DAIKIN
AIR INTELLIGENCE

DBC Commercial

Base Efficiency Air Conditioner
Packaged Rooftop Unit
DBC Commercial
7.5 - 12.5 Nominal Tons
12.9 IEER / 11.2 EER

5 YEAR PARTS LIMITED WARRANTY*

C ETL LISTED US Intertek

AHRI CERTIFIED

ISO 9001 GLOBAL QUALITY STANDARDS

ISO 14001 CERTIFIED ENVIRONMENTAL MANAGEMENT SYSTEM

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

Supersedes 08/20

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

Contents

Nomenclature

D	B	C	120	3	V	XXX	C	X	A	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

Brand
D Daikin

Configuration
B New Base Efficiency

Application
C Cooling
G Gas Heat
H Heat Pump

Nominal Cooling Capacity
090 7½ Tons
102 8½ Tons
120 10 Tons
150 12½ Tons

Voltage
3 208-230/3/60
4 460/3/60
7 575/3/60

Supply Fan/Drive Type/Motor
V 2-speed Belt-Drive - Standard Static
S 2-speed Belt-Drive - High-Static

Nominal Heating Capacity

Gas/Electric	A/C H/P Factory-Installed Electric Heat	
210 210,000 BTU/h	XXX	No Heat
	015	15 kW
	016	15 kW
	030	30 kW
	031	30 kW
	045	45 kW
	046	45 kW

See product specifications for heat size(s) available for each capacity.

Refrigeration Systems
C Two-stage cooling modes

Heat Exchanger
X No options
A Standard Aluminized Exchanger
S Stainless Steel Exchanger

Controls
A Electromechanical controls

Sensors
X No Options
A RA Smoke Detector
B SA Smoke Detector
C RA & SA Smoke Detector

Hail guard
X No Options
C Hail Guard

Economizer
X No Options
A Ultra Low-Leak Downflow Economizer w/Enthalpy Sensor
B Low-Leak Downflow Economizer w/Enthalpy Sensor
G Ultra Low-Leak Downflow Economizer w/Dry Bulb Sensor
H Low-Leak Downflow Economizer w/Dry Bulb Sensor

Electrical
X No Options
A Non-Fused Disconnect
B Phase Monitor
C Thru-the-base connections
E Non-Fused Disconnect and Phase Monitor
F Non-Fused Disconnect and Thru-the-base connections
H Phase Monitor and Thru-the-base connections
L Non-Fused Disconnect, Thru-the-base connections and Phase Monitor

Service Options
X No Option
A Powered convenience outlet
B Non-powered convenience outlet
C Hinge Panels
D Hinged Panels and Powered convenience outlet
E Hinged Panels and non-powered convenience outlet

X No Options

Power Exhaust
X No Options
B Single-point power connection for Power Exhaust

X No Options

AC Stocking Models	
New Daikin 7.5-12.5 Ton Belt-Drive	
Model Number	**Code String**
DBC0903V000001S	DBC0903VXXXCXAXXXXXXXX
DBC0904V000001S	DBC0904VXXXCXAXXXXXXXX
DBC0907V000001S	DBC0907VXXXCXAXXXXXXXX
DBC1023V000001S	DBC1023VXXXCXAXXXXXXXX
DBC1024V000001S	DBC1024VXXXCXAXXXXXXXX
DBC1027V000001S	DBC1027VXXXCXAXXXXXXXX
DBC1203V000001S	DBC1203VXXXCXAXXXXXXXX
DBC1204V000001S	DBC1204VXXXCXAXXXXXXXX
DBC1207V000001S	DBC1207VXXXCXAXXXXXXXX
DBC1503V000001S	DBC1503VXXXCXAXXXXXXXX
DBC1504V000001S	DBC1504VXXXCXAXXXXXXXX
DBC1507V000001S	DBC1507VXXXCXAXXXXXXXX

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 and are ideal for both new construction and retrofit projects. Our packaged rooftop units are built to be a direct replacement for most rooftop units on the field without the need of a curb adapter, to be able to replace the unit in a shorter time and at a lower cost (compared to the previous design).

Cabinet Construction

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

- Easy accessibility using our tool-less filter access.
- The interior surface in the indoor air section is fully insulated to prevent sweating and thermal losses, using our foil face fiberglass insulation which also omits exposed filter fibers into the airstream.
- 1" Raised flanged edges around the supply and return offer easy installation for the duct connections.

- 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 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, adjust the speed to match the required total cooling and heating load for efficient part load control.

- Resiliently factory-mounted on rubber grommets for vibration isolation
- Refrigeration circuit includes both low- and high-pressure transducer, high pressure safety switch and temperature sensors for the suction and discharge.
- Unit is factory charged with environmentally friendly R-410A refrigerant.
- Dual single-stage scroll compressor
- Compressor location outside the condenser section to avoid air bypass.
- Internal overload protection included with compressor.

Supply Fan

Indoor forward curb fans paired with belt-drive motors provide an easy in the field belt and pulley adjustment for airflow control.

- Slide out forward curb fan for easy maintenance and replacement.
- High-static drive options for application 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 and phase failure protection is provided for motor 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.

The indoor coil section is installed in a draw through configuration to provide better dehumidification.

» Coils are factory pressure tested to ensure pressure and leak integrity.

» High- and low-pressure switches to be factory installed as fittings instead of brazed for easy removal and replacement.

» Copper tube / aluminum fin coils on condenser and evaporator

» 5mm Smart Coil Technology on all condenser coils for improved performance and reduced refrigerant load.

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 labeled color-coded wires and complete 24-volt Electromechanical controls package.

» Units include single-point power entry as standard and also available with electric heat kits if selected.

» Terminal blocks 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 or two size filter per unit for low maintenance cost and easy replacement.

» Tool-less filter access for easy and fast filter replacement and service.

Heating Section

Wide ranging of electric heat selections effectively handle most comfort heating demand from morning warm-up control to full heat.

