24.98	23.01	19.32	15.5	25.26	23.28	19.60	15.8	24.96	22.99	19.30	15.5	24.69	22.72	19.04	15.2	25.93	23.96	20.28	16.5
	kW	15.39	15.38	15.35	15.5	17.16	17.15	17.12	17.3	19.14	19.12	19.09	19.2	21.27	21.26	21.23	21.4	23.66	23.64	23.61	23.7	26.46	26.44	26.41	26.5
	Hi PR	266	267	269	274	308	309	311	316	352	353	355	360	399	400	402	407	450	451	453	458	504	505	507	512
	Lo PR	121	122	125	130	128	129	133	138	134	136	139	144	139	141	144	149	139	147	150	155	139	145	155	161
6400	MBh	237.2	240.5	247.5	258.2	235.1	238.4	245.4	256.1	229.0	232.3	239.3	250.0	218.5	221.8	228.8	239.5	205.6	208.9	215.9	226.6	193.9	197.2	204.2	214.9
	S/T	0.73	0.66	0.54	0.41	0.73	0.66	0.54	0.41	0.76	0.69	0.56	0.43	0.79	0.71	0.58	0.44	0.83	0.75	0.60	0.46	0.92	0.83	0.68	0.52
	ΔT	24.47	22.49	18.81	15.0	24.41	22.44	18.76	14.9	24.69	22.72	19.04	15.2	24.39	22.42	18.74	14.9	24.13	22.16	18.47	14.7	25.36	23.39	19.71	15.9
	kW	15.44	15.42	15.39	15.5	17.20	17.19	17.16	17.3	19.18	19.16	19.13	19.3	21.31	21.30	21.27	21.4	23.70	23.69	23.66	23.8	26.50	26.49	26.46	26.6
	Hi PR	267	269	270	275	309	310	312	317	353	354	356	361	400	401	403	408	451	452	454	459	505	507	508	513
	Lo PR	122	123	126	131	129	130	133	139	135	137	140	145	139	142	145	150	140	147	151	156	140	146	157	162
8000	MBh	245.3	248.6	255.6	266.3	243.2	246.5	253.5	264.2	237.1	240.4	247.4	258.1	226.6	229.9	236.9	247.6	213.8	217.1	224.1	234.7	202.0	205.3	212.3	223.0
	S/T	0.81	0.73	0.58	0.43	0.81	0.73	0.59	0.43	0.85	0.76	0.61	0.45	0.87	0.79	0.63	0.46	0.92	0.82	0.65	0.48	1.00	0.92	0.74	0.55
	ΔT	22.57	20.60	16.92	13.1	22.52	20.55	16.87	13.1	22.80	20.83	17.14	13.3	22.50	20.53	16.85	13.0	22.24	20.26	16.58	12.8	22.96	21.50	17.82	14.0
	kW	15.58	15.57	15.54	15.7	17.35	17.34	17.31	17.4	19.32	19.31	19.28	19.4	21.46	21.45	21.42	21.6	23.85	23.83	23.80	23.9	26.65	26.63	26.60	26.7
	Hi PR	272	273	275	280	314	315	317	321	357	359	361	365	405	406	408	412	456	457	459	463	510	511	513	517
	Lo PR	126	127	130	135	133	135	138	143	139	141	144	149	140	146	149	155	138	152	155	160	148	152	161	166

IDB: Entering Indoor Dry Bulb Temperature Shaded area reflects ACCA (TVA) conditions High and low pressures are measured at the liquid and suction access fittings.