Electric Heat

ETL approved electric heat is factory assembled, installed and tested.

» Heating control is fully integrated into the unit's control system for quick start-up and reliable control.

» Durable low watt density, nickel chromium elements provide longer life (compared to units without)..

» Fuses are provided in each branch circuit to a maximum of 48 Amps per NEC requirements.

» Single-point power connection reduces installation cost.

» For operational safeties electric heat includes automatic reset, and high temperature limit safety protection and an airflow safety switch to prevent electric heat operation in the event of no airflow.

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 120 V GFI convenience receptacle requiring independent power supply for the receptacle is optional.

» An optional unit powered 20 amp 115 V convenience receptacle, 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 board is provided for connecting low voltage control wiring.

» For better serviceability an optional non-fused disconnect switch can be installed inside the control panel and operated by an externally mounted handle to disconnect the electrical power at the unit


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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.

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.
- Filter panels on the small chassis line offer tool-less access for easy maintenance.
- Independent compressor outside of the air bypass to eliminate component blockage and provide easy access.
- Labeled field connections, color coded and continuously marked wire to identify point-to-point component connections.
- All 7.5-12.5 ton units are designed for convertible airflow orientation to serve downflow or horizontal applications. Every unit ships prepared to convert to horizontal orientation in the field if required.
- Condenser clean out from inside-out.
- Easy access to gas valves and control panel.

Model	DBC0903V000001S	DBC0904V000001S	DBC0907V000001S	DBC1023V000001S	DBC1024V000001S
COOLING CAPACITY					
Total BTU/H	86,000	86,000	86,000	97,000	97,000
IEER / EER	12.9/11.2	12.9/11.2	12.9/11.2	12.9/11.2	12.9/11.2
EVAPORATOR MOTOR COIL					
Motor Type	Belt-Drive	Belt-Drive	Belt-Drive	Belt-Drive	Belt-Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15x12	15x12	15x12	15x12	15x12
Indoor Nominal CFM	3000	3000	3000	3400	3400
RPM	1740	1740	1745	1740	1740
Indoor Horsepower	2.00	2.00	2.00	2.00	2.00
Filter Size (in)	20 X 25 X 2 (4)	20 X 25 X 2 (4)	20 X 25 X 2 (4)	20 X 25 X 2 (4)	20 X 25 X 2 (4)
Drain Size (NPT)	¾	¾	¾	¾	¾
R-410A Refrigerant Charge (oz.)	80/78	80/78	80/78	85/87.5	85/87.5
Evaporator Coil Face Area (ft^2)	13.3	13.3	13.3	13.3	13.3
Rows Deep/ Fins per Inch	2 / 16	2 / 16	2 / 16	2 / 16	2 / 16
CONDENSER FAN/COIL					
Quantity of Condenser Fan Motors	2	2	2	2	2
RPM (High/Low stage)	1120	1050	1050	1120	1050
Outdoor Horsepower	0.33	0.33	0.33	0.33	0.33
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft^2)	22	22	22	28.2	28.2
Rows Deep / Fins per Inch	2 / 28	2 / 28	2 / 28	2 / 28	2 / 28
COMPRESSOR					
Quantity / Type / Stages	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1
Compressor RLA / LRA	13.1/83.1	6.1/41	4.4/33	14.5/98	6.3/55
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-3-60	460-3-60	575-3-60	208/230-3-60	460-3-60
Indoor Blower FLA	6	2.9	2.4	6	2.9
Max External Static (In. W.C.)	0.8	0.8	0.8	0.8	0.8
Outdoor Fan FLA	2	0.85	0.67	2	0.85
Min. Circuit Ampacity[1]	39.6/39.6	18.3	13.5	42.6/42.6	18.9
Max. Overcurrent Protection (A)[2]	50/50	20	15	50/50	25
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.375	0.375	0.375	0.375	0.375
OPERATING WEIGHT (LBS.)					
Operating Weight (lbs)	1015	1015	1015	1026	1026
SHIPPING WEIGHT (LBS.)					
Ship Weight (lbs)	1095	1095	1095	1106	1106

[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.

Model	DBC1027V000001S	DBC1203V000001S	DBC1204V000001S	DBC1207V000001S	DBC1503V000001S	DBC1504V000001S	DBC1507V000001S
COOLING CAPACITY							
Total BTU/H	97,000	114,000	114,000	114,000	140,000	140,000	140,000
IEER / EER	12.9/11.2	12.9/11.2	12.9/11.2	12.9/11.2	12.4/11	12.4/11	12.4/11
EVAPORATOR MOTOR COIL							
Motor Type	Belt-Drive	Belt-Drive	Belt-Drive	Belt-Drive	Belt-Drive	Belt-Drive	Belt-Drive
External Static Pressure (ESP)	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Wheel Dia. X Width	15x12	15x15	15x15	15x15	15x15	15x15	15x15
Indoor Nominal CFM	3400	3600	3600	3600	4400	4400	4400
RPM	1745	1740	1740	1745	1760	1760	1760
Indoor Horsepower	2.00	2.00	2.00	2.00	3.00	3.00	3.00
Filter Size (in)	20 X 25 X 2 (4)	20 X 20 X 2 (4)	20 X 20 X 2 (4)	20 X 20 X 2 (4)	20 X 25 X 2 (4)	20 X 25 X 2 (4)	20 X 25 X 2 (4)
Drain Size (NPT)	¾	¾	¾	¾	¾	¾	¾
R-410A Refrigerant Charge (oz.)	85/87.5	103.5/103	103.5/103	103.5/103	230/246	230/246	230/246
Evaporator Coil Face Area (ft^2)	13.3	11	11	11	14.7	14.7	14.7
Rows Deep/ Fins per Inch	2 / 16	4 / 16	4 / 16	4 / 16	4 / 16	4 / 16	4 / 16
CONDENSER FAN/COIL							
Quantity of Condenser Fan Motors	2	2	2	2	2	2	2
RPM (High/Low stage)	1050	1120	1050	1050	1130	1115	1075
Outdoor Horsepower	0.33	0.33	0.33	0.33	0.5	0.5	0.5
Fan Diameter / # Fan Blades	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3	22 / 3
Face Area (ft^2)	28.2	31.3	31.3	31.3	40.1	40.1	40.1
Rows Deep / Fins per Inch	2 / 28	2 / 28	2 / 28	2 / 28	3/ 20	3/ 20	3/ 20
COMPRESSOR							
Quantity / Type / Stages	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1	2/ Scroll / 1
Compressor RLA / LRA	6/41	16/110	7.8/52	5.7/38.9	19/123	9.7/62	7.4/50
ELECTRICAL DATA							
Voltage-Phase-Frequency	575-3-60	208/230-3-60	460-3-60	575-3-60	208/230-3-60	460-3-60	575-3-60
Indoor Blower FLA	2.4	6	2.9	2.4	9.1	4.3	3.5
Max External Static (In. W.C.)	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Outdoor Fan FLA	0.67	2	0.85	0.67	2.7	1.4	1
Min. Circuit Ampacity[1]	17.3	45.9/45.9	22.1	16.6	57.3/57.3	29	22.2
Max. Overcurrent Protection (A)[2]	20	60/60	25	20	70/70	35	25
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375	1.375	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.375	0.375	0.375	0.375	0.375	0.375	0.375
OPERATING WEIGHT (LBS.)							
Operating Weight (lbs)	1026	1070	1070	1070	1208	1208	1208
SHIPPING WEIGHT (LBS.)							
Ship Weight (lbs)	1106	1150	1150	1150	1288	1288	1288