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		Entering Indoor Wet Bulb Temperature																													
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	MBh	236.8	240.1	247.1	257.8	234.7	238.0	245.0	255.7	228.6	231.9	238.9	249.6	218.1	221.4	228.4	239.1	205.2	208.6	215.5	226.2	193.5	196.8	203.8	214.5	193.5	196.8	203.8	214.5		
	S/T	0.82	0.75	0.63	0.51	0.83	0.76	0.64	0.51	0.86	0.79	0.66	0.53	0.89	0.82	0.68	0.55	0.93	0.86	0.72	0.57	1.00	0.95	0.80	0.64	1.00	0.95	0.80	0.64		
	ΔT	29.40	27.43	23.74	19.9	29.34	27.37	23.69	19.9	29.62	27.65	23.97	20.2	29.32	27.35	23.67	19.9	29.06	27.09	23.41	19.6	29.32	28.32	24.64	20.8	29.32	28.32	24.64	20.8		
	kW	15.40	15.39	15.36	15.5	17.17	17.16	17.13	17.3	19.14	19.13	19.10	19.2	21.28	21.27	21.24	21.4	23.67	23.65	23.62	23.8	26.47	26.45	26.42	26.6	26.47	26.45	26.42	26.6		
	Hi PR	267	268	270	274	309	310	312	316	352	354	355	360	400	401	403	407	450	450	452	453	458	505	506	508	512	505	506	508	512	
80	Lo PR	121	123	126	131	127	130	133	138	127	136	139	145	127	142	145	150	127	147	150	155	144	147	157	162	144	147	157	162		
	MBh	238.4	241.7	248.7	259.4	236.3	239.6	246.6	257.3	230.2	233.5	240.5	251.2	219.7	223.0	230.0	240.7	206.9	210.2	217.2	227.8	195.1	198.4	205.4	216.1	195.1	198.4	205.4	216.1		
	S/T	0.85	0.78	0.66	0.53	0.86	0.79	0.66	0.53	0.89	0.82	0.68	0.55	0.92	0.85	0.71	0.56	0.97	0.89	0.74	0.59	1.00	0.98	0.83	0.66	1.00	0.98	0.83	0.66		
	ΔT	28.83	26.86	23.18	19.4	28.78	26.81	23.12	19.3	29.05	27.08	23.40	19.6	28.76	26.79	23.10	19.3	28.49	26.52	22.84	19.0	27.72	27.76	24.07	20.3	27.72	27.76	24.07	20.3		
	kW	15.45	15.43	15.40	15.5	17.21	17.20	17.17	17.3	19.19	19.17	19.14	19.3	21.32	21.31	21.28	21.4	23.71	23.70	23.67	23.8	26.51	26.50	26.47	26.6	26.51	26.50	26.47	26.6		
8000	Hi PR	268	269	271	276	310	311	313	317	354	355	357	361	401	402	404	408	452	453	455	459	506	507	509	513	506	507	509	513		
	Lo PR	122	124	127	132	128	131	134	139	128	137	140	145	127	143	146	151	127	148	151	156	149	148	158	163	149	148	158	163		
	MBh	246.5	249.9	256.8	267.5	244.5	247.8	254.7	265.4	238.3	241.6	248.6	259.3	227.8	231.1	238.1	248.8	215.0	218.3	225.3	236.0	203.3	206.6	213.5	224.2	203.3	206.6	213.5	224.2		
	S/T	0.96	0.88	0.73	0.57	0.97	0.88	0.73	0.58	1.00	0.92	0.76	0.60	1.00	0.95	0.78	0.62	1.00	0.99	0.82	0.64	1.00	1.00	0.91	0.72	1.00	1.00	0.91	0.72		
	ΔT	26.94	24.97	21.29	17.5	26.89	24.91	21.23	17.4	27.08	25.19	21.51	17.7	25.89	24.89	21.21	17.4	24.43	24.63	20.95	17.1	23.10	23.47	22.18	18.4	23.10	23.47	22.18	18.4		
85	kW	15.59	15.58	15.55	15.7	17.36	17.35	17.31	17.5	19.33	19.32	19.29	19.4	21.47	21.45	21.42	21.6	23.86	23.84	23.81	23.9	26.66	26.64	26.61	26.7	26.66	26.64	26.61	26.7		
	Hi PR	272	274	275	280	314	315	317	322	358	359	361	366	405	406	408	413	456	457	459	464	510	511	513	518	510	511	513	518		
	Lo PR	126	128	131	136	127	135	138	143	140	141	145	150	145	147	150	155	151	152	155	160	157	159	162	167	157	159	162	167		