[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

AC				
Nominal Tonnage	Cooling Capacity (BTU/hr)	EER	IEER	Charge Stg1/Stg2
7.5	86,000	11.2	12.9	80/78
8.5	97,000	11.2	12.9	85/87.5
10	114,000	11.2	12.9	103.5/103
12.5	140,000	11	12.4	230/246

Sound Data

Model	Outdoor Sound (dB) at 60 Hz								
	A-Weighted	63	125	250	500	1000	2000	4000	8000
90	83	91.5	84.1	82.0	79.7	77.6	75.2	71.7	69.0
102	80	89.1	81.1	78.7	77.1	76.1	70.8	66.5	64.1
120	82	91.9	82.8	81.9	79.1	76.9	72.9	68.3	66.0
150	83	92.3	87.8	83.0	80.4	78.2	73.8	70.1	62.6

Notes:
[1] Outdoor sound data is measured in accordance with AHRI standard 270.
[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 270.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	2625	MBh	87.5	88.7	91.3	-	86.7	87.9	90.6	-	84.4	85.7	88.3	-	80.5	81.7	84.3	-	75.7	76.9	79.5	-	71.3	72.5	75.2	-
		S/T	0.70	0.58	0.41	-	0.71	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.77	0.66	0.45	-	0.81	0.66	0.46	-
		ΔT	18.63	16.91	13.69	-	18.59	16.86	13.65	-	18.83	17.11	13.89	-	18.57	16.85	13.63	-	18.34	16.62	13.40	-	19.42	17.69	14.48	-
		Hi PR	253	254	256	-	293	294	296	-	335	336	338	-	380	381	383	-	429	430	431	-	480	482	483	-
		Lo PR	116	117	120	-	123	124	127	-	129	131	134	-	134	136	139	-	139	141	144	-	146	147	150	-
	3000	MBh	88.6	89.9	92.5	-	87.9	89.1	91.7	-	85.6	86.8	89.4	-	81.6	82.9	85.5	-	76.8	78.1	80.7	-	72.5	73.7	76.3	-
		S/T	0.72	0.60	0.42	-	0.73	0.61	0.43	-	0.76	0.63	0.45	-	0.78	0.65	0.46	-	0.80	0.67	0.47	-	0.82	0.69	0.48	-
		ΔT	17.59	15.87	12.65	-	17.55	15.82	12.60	-	17.79	16.06	12.85	-	17.53	15.80	12.59	-	17.30	15.57	12.36	-	18.38	16.65	13.44	-
		Hi PR	255	256	258	-	295	296	298	-	337	338	340	-	382	383	385	-	431	432	434	-	483	484	485	-
		Lo PR	118	119	122	-	125	126	129	-	131	132	135	-	136	138	140	-	141	143	146	-	148	149	152	-
	3375	MBh	90.0	91.3	93.9	-	89.2	90.5	93.1	-	87.0	88.2	90.8	-	83.0	84.3	86.9	-	78.2	79.5	82.1	-	73.8	75.1	77.7	-
		S/T	0.73	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.46	-	0.80	0.67	0.47	-	0.82	0.69	0.49	-	0.86	0.72	0.50	-
		ΔT	16.72	14.99	11.78	-	16.67	14.95	11.73	-	16.91	15.19	11.97	-	16.65	14.93	11.71	-	16.42	14.70	11.48	-	17.50	15.78	12.56	-
		Hi PR	257	258	260	-	297	298	300	-	339	340	342	-	384	385	387	-	433	434	436	-	485	486	488	-
		Lo PR	120	121	124	-	127	128	131	-	133	134	137	-	138	139	142	-	143	145	147	-	150	151	154	-
75	2625	MBh	87.5	88.8	91.4	95.4	86.8	88.0	90.6	94.6	84.5	85.7	88.3	92.3	80.5	81.8	84.4	88.4	75.7	77.0	79.6	83.6	71.4	72.6	0.6	79.2
		S/T	0.80	0.69	0.53	0.36	0.83	0.74	0.53	0.41	0.83	0.74	0.54	0.38	0.85	0.75	0.56	0.42	0.88	0.80	0.58	0.45	0.89	0.81	0.61	0.46
		ΔT	22.42	20.70	17.48	14.1	22.38	20.65	17.43	14.1	22.62	20.89	17.68	14.3	22.36	20.63	17.42	14.1	22.13	20.40	17.19	13.9	23.21	21.48	18.27	14.9
		Hi PR	253	254	256	260.7	293	294	296	300.6	335	336	338	342.4	380	381	383	387.5	429	430	432	436.1	481	482	484	487.9
		Lo PR	116	117	120	125.3	123	124	127	132.3	129	131	134	138.5	134	136	139	143.7	140	141	144	148.8	146	147	150	155.3
	3000	MBh	88.7	89.9	92.5	96.5	87.9	89.1	91.8	95.8	85.6	86.9	89.5	93.5	81.7	82.9	85.5	89.5	76.9	78.1	80.7	84.7	72.5	73.7	76.4	80.3
		S/T	0.82	0.72	0.56	0.41	0.84	0.75	0.56	0.42	0.85	0.76	0.57	0.43	0.87	0.78	0.59	0.46	0.91	0.82	0.61	0.47	0.92	0.83	0.62	0.47
		ΔT	21.38	19.66	16.44	13.1	21.33	19.61	16.39	13.1	21.58	19.85	16.64	13.3	21.32	19.59	16.38	13.0	21.09	19.36	16.15	12.8	22.17	20.44	17.22	13.9
		Hi PR	256	257	258	262.8	295	297	298	302.7	337	338	340	344.6	382	383	385	389.7	431	432	434	438.2	483	484	486	490.1
		Lo PR	118	119	122	127.0	125	126	129	134.0	131	132	135	140.2	136	138	140	145.4	141	143	146	150.5	148	149	152	157.0
	3375	MBh	90.1	91.3	93.9	97.9	89.3	90.5	93.1	97.1	87.0	0.8	90.9	94.8	83.1	84.3	86.9	90.9	78.3	79.5	82.1	86.1	73.9	75.1	77.7	81.7
		S/T	0.84	0.74	0.58	0.44	0.84	0.77	0.58	0.45	0.87	0.73	0.61	0.47	0.89	0.80	0.62	0.49	0.93	0.85	0.63	0.51	0.95	0.85	0.65	0.49
		ΔT	20.50	18.78	15.56	12.2	20.46	18.73	15.52	12.2	20.70	18.98	15.76	12.4	20.44	18.72	15.50	12.2	20.21	18.49	15.27	11.9	21.29	19.57	16.35	13.0
		Hi PR	258	259	260	264.9	298	299	300	304.8	339	340	342	346.7	384	386	387	391.7	433	434	436	440.3	485	486	488	492.2
		Lo PR	120	121	124	128.9	127	128	131	135.9	133	134	137	142.1	138	139	142	147.3	143	145	147	152.4	150	151	154	158.8