	MBh	240.8	244.1	251.1	261.7	238.7	242.0	249.0	259.6	232.6	235.9	242.8	253.5	222.0	225.3	232.3	243.0	209.2	212.5	219.5	230.2	197.5	200.8	207.8	218.4	197.5	200.8	207.8	218.4		
	S/T	0.91	0.85	0.73	0.60	0.92	0.85	0.73	0.60	0.95	0.88	0.76	0.63	0.99	0.91	0.78	0.64	1.00	0.96	0.82	0.67	1.00	1.00	0.91	0.75	1.00	1.00	0.91	0.75		
6000	ΔT	33.27	31.30	27.61	23.8	33.21	31.24	27.56	23.7	33.49	31.52	27.84	24.0	33.19	31.22	27.54	23.7	31.70	30.96	27.28	23.5	29.92	30.42	28.51	24.7	29.92	30.42	28.51	24.7		
	kW	15.44	15.42	15.39	15.5	17.20	17.19	17.16	17.3	19.18	19.16	19.13	19.3	21.31	21.30	21.27	21.4	23.70	23.69	23.66	23.8	26.50	26.49	26.46	26.6	26.50	26.49	26.46	26.6		
	Hi PR	268	269	271	276	310	311	313	318	354	355	357	361	401	402	404	408	452	453	455	459	506	507	509	514	506	507	509	514		
	Lo PR	115	125	128	133	115	132	135	140	115	138	141	146	115	142	147	152	147	141	152	157	154	156	159	164	154	156	159	164		
	MBh	242.4	245.7	252.7	263.3	240.3	243.6	250.6	261.2	234.2	237.5	244.5	255.1	223.6	227.0	233.9	244.6	210.8	214.1	221.1	231.8	199.1	202.4	209.4	220.0	199.1	202.4	209.4	220.0		
6400	S/T	0.95	0.88	0.75	0.62	0.96	0.89	0.76	0.62	0.99	0.92	0.79	0.65	1.00	0.95	0.81	0.67	1.00	1.00	0.85	0.70	1.00	1.00	0.94	0.77	1.00	1.00	0.94	0.77		
	ΔT	32.70	30.73	27.05	23.2	32.65	30.68	26.99	23.2	32.93	30.95	27.27	23.5	31.77	30.66	26.97	23.2	29.94	30.39	26.71	22.9	28.28	28.75	27.95	24.1	28.28	28.75	27.95	24.1		
	kW	15.48	15.47	15.44	15.6	17.25	17.23	17.20	17.3	19.22	19.21	19.18	19.3	21.36	21.34	21.31	21.4	23.74	23.73	23.70	23.8	26.54	26.53	26.50	26.6	26.54	26.53	26.50	26.6		
	Hi PR	269	270	272	277	311	312	314	319	355	356	358	362	402	403	405	410	453	454	456	460	507	508	510	515	507	508	510	515		
	Lo PR	115	125	128	134	114	133	136	141	114	139	142	147	143	142	148	153	148	142	153	158	155	156	159	165	155	156	159	165		
8000	MBh	250.5	253.8	260.8	271.5	248.4	251.7	258.7	269.4	242.3	245.6	252.6	263.3	231.8	235.1	242.1	252.7	218.9	222.2	229.2	239.9	207.2	210.5	217.5	228.2	207.2	210.5	217.5	228.2		
	S/T	1.00	1.00	0.85	0.69	1.00	1.00	0.85	0.70	1.00	1.00	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	1.00	0.86	1.00	1.00	1.00	0.86		
	ΔT	28.46	28.84	25.16	21.3	28.23	28.60	25.10	21.3	27.53	27.91	25.38	21.6	26.34	26.71	25.08	21.3	24.88	25.25	24.82	21.0	23.54	23.92	24.71	22.2	23.54	23.92	24.71	22.2		
	kW	15.62	15.61	15.58	15.7	17.39	17.38	17.35	17.5	19.37	19.35	19.32	19.5	21.50	21.49	21.46	21.6	23.89	23.88	23.84	24.0	26.69	26.68	26.64	26.8	26.69	26.68	26.64	26.8		
	Hi PR	274	275	277	281	315	317	318	323	359	360	362	367	406	408	409	414	457	458	460	465	512	513	515	519	512	513	515	519		
IDB: Entering Indoor Dry Bulb Temperature	Lo PR	128	130	133	138	135	143	140	145	142	143	146	151	147	149	152	157	153	154	157	162	159	161	166	169	159	161	166	169		
	Shaded area reflects ACCA (TVA) conditions																	High and low pressures are measured at the liquid and suction access fittings.													

High and low pressures are measured at the liquid and suction access fittings.

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		Entering Indoor Wet Bulb Temperature																													
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	MBh	296.9	301.1	309.9	-	294.3	298.4	307.2	-	286.6	290.7	299.5	-	273.3	277.5	286.3	-	257.1	261.3	270.1	-	242.3	246.5	255.3	-						
	S/T	0.56	0.50	0.39	-	0.56	0.50	0.39	-	0.59	0.52	0.41	-	0.61	0.54	0.42	-	0.64	0.56	0.43	-	0.72	0.64	0.50	-						
	ΔT	20.17	18.21	14.55	-	20.12	18.16	14.50	-	20.39	18.43	14.78	-	20.10	18.14	14.48	-	19.83	17.88	14.22	-	21.06	19.10	15.44	-						
	kW	21.02	21.01	20.96	-	23.43	23.41	23.37	-	26.12	26.10	26.06	-	29.03	29.01	28.97	-	32.28	32.26	32.22	-	36.10	36.08	36.04	-						
	Hi PR	280	281	283	-	323	325	326	-	369	370	372	-	419	420	422	-	472	473	475	-	529	530	532	-						
	Lo PR	122	123	126	-	129	130	134	-	135	137	140	-	141	142	145	-	143	148	151	-	140	145	155	-						
70	MBh	297.6	301.7	310.5	-	294.9	299.1	307.9	-	287.2	291.4	300.2	-	274.0	278.1	286.9	-	257.8	261.9	270.7	-	243.0	247.1	256.0	-						
	S/T	0.57	0.50	0.39	-	0.57	0.51	0.39	-	0.59	0.53	0.41	-	0.61	0.54	0.42	-	0.64	0.57	0.44	-	0.72	0.64	0.50	-						
	ΔT	20.00	18.04	14.38	-	19.95	17.99	14.33	-	20.22	18.26	14.60	-	19.93	17.97	14.31	-	19.66	17.70	14.05	-	20.89	18.93	15.27	-						
	kW	21.04	21.02	20.98	-	23.45	23.43	23.39	-	26.14	26.12	26.08	-	29.05	29.03	28.99	-	32.30	32.28	32.24	-	36.12	36.10	36.06	-						
	Hi PR	280	281	283	-	324	325	327	-	370	371	373	-	419	420	422	-	472	473	475	-	529	530	532	-						
	Lo PR	122	123	126	-	129	131	134	-	136	137	140	-	141	143	146	-	144	148	151	-	140	145	155	-						
10000	MBh	310.7	314.9	323.7	-	308.1	312.2	321.1	-	300.4	304.5	313.4	-	287.1	291.3	300.1	-	270.9	275.1	283.9	-	256.1	260.3	269.1	-						
	S/T	0.63	0.55	0.41	-	0.63	0.55	0.41	-	0.66	0.58	0.43	-	0.68	0.59	0.44	-	0.71	0.62	0.46	-	0.80	0.70	0.53	-						
	ΔT	17.74	15.78	12.12	-	17.69	15.73	12.07	-	17.96	16.00	12.34	-	17.67	15.71	12.05	-	17.40	15.44	11.79	-	18.63	16.67	13.01	-						
	kW	21.28	21.26	21.22	-	23.69	23.67	23.63	-	26.38	26.36	26.32	-	29.29	29.27	29.23	-	32.54	32.52	32.48	-	36.35	36.33	36.29	-						
	Hi PR	286	287	289	-	329	331	333	-	375	377	378	-	425	426	428	-	478	479	481	-	535	536	538	-						
	Lo PR	127	129	132	-	135	136	139	-	141	142	146	-	146	148	151	-	149	153	156	-	147	152	162	-						