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	2625	MBh	88.0	89.2	91.8	95.8	87.2	88.5	91.1	95.1	84.9	86.2	88.8	92.8	81.0	82.2	84.9	88.8	76.2	77.4	80.0	84.0	71.8	73.0	75.7	79.7
		S/T	0.89	0.83	0.64	0.47	0.89	0.84	0.68	0.50	0.92	0.86	0.70	0.54	0.94	0.89	0.71	0.52	0.98	0.92	0.75	0.57	0.98	0.92	0.76	0.59
		ΔT	26.24	24.51	21.30	18.0	26.19	24.47	21.25	17.9	26.43	24.71	21.49	18.2	26.17	24.45	21.23	17.9	25.94	24.22	21.00	17.7	27.02	25.30	22.08	18.7
		Hi PR	254	255	257	261.1	294	295	297	301.1	336	337	338	342.9	381	382	384	388.0	429	430	432	436.6	481	482	484	488.4
		Lo PR	116	118	121	125.8	124	125	128	132.8	130	131	134	139.0	135	136	139	144.2	140	141	144	149.4	146	148	151	155.8
	3000	MBh	89.1	90.4	93.0	97.0	88.4	89.6	92.2	96.2	86.1	87.3	89.9	93.9	82.1	83.4	**86.0**	90.0	77.3	78.6	81.2	85.2	73.0	74.2	76.8	80.8
		S/T	0.87	0.81	0.66	0.50	0.91	0.84	0.70	0.53	0.93	0.86	0.71	0.56	0.96	0.90	**0.72**	0.57	1.00	0.93	0.76	0.58	1.00	0.94	0.78	0.59
		ΔT	25.20	23.47	20.26	16.9	25.15	23.43	20.21	16.9	25.39	23.67	20.45	17.1	25.13	23.41	**20.19**	16.9	24.90	23.18	19.96	16.6	25.98	24.26	21.04	17.7
		Hi PR	256	257	259	263.3	296	297	299	303.2	338	339	341	345.1	383	384	**386**	390.1	431	433	434	438.7	483	484	486	490.6
		Lo PR	118	120	123	127.5	125	127	130	134.5	131	133	136	140.7	137	138	**141**	145.9	142	143	146	151.1	148	150	153	157.5
	3375	MBh	90.5	91.8	94.4	98.4	89.7	91.0	93.6	97.6	87.5	88.7	91.3	95.3	83.5	84.8	87.4	91.4	78.7	80.0	82.6	86.6	74.3	75.6	78.2	82.2
		S/T	0.92	0.86	0.69	0.53	0.95	0.89	0.72	0.52	0.99	0.89	0.75	0.59	1.00	0.94	0.77	0.61	1.00	0.98	0.80	0.63	1.00	1.00	0.81	0.68
		ΔT	24.32	22.60	19.38	16.0	24.27	22.55	19.33	16.0	24.51	22.79	19.57	16.2	24.25	22.53	19.31	16.0	24.02	22.30	19.08	15.8	25.10	23.38	20.16	16.8
		Hi PR	258	259	261	265.4	298	299	301	305.3	340	341	343	347.1	385	386	388	392.2	434	435	436	440.8	485	486	488	492.6
		Lo PR	120	121	124	129.4	127	129	131	136.4	133	135	138	142.6	138	140	143	147.8	144	145	148	152.9	150	151	154	159.4
85	2625	MBh	89.5	90.7	93.3	97.3	88.7	89.9	92.5	96.5	86.4	87.6	90.3	94.2	82.5	83.7	86.3	90.3	77.7	78.9	81.5	85.5	73.3	74.5	77.1	81.1
		S/T	0.91	0.88	0.80	0.64	0.95	0.90	0.81	0.70	0.96	0.92	0.84	0.71	1.00	0.96	0.86	0.71	1.00	1.00	0.91	0.72	1.00	1.00	0.91	0.74
		ΔT	29.62	27.90	24.68	21.3	29.57	27.85	24.63	21.3	29.82	28.09	24.87	21.5	29.56	27.83	24.61	21.3	29.33	27.60	24.38	21.1	30.40	28.68	25.46	22.1
		Hi PR	255	256	258	262.3	295	296	298	302.3	337	338	340	344.1	382	383	385	389.2	430	432	433	437.7	482	483	485	489.6
		Lo PR	118	120	123	127.5	125	127	130	134.6	131	133	136	140.7	137	138	141	146.0	142	143	146	151.1	148	150	153	157.5
	3000	MBh	90.6	91.9	94.5	98.5	89.8	91.1	93.7	97.7	87.6	88.8	91.4	95.4	83.6	84.9	87.5	91.5	78.8	80.1	82.7	86.7	74.4	75.7	78.3	82.3
		S/T	0.94	0.88	0.81	0.68	0.96	0.92	0.83	0.71	0.97	0.94	0.85	0.72	1.00	0.97	0.88	0.73	1.00	1.00	0.92	0.74	1.00	1.00	0.92	0.77
		ΔT	28.58	26.86	23.64	20.3	28.53	26.81	23.59	20.3	28.77	27.05	23.83	20.5	28.51	26.79	23.57	20.2	28.28	26.56	23.34	20.0	29.36	27.64	24.42	21.1
		Hi PR	257	258	260	264.5	297	298	300	304.4	339	340	342	346.3	384	385	387	391.3	433	434	435	439.9	484	486	487	491.7
		Lo PR	120	121	124	129.2	127	128	131	136.3	133	135	138	142.4	138	140	143	147.7	143	145	148	152.8	150	151	154	159.2
	3375	MBh	92.0	93.2	95.9	99.8	91.2	92.5	95.1	99.1	88.9	90.2	92.8	96.8	85.0	86.2	88.9	92.8	80.2	81.4	84.1	88.0	75.8	77.1	79.7	83.7
		S/T	0.96	0.92	0.83	0.70	1.00	0.96	0.87	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.92	0.78	1.00	1.00	0.97	0.80	1.00	1.00	0.98	0.82
		ΔT	27.70	25.98	22.76	19.4	27.66	25.93	22.71	19.4	27.90	26.17	22.96	19.6	27.64	25.91	22.70	19.4	27.41	25.68	22.47	19.1	28.49	26.76	23.55	20.2
		Hi PR	259	260	262	266.5	299	300	302	306.5	341	342	344	348.3	386	387	389	393.4	435	436	438	442.0	487	488	489	493.8
		Lo PR	122	123	126	131.1	129	130	133	138.2	135	136	139	144.3	140	142	145	149.6	145	147	150	154.7	152	153	156	161.1