		Outdoor Ambient Temperature																							
		65					75					85													
		Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	59	63	67	71	75	59	63	67	71	75	59	63	67	71	75									
7500	MBh	298.4	302.6	311.4	324.9	295.8	300.0	308.8	322.2	288.1	292.3	301.1	314.5	274.8	279.0	287.8	301.3	258.6	262.8	271.6	285.1	243.8	248.0	256.8	270.3
	S/T	0.68	0.61	0.50	0.38	0.68	0.62	0.50	0.38	0.71	0.64	0.52	0.40	0.73	0.66	0.54	0.41	0.77	0.70	0.56	0.43	0.86	0.78	0.63	0.49
	ΔT	24.48	22.52	18.86	15.1	24.42	22.46	18.81	15.0	24.70	22.74	19.08	15.3	24.40	22.44	18.79	15.0	24.14	22.18	18.53	14.7	25.37	23.41	19.75	16.0
	kW	21.01	20.99	20.95	21.1	23.42	23.40	23.36	23.5	26.11	26.09	26.05	26.2	29.02	29.00	28.96	29.1	32.27	32.25	32.21	32.4	36.08	36.06	36.02	36.2
	Hi PR	280	281	283	288	324	325	327	332	369	371	373	377	419	420	422	427	472	472	473	475	480	529	530	532
75	Lo PR	122	123	126	131	129	130	134	139	135	137	140	145	140	142	145	150	140	148	151	156	138	146	157	162
	MBh	299.1	303.3	312.1	325.5	296.4	300.6	309.4	322.9	288.7	292.9	301.7	315.2	275.5	279.7	288.5	301.9	259.3	263.5	272.3	285.7	244.5	248.7	257.5	270.9
	S/T	0.68	0.62	0.50	0.39	0.69	0.62	0.51	0.39	0.71	0.65	0.53	0.40	0.74	0.67	0.54	0.41	0.78	0.70	0.57	0.43	0.87	0.79	0.64	0.49
	ΔT	24.31	22.35	18.69	14.9	24.25	22.29	18.64	14.8	24.53	22.57	18.91	15.1	24.23	22.27	18.62	14.8	23.97	22.01	18.35	14.6	25.20	23.24	19.58	15.8
	kW	21.03	21.01	20.97	21.2	23.44	23.42	23.38	23.6	26.12	26.11	26.06	26.2	29.03	29.02	28.97	29.2	32.29	32.27	32.23	32.4	36.10	36.08	36.04	36.2
75	Hi PR	280	281	283	288	324	325	327	332	370	371	373	378	419	420	422	427	472	474	476	480	529	531	532	537
	Lo PR	122	123	127	132	129	131	134	139	136	137	140	145	138	143	146	151	139	148	151	156	139	147	158	163
	MBh	312.2	316.4	325.2	338.7	309.6	313.8	322.6	336.0	301.9	306.1	314.9	328.3	288.6	292.8	301.6	315.1	272.4	276.6	285.4	298.9	257.7	261.8	270.6	284.1
	S/T	0.78	0.70	0.56	0.41	0.78	0.70	0.56	0.41	0.81	0.73	0.58	0.43	0.84	0.75	0.60	0.44	0.88	0.79	0.62	0.45	0.98	0.88	0.70	0.52
	ΔT	22.05	20.09	16.43	12.6	21.99	20.03	16.38	12.6	22.27	20.31	16.65	12.9	21.97	20.01	16.36	12.6	21.71	19.75	16.09	12.3	22.94	20.98	17.32	13.5
10000	kW	21.26	21.24	21.20	21.4	23.67	23.65	23.61	23.8	26.36	26.34	26.30	26.5	29.27	29.25	29.21	29.4	32.52	32.50	32.46	32.6	36.34	36.32	36.28	36.5
	Hi PR	286	287	289	294	330	331	333	338	376	377	379	384	425	426	428	433	478	479	481	486	535	536	538	543
	Lo PR	127	129	132	137	135	136	139	144	140	142	146	151	139	148	151	156	139	153	156	161	139	153	163	168

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

High and low pressures are measured at the liquid and suction access fittings.

Outdoor Ambient Temperature																															
65					75					85					95					105					115						
Entering Indoor Wet Bulb Temperature																															
IDB	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	MBh	300.0	304.1	312.9	326.4	297.3	301.5	310.3	323.8	289.6	293.8	302.6	316.1	276.4	280.5	289.3	302.8	260.2	264.3	273.1	286.6	245.4	249.5	258.4	271.8						
	S/T	0.79	0.73	0.61	0.49	0.80	0.73	0.62	0.49	0.83	0.76	0.64	0.51	0.86	0.79	0.66	0.53	0.90	0.83	0.69	0.55	1.00	0.92	0.77	0.62						
	ΔT	28.81	26.85	23.20	19.4	28.76	26.80	23.14	19.4	29.04	27.08	23.42	19.6	28.74	26.78	23.12	19.3	28.48	26.52	22.86	19.1	29.71	27.75	24.09	20.3						
	kW	21.02	21.00	20.96	21.1	23.43	23.41	23.37	23.6	26.12	26.10	26.06	26.2	29.03	29.01	28.97	29.2	32.28	32.26	32.22	32.4	36.10	36.08	36.04	36.2						
	Hi PR	280	281	283	288	324	325	327	332	370	371	373	378	419	421	422	427	473	474	476	481	529	531	533	537						
	Lo PR	122	124	127	132	128	131	134	139	128	137	140	146	127	143	146	151	127	148	151	156	127	148	158	163						
	MBh	300.6	304.8	313.6	327.1	298.0	302.1	311.0	324.4	290.3	294.4	303.3	316.7	277.0	281.2	290.0	303.5	260.8	265.0	273.8	287.3	246.0	250.2	259.0	272.5						
	S/T	0.80	0.74	0.62	0.49	0.81	0.74	0.62	0.50	0.84	0.77	0.65	0.52	0.87	0.80	0.67	0.53	0.91	0.84	0.70	0.55	1.00	0.93	0.78	0.62						
	ΔT	28.64	26.68	23.03	19.2	28.59	26.63	22.97	19.2	28.86	26.91	23.25	19.5	28.57	26.61	22.95	19.2	28.31	26.35	22.69	18.9	29.24	27.58	23.92	20.1						
	kW	21.04	21.02	20.98	21.2	23.45	23.43	23.39	23.6	26.14	26.12	26.08	26.3	29.05	29.03	28.99	29.2	32.30	32.28	32.24	32.4	36.11	36.09	36.05	36.2						
Hi PR	281	282	284	289	324	326	328	332	370	372	373	378	420	421	423	428	473	474	476	481	530	531	533	538							
Lo PR	122	124	127	132	127	131	134	139	127	138	141	146	127	143	146	151	127	148	151	157	127	149	158	163							
10000	MBh	313.8	317.9	326.8	340.2	311.1	315.3	324.1	337.6	303.4	307.6	316.4	329.9	290.2	294.3	303.2	316.6	274.0	278.1	287.0	300.4	259.2	263.4	272.2	285.6						
	S/T	0.92	0.84	0.70	0.55	0.93	0.85	0.70	0.55	0.96	0.88	0.73	0.57	1.00	0.91	0.75	0.59	1.00	0.95	0.78	0.61	1.00	1.00	0.88	0.69						
	ΔT	26.38	24.42	20.77	17.0	26.33	24.37	20.71	16.9	26.60	24.65	20.99	17.2	26.31	24.35	20.69	16.9	24.91	24.09	20.43	16.6	23.56	23.94	21.66	17.9						
	kW	21.28	21.26	21.22	21.4	23.69	23.67	23.62	23.8	26.37	26.36	26.31	26.5	29.28	29.27	29.22	29.4	32.54	32.52	32.48	32.7	36.35	36.33	36.29	36.5						
	Hi PR	286	288	290	294	330	331	333	338	376	377	379	384	425	427	429	433	479	480	482	487	536	537	539	544						
	Lo PR	128	129	132	137	127	137	140	145	127	143	146	151	127	148	151	157	152	152	157	162	159	159	163	169						
	7500	MBh	304.9	309.1	317.9	331.4	302.3	306.5	315.3	328.7	294.6	298.8	307.6	321.0	281.3	285.5	294.3	307.8	265.1	269.3	278.1	291.6	250.3	254.5	263.3	276.8					
		S/T	0.88	0.82	0.70	0.58	0.89	0.83	0.71	0.58	0.92	0.85	0.73	0.60	0.96	0.89	0.76	0.62	1.00	0.93	0.79	0.65	1.00	1.00	0.88	0.72					
		ΔT	32.66	30.70	27.04	23.3	32.61	30.65	26.99	23.2	32.88	30.92	27.27	23.5	32.59	30.63	26.97	23.2	32.14	30.37	26.71	22.9	30.34	30.85	27.93	24.1					
		kW	21.07	21.05	21.01	21.2	23.48	23.46	23.42	23.6	26.17	26.15	26.11	26.3	29.08	29.06	29.02	29.2	32.33	32.31	32.27	32.5	36.14	36.12	36.08	36.3					
Hi PR		282	283	285	290	325	327	329	333	371	372	374	379	421	422	424	429	474	475	477	482	531	532	534	539						
Lo PR		115	125	129	134	114	133	136	141	114	139	142	147	115	142	148	153	148	142	153	158	155	154	160	165						
MBh		305.6	309.8	318.6	332.0	302.9	307.1	315.9	329.4	295.2	299.4	308.2	321.7	282.0	286.2	295.0	308.4	265.8	270.0	278.8	292.2	251.0	255.2	264.0	277.4						
S/T		0.89	0.83	0.71	0.59	0.90	0.84	0.71	0.59	0.93	0.86	0.74	0.61	0.97	0.90	0.76	0.63	1.00	0.94	0.80	0.66	1.00	1.00	0.89	0.73						
ΔT		32.49	30.53	26.87	23.1	32.44	30.48	26.82	23.0	32.71	30.75	27.09	23.3	32.42	30.46	26.80	23.0	31.59	30.19	26.54	22.7	29.83	30.32	27.76	24.0						
kW		21.09	21.07	21.03	21.2	23.49	23.48	23.43	23.6	26.18	26.16	26.12	26.3	29.09	29.07	29.03	29.2	32.34	32.33	32.28	32.5	36.16	36.14	36.10	36.3						
Hi PR	282	283	285	290	326	327	329	334	372	373	375	380	421	422	424	429	474	475	477	482	531	532	534	539							
Lo PR	115	126	129	134	115	133	136	141	115	139	143	148	115	142	148	153	149	141	153	158	155	156	160	165							
85	MBh	318.7	322.9	331.7	345.2	316.1	320.3	329.1	342.5	308.4	312.6	321.4	334.8	295.1	299.3	308.1	321.6	278.9	283.1	291.9	305.4	264.2	268.3	277.1	290.6						
	S/T	1.00	0.96	0.82	0.66	1.00	0.97	0.82	0.67	1.00	1.00	0.85	0.69	1.00	1.00	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	1.00	0.82						
	ΔT	28.98	28.27	24.61	20.8	28.74	28.22	24.56	20.8	28.04	28.42	24.83	21.0	26.83	27.21	24.54	20.7	25.36	25.74	24.28	20.5	24.01	24.39	25.19	21.7						
	kW	21.32	21.30	21.26	21.4	23.73	23.71	23.67	23.9	26.42	26.40	26.36	26.5	29.33	29.31	29.27	29.5	32.58	32.56	32.52	32.7	36.40	36.38	36.34	36.5						
	Hi PR	288	289	291	296	331	333	335	339	377	379	381	385	427	428	430	435	480	481	483	488	537	538	540	545						
	Lo PR	130	131	134	139	137	138	141	147	143	145	148	153	149	150	153	158	154	156	159	164	161	162	167	170						
IDB: Entering Indoor Dry Bulb Temperature																															
Shaded area reflects ACCA (TVA) conditions																															
High and low pressures are measured at the liquid and suction access fittings.																															