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	2975	MBh	98.7	100.1	103.0	-	97.8	99.2	102.1	-	95.2	96.6	99.6	-	90.8	92.2	95.1	-	85.4	86.8	89.7	-	80.4	81.8	84.8	-
		S/T	0.70	0.58	0.41	-	0.72	0.61	0.41	-	0.74	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.80	0.67	0.46	-
		ΔT	18.08	16.41	13.28	-	18.03	16.36	13.24	-	18.27	16.59	13.47	-	18.01	16.34	13.22	-	17.79	16.12	13.00	-	18.84	17.17	14.04	-
		Hi PR	255	256	258	-	295	296	298	-	337	339	340	-	383	384	386	-	432	433	435	-	484	485	487	-
		Lo PR	113	114	117	-	120	121	124	-	126	127	130	-	131	132	135	-	136	137	140	-	142	144	147	-
	3400	MBh	100.0	101.4	104.3	-	99.1	100.5	103.4	-	96.5	97.9	100.9	-	92.1	93.5	96.4	-	86.7	88.1	91.0	-	81.7	83.1	86.1	-
		S/T	0.72	0.61	0.42	-	0.74	0.62	0.45	-	0.77	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.68	0.49	-	0.82	0.69	0.48	-
		ΔT	17.07	15.40	12.27	-	17.02	15.35	12.23	-	17.26	15.58	12.46	-	17.00	15.33	12.21	-	16.78	15.11	11.99	-	17.83	16.16	13.03	-
		Hi PR	257	258	260	-	297	299	300	-	340	341	343	-	385	386	388	-	434	435	437	-	486	487	489	-
		Lo PR	115	116	119	-	122	123	126	-	128	129	132	-	133	134	137	-	138	139	142	-	144	145	148	-
	3825	MBh	101.5	102.9	105.9	-	100.7	102.1	105.0	-	98.1	99.5	102.4	-	93.6	95.0	98.0	-	88.2	89.6	92.6	-	83.3	84.7	87.6	-
		S/T	0.74	0.63	0.44	-	0.76	0.64	0.47	-	0.79	0.67	0.47	-	0.82	0.69	0.49	-	0.85	0.70	0.51	-	0.85	0.72	0.52	-
		ΔT	16.22	14.55	11.42	-	16.17	14.50	11.38	-	16.41	14.73	11.61	-	16.15	14.48	11.36	-	15.93	14.26	11.14	-	16.98	15.31	12.18	-
		Hi PR	259	260	262	-	300	301	302	-	342	343	345	-	387	388	390	-	436	437	439	-	488	489	491	-
		Lo PR	117	118	121	-	123	125	128	-	129	131	134	-	135	136	139	-	140	141	144	-	146	147	150	-
75	2975	MBh	98.7	100.1	103.1	107.6	97.9	99.3	102.2	106.7	95.3	96.7	99.6	104.1	90.9	92.2	95.2	99.7	85.4	86.8	89.8	94.3	80.5	81.9	84.8	89.3
		S/T	0.78	0.68	0.52	0.35	0.83	0.74	0.55	0.37	0.84	0.71	0.56	0.38	0.86	0.73	0.57	0.42	0.89	0.75	0.59	0.44	0.91	0.77	0.63	0.46
		ΔT	21.75	20.08	16.96	13.7	21.71	20.04	16.91	13.7	21.94	20.27	17.15	13.9	21.69	20.02	16.90	13.7	21.47	19.79	16.67	13.4	22.51	20.84	17.72	14.5
		Hi PR	255	256	258	262.6	296	297	298	302.9	338	339	341	345.0	383	384	386	390.4	432	433	435	439.4	484	485	487	491.6
		Lo PR	113	115	117	122.2	120	121	124	129.1	126	127	130	135.1	131	132	135	140.2	136	137	140	145.2	142	144	147	151.5
	3400	MBh	100.0	101.4	104.4	108.9	99.2	100.6	103.5	108.0	96.6	98.0	100.9	105.4	92.1	**93.5**	96.5	101.0	86.7	88.1	91.1	95.6	81.8	83.2	86.1	90.6
		S/T	0.82	0.71	0.56	0.37	0.85	0.72	0.58	0.39	0.86	0.73	0.59	0.40	0.88	**0.74**	0.60	0.44	0.91	0.77	0.61	0.45	0.94	0.81	0.64	0.47
		ΔT	20.74	19.07	15.95	12.7	20.70	19.03	15.90	12.7	20.93	19.26	16.14	12.9	20.68	**19.01**	15.89	12.7	20.46	18.78	15.66	12.4	21.50	19.83	16.71	13.5
		Hi PR	257	259	260	264.8	298	299	301	305.0	340	341	343	347.2	385	**386**	388	392.6	434	435	437	441.6	486	488	489	493.8
		Lo PR	115	116	119	123.9	122	123	126	130.7	128	129	132	136.8	133	**134**	137	141.9	138	139	142	146.9	144	145	148	153.1
	3825	MBh	101.6	103.0	105.9	110.4	100.7	102.1	105.1	109.6	98.1	99.5	102.5	107.0	93.7	95.1	98.0	102.5	88.3	89.7	92.6	97.1	83.3	84.7	87.7	92.2
		S/T	0.84	0.73	0.58	0.40	0.87	0.74	0.61	0.42	0.88	0.75	0.61	0.44	0.90	0.76	0.62	0.46	0.93	0.80	0.64	0.47	0.96	0.83	0.66	0.48
		ΔT	19.89	18.22	15.10	11.9	19.85	18.18	15.05	11.8	20.08	18.41	15.29	12.1	19.83	18.16	15.04	11.8	19.61	17.93	14.81	11.6	20.65	18.98	15.86	12.6
		Hi PR	260	261	262	266.9	300	301	303	307.1	342	343	345	349.3	387	388	390	394.7	436	437	439	443.7	489	490	491	495.9
		Lo PR	117	118	121	125.7	123	125	128	132.6	130	131	134	138.6	135	136	139	143.7	140	141	144	148.7	146	147	150	155.0

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	2975	MBh	99.3	100.6	103.6	108.1	98.4	99.8	102.7	107.2	95.8	97.2	100.1	104.6	91.4	92.8	95.7	100.2	85.9	87.3	90.3	94.8	81.0	82.4	85.3	89.8
		S/T	0.86	0.81	0.67	0.50	0.90	0.85	0.68	0.53	0.92	0.86	0.70	0.53	0.95	0.89	0.72	0.55	1.00	0.92	0.75	0.56	1.00	0.94	0.76	0.57
		ΔT	25.45	23.78	20.66	17.4	25.41	23.74	20.61	17.4	25.64	23.97	20.85	17.6	25.39	23.72	20.60	17.4	25.17	23.50	20.37	17.1	26.21	24.54	21.42	18.2
		Hi PR	256	257	259	263.1	296	297	299	303.3	338	339	341	345.5	384	385	386	390.9	433	434	435	439.9	485	486	488	492.1
		Lo PR	114	115	118	122.7	120	122	125	129.6	127	128	131	135.6	132	133	136	140.7	137	138	141	145.7	143	144	147	152.0
	3400	MBh	100.6	101.9	104.9	109.4	99.7	101.1	104.0	108.5	97.1	98.5	101.4	105.9	92.7	94.1	**97.0**	101.5	87.2	88.6	91.6	96.1	82.3	83.7	86.6	91.1
		S/T	0.90	0.82	0.69	0.55	0.93	0.86	0.72	0.54	0.95	0.89	0.73	0.55	0.98	0.91	**0.74**	0.56	1.00	0.95	0.78	0.58	1.00	0.97	0.78	0.60
		ΔT	24.44	22.77	19.65	16.4	24.40	22.73	19.60	16.4	24.63	22.96	19.84	16.6	24.38	22.71	**19.59**	16.4	24.16	22.49	19.36	16.1	25.20	23.53	20.41	17.2
		Hi PR	258	259	261	265.3	298	299	301	305.5	340	341	343	347.7	386	387	**389**	393.1	435	436	438	442.0	487	488	490	494.3
		Lo PR	115	117	120	124.4	122	124	126	131.2	128	130	132	137.3	133	135	**138**	142.4	138	140	143	147.4	145	146	149	153.6
	3825	MBh	102.1	103.5	106.5	111.0	101.2	102.6	105.6	110.1	98.6	100.0	103.0	107.5	94.2	95.6	98.6	103.1	88.8	90.2	93.1	97.6	83.8	85.2	88.2	92.7
		S/T	0.93	0.84	0.72	0.58	0.95	0.88	0.75	0.57	0.97	0.91	0.75	0.57	1.00	0.93	0.77	0.58	1.00	0.97	0.80	0.60	1.00	1.00	0.81	0.62
		ΔT	23.59	21.92	18.80	15.6	23.55	21.88	18.75	15.5	23.78	22.11	18.99	15.8	23.53	21.86	18.74	15.5	23.31	21.64	18.51	15.3	24.35	22.68	19.56	16.3
		Hi PR	260	261	263	267.4	300	301	303	307.6	342	344	345	349.8	388	389	391	395.2	437	438	440	444.1	489	490	492	496.4
		Lo PR	117	119	121	126.2	124	125	128	133.1	130	131	134	139.1	135	137	139	144.2	140	142	144	149.2	146	148	151	155.5
85	2975	MBh	100.9	102.3	105.3	109.8	100.0	101.4	104.4	108.9	97.5	98.9	101.8	106.3	93.0	94.4	97.4	101.9	87.6	89.0	91.9	96.5	82.7	84.1	87.0	91.5
		S/T	0.91	0.87	0.80	0.64	0.95	0.91	0.82	0.66	0.96	0.93	0.85	0.66	0.96	0.93	0.85	0.68	0.98	0.96	0.90	0.73	1.00	0.98	0.89	0.71
		ΔT	28.74	27.06	23.94	20.7	28.69	27.02	23.90	20.7	28.93	27.25	24.13	20.9	28.67	27.00	23.88	20.6	28.45	26.78	23.66	20.4	29.50	27.82	24.70	21.5
		Hi PR	257	258	260	264.3	297	298	300	304.5	339	340	342	346.7	385	386	388	392.1	434	435	437	441.1	486	487	489	493.3
		Lo PR	115	117	120	124.4	122	124	126	131.3	128	130	132	137.3	133	135	138	142.4	138	140	143	147.4	145	146	149	153.6
	3400	MBh	102.2	103.6	106.6	111.1	101.3	102.7	105.7	110.2	98.8	100.1	103.1	107.6	94.3	95.7	98.7	103.2	88.9	90.3	93.2	97.7	84.0	85.3	88.3	92.8
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.68	0.99	0.97	0.86	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.96	0.77
		ΔT	27.73	26.05	22.93	19.7	27.68	26.01	22.89	19.7	27.92	26.24	23.12	19.9	27.66	25.99	22.87	19.6	27.44	25.77	22.65	19.4	28.49	26.81	23.69	20.5
		Hi PR	259	260	262	266.5	299	300	302	306.7	342	343	344	348.9	387	388	390	394.3	436	437	439	443.2	488	489	491	495.5
		Lo PR	117	118	121	126.1	124	125	128	132.9	130	131	134	139.0	135	136	139	144.1	140	141	144	149.1	146	148	150	155.3
	3825	MBh	103.8	105.2	108.1	112.6	102.9	104.3	107.2	111.7	100.3	101.7	104.7	109.2	95.9	97.3	100.2	104.7	90.5	91.9	94.8	99.3	85.5	86.9	89.9	94.4
		S/T	0.93	0.92	0.84	0.66	0.99	0.96	0.87	0.70	1.00	0.99	0.88	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.77	1.00	1.00	0.98	0.73
		ΔT	26.88	25.20	22.08	18.8	26.83	25.16	22.04	18.8	27.06	25.39	22.27	19.0	26.81	25.14	22.02	18.8	26.59	24.92	21.80	18.6	27.64	25.96	22.84	19.6
		Hi PR	261	262	264	268.6	301	303	304	308.8	344	345	347	351.0	389	390	392	396.4	438	439	441	445.3	490	491	493	497.6
		Lo PR	119	120	123	127.9	126	127	130	134.8	132	133	136	140.8	137	138	141	145.9	142	143	146	150.9	148	149	152	157.2