High and low pressures are measured at the liquid and suction access fittings.

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

DSG1803WL HIGH STATIC						
SPEED TAP	STATIC	AIRFLOW	RPM 1	RPM 2	BHP 1	BHP 2
T1**	0.2	2334	441	417	0.18	0.17
	0.4	1701	525	515	0.21	0.21
	0.6	1237	582	573	0.23	0.23
	0.8	953	636	633	0.25	0.25
	1	496.1	686	669	0.27	0.27
	1.2	-	-	-	-	-
	1.4	-	-	-	-	-
	1.6	-	-	-	-	-
	1.8	-	-	-	-	-
	2	-	-	-	-	-
	2.2	-	-	-	-	-
T2**	0.2	2334	441	417	0.18	0.17
	0.4	1701	525	515	0.21	0.21
	0.6	1237	582	573	0.23	0.23
	0.8	953	636	633	0.25	0.25
	1	496.1	686	669	0.27	0.27
	1.2	-	-	-	-	-
	1.4	-	-	-	-	-
	1.6	-	-	-	-	-
	1.8	-	-	-	-	-
	2	-	-	-	-	-
	2.2	-	-	-	-	-
T3	0.2	6268	781	693	0.92	0.82
	0.4	6015	815	728	0.96	0.86
	0.6	5781	849	765	1.00	0.90
	0.8	5530	886	812	1.05	0.96
	1	5226	922	863	1.09	1.02
	1.2	4918	964	914	1.14	1.08
	1.4	4606	1006	958	1.19	1.13
	1.6	4185	1042	1021	1.23	1.21
	1.8	3821	1075	1055	1.27	1.25
	2	3442	1107	1095	1.31	1.30
	2.2	3064	1139	1128	1.35	1.33
T4	0.2	8561	931	859	1.14	1.05
	0.4	8286	959	886	1.17	1.08
	0.6	8012	986	920	1.21	1.12
	0.8	7754	1013	951	1.24	1.16
	1	7487	1041	983	1.27	1.20
	1.2	7219	1068	1018	1.31	1.24
	1.4	6935	1098	1055	1.34	1.29
	1.6	6642	1131	1090	1.38	1.33
	1.8	6309	1163	1127	1.42	1.38
	2	6023	1193	1157	1.46	1.41
	2.2	5635	1224	1199	1.50	1.47