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	3150	MBh	116.0	117.6	121.1	-	114.9	116.6	120.0	-	111.9	113.6	117.0	-	106.7	108.3	111.8	-	100.3	102.0	105.4	-	94.5	96.2	99.6	-
		S/T	0.69	0.57	0.40	-	0.72	0.55	0.40	-	0.75	0.59	0.41	-	0.78	0.61	0.43	-	0.78	0.63	0.45	-	0.79	0.66	0.50	-
		ΔT	19.28	17.50	14.17	-	19.23	17.45	14.12	-	19.48	17.70	14.37	-	19.22	17.43	14.10	-	18.98	17.19	13.86	-	20.09	18.31	14.98	-
		Hi PR	250	252	253	-	290	291	293	-	331	332	334	-	376	377	379	-	424	425	427	-	475	476	478	-
		Lo PR	119	121	124	-	127	128	131	-	133	134	137	-	138	140	143	-	144	145	148	-	150	152	155	-
	3600	MBh	117.5	119.1	122.6	-	116.5	118.1	121.6	-	113.4	115.1	118.5	-	108.2	109.9	113.3	-	101.9	103.5	107.0	-	96.0	97.7	101.1	-
		S/T	0.71	0.58	0.44	-	0.73	0.57	0.44	-	0.74	0.60	0.47	-	0.77	0.62	0.49	-	0.81	0.64	0.51	-	0.82	0.69	0.56	-
		ΔT	18.20	16.42	13.09	-	18.16	16.37	13.04	-	18.41	16.62	13.29	-	18.14	16.35	13.03	-	17.90	16.12	12.79	-	19.02	17.23	13.90	-
		Hi PR	253	254	255	-	292	293	295	-	333	335	336	-	378	379	381	-	426	427	429	-	477	478	480	-
		Lo PR	121	123	126	-	128	130	133	-	135	136	139	-	140	142	145	-	145	147	150	-	152	153	156	-
	4050	MBh	119.3	121.0	124.4	-	118.3	119.9	123.4	-	115.3	116.9	120.4	-	110.1	111.7	115.2	-	103.7	105.3	108.8	-	97.9	99.5	103.0	-
		S/T	0.73	0.60	0.46	-	0.74	0.61	0.48	-	0.76	0.63	0.50	-	0.77	0.65	0.52	-	0.78	0.67	0.54	-	0.83	0.72	0.59	-
		ΔT	17.30	15.51	12.19	-	17.25	15.47	12.14	-	17.50	15.72	12.39	-	17.23	15.45	12.12	-	16.99	15.21	11.88	-	18.11	16.33	13.00	-
		Hi PR	255	256	257	-	294	295	297	-	336	337	338	-	380	381	383	-	428	429	431	-	479	481	482	-
		Lo PR	123	125	128	-	130	132	135	-	137	138	141	-	142	144	147	-	147	149	152	-	154	155	158	-
75	3150	MBh	116.0	117.7	121.2	126.4	115.0	116.6	120.1	125.4	112.0	113.6	117.1	122.4	106.8	108.4	111.9	117.2	100.4	102.0	105.5	110.8	94.6	96.2	99.7	105.0
		S/T	0.79	0.70	0.50	0.30	0.81	0.72	0.50	0.37	0.81	0.77	0.55	0.40	0.84	0.76	0.55	0.41	0.88	0.77	0.65	0.44	0.89	0.79	0.62	0.49
		ΔT	23.20	21.42	18.09	14.6	23.15	21.37	18.04	14.6	23.40	21.62	18.29	14.8	23.14	21.35	18.02	14.6	22.90	21.11	17.79	14.3	24.01	22.23	18.90	15.5
		Hi PR	251	252	253	257.9	290	291	293	297.4	332	333	334	338.8	376	377	379	383.4	424	425	427	431.4	476	477	478	482.7
		Lo PR	119	121	124	129.0	127	128	131	136.2	133	134	137	142.6	138	140	143	148.0	144	145	148	153.2	150	152	155	159.8
	3600	MBh	117.6	119.2	122.7	128.0	116.5	118.2	121.6	126.9	113.5	115.1	118.6	123.9	108.3	**109.9**	113.4	118.7	101.9	103.6	107.0	112.3	96.1	97.8	101.2	106.5
		S/T	0.81	0.72	0.56	0.42	0.83	0.75	0.57	0.4	0.83	0.79	0.59	0.45	0.86	**0.77**	0.61	0.5	0.91	0.82	0.69	0.49	0.93	0.84	0.67	0.54
		ΔT	22.13	20.34	17.01	13.6	22.08	20.29	16.96	13.5	22.33	20.54	17.21	13.8	22.06	**20.28**	16.95	13.5	21.82	20.04	16.71	13.3	22.94	21.15	17.82	14.4
		Hi PR	253	254	256	260.0	292	293	295	299.5	334	335	337	340.9	378	**379**	381	385.5	426	427	429	433.5	478	479	480	484.8
		Lo PR	121	123	126	130.7	128	130	133	138.0	135	136	139	144.3	140	**142**	145	149.7	145	147	150	155.0	152	153	157	161.6
	4050	MBh	119.4	121.0	124.5	129.8	118.4	120.0	123.5	128.8	115.3	117.0	120.4	125.7	110.1	111.8	115.2	120.5	103.8	105.4	108.9	114.2	97.9	99.6	103.0	108.3
		S/T	0.83	0.75	0.59	0.40	0.85	0.77	0.61	0.46	0.88	0.86	0.62	0.49	0.91	0.83	0.64	0.50	0.96	0.84	0.70	0.53	0.97	0.86	0.68	0.58
		ΔT	21.22	19.44	16.11	12.7	21.17	19.39	16.06	12.6	21.42	19.64	16.31	12.9	21.15	19.37	16.04	12.6	20.91	19.13	15.80	12.4	22.03	20.25	16.92	13.5
		Hi PR	255	256	258	262.1	294	295	297	301.6	336	337	339	343.0	380	381	383	387.5	428	429	431	435.6	480	481	483	486.9
		Lo PR	123	125	128	132.7	130	132	135	139.9	137	138	141	146.3	142	144	147	151.7	147	149	152	156.9	154	155	158	163.5