DSG1803WL HIGH STATIC						
SPEED TAP	STATIC	AIRFLOW	RPM 1	RPM 2	BHP 1	BHP 2
T5	0.2	8479	963	889	1.52	1.40
	0.4	8235	990	915	1.56	1.44
	0.6	7994	1015	946	1.60	1.49
	0.8	7767	1041	975	1.64	1.54
	1	7534	1067	1005	1.68	1.59
	1.2	7307	1093	1036	1.72	1.64
	1.4	7072	1120	1069	1.77	1.69
	1.6	6828	1149	1103	1.81	1.74
	1.8	6558	1177	1137	1.86	1.79
	2	6320	1206	1167	1.90	1.84
	2.2	6023	1235	1202	1.95	1.90
T6**	0.2	7287	856	758	1.26	1.12
	0.4	7032	889	795	1.31	1.17
	0.6	6812	919	827	1.36	1.22
	0.8	6582	965	872	1.42	1.29
	1	6359	985	901	1.45	1.33
	1.2	6098	1014	941	1.50	1.39
	1.4	5817	1050	993	1.55	1.47
	1.6	5539	1087	1034	1.60	1.53
	1.8	5264	1125	1073	1.66	1.58
	2	4962	1163	1122	1.72	1.66
	2.2	4569	1189	1170	1.75	1.73
T7**	0.2	8954	1011	898	2.16	1.92
	0.4	8720	1038	926	2.22	1.98
	0.6	8521	1068	955	2.29	2.04
	0.8	8320	1095	983	2.34	2.10
	1	8129	1123	1011	2.40	2.16
	1.2	7925	1151	1040	2.46	2.23
	1.4	7745	1171	1073	2.51	2.30
	1.6	7546	1189	1107	2.55	2.37
	1.8	7308	1225	1140	2.62	2.44
	2	7034	1251	1182	2.68	2.53
	2.2	6693	1277	1220	2.73	2.61
T8	0.2	7275	857	758	1.26	1.12
	0.4	7032	890	794	1.31	1.17
	0.6	6814	921	828	1.36	1.22
	0.8	6591	954	863	1.41	1.27
	1	6369	994	943	1.47	1.39
	1.2	6096	1016	975	1.50	1.44
	1.4	5818	1051	991	1.55	1.46
	1.6	5502	1087	1034	1.60	1.53
	1.8	5181	1126	1074	1.66	1.58
	2	4511	1152	1134	1.70	1.67
	2.2	4561	1192	1168	1.76	1.72

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6)(T7) are part load only.

DSG1803WL HIGH STATIC						
SPEED TAP	STATIC	AIRFLOW	RPM 1	RPM 2	BHP 1	BHP 2
T9	0.2	9254	1016	913	2.28	2.05
	0.4	8981	1060	942	2.38	2.11
	0.6	8772	1084	971	2.43	2.18
	0.8	8583	1111	998	2.49	2.24
	1	8405	1139	1028	2.56	2.31
	1.2	8234	1159	1057	2.60	2.37
	1.4	8040	1185	1086	2.66	2.44
	1.6	7809	1211	1116	2.72	2.50
	1.8	7612	1238	1150	2.78	2.58
	2	7420	1267	1189	2.84	2.67
T10	2.2	7120	1291	1230	2.90	2.76
	0.2	9435	1051	931	2.47	2.18
	0.4	9201	1077	959	2.53	2.25
	0.6	9003	1105	989	2.59	2.32
	0.8	8817	1132	1017	2.66	2.39
	1	8627	1158	1043	2.72	2.45
	1.2	8450	1183	1072	2.78	2.52
	1.4	8262	1208	1100	2.83	2.58
	1.6	8067	1233	1128	2.89	2.65
	1.8	7876	1259	1157	2.95	2.72
	2	7681	1286	1192	3.02	2.80
	2.2	7445	1311	1230	3.08	2.89

shaded speed tap- Gas heating airflow.

** (T1) (T2) and (T6)(T7) are part load only.