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	3150	MBh	116.7	118.3	121.8	127.0	115.6	117.3	120.7	126.0	112.6	114.2	117.7	123.0	107.4	109.0	112.5	117.8	101.0	102.6	106.1	111.4	95.2	96.8	100.3	105.6
		S/T	0.87	0.79	0.62	0.49	0.90	0.83	0.63	0.49	0.92	0.85	0.65	0.52	0.94	0.87	0.67	0.54	0.97	0.91	0.75	0.56	1.00	0.96	0.74	0.61
		ΔT	27.15	25.37	22.04	18.6	27.10	25.32	21.99	18.5	27.35	25.57	22.24	18.8	27.08	25.30	21.97	18.5	26.85	25.06	21.73	18.3	27.96	26.18	22.85	19.4
		Hi PR	251	252	254	258.3	291	292	293	297.8	332	333	335	339.2	377	378	379	383.8	425	426	428	431.9	476	477	479	483.2
		Lo PR	120	121	124	129.5	127	129	132	136.7	134	135	138	143.1	139	140	143	148.5	144	146	149	153.8	151	152	155	160.4
	3600	MBh	118.2	119.8	123.3	128.6	117.1	118.8	122.2	127.5	114.1	115.7	119.2	124.5	108.9	110.5	**114.0**	119.3	102.5	104.2	107.6	112.9	96.7	98.4	101.8	107.1
		S/T	0.89	0.81	0.68	0.54	0.92	0.85	0.69	0.6	0.94	0.87	0.72	0.57	0.96	0.91	**0.73**	0.59	0.99	0.94	0.77	0.61	1.00	0.95	0.80	0.66
		ΔT	26.07	24.29	20.96	17.5	26.02	24.24	20.91	17.5	26.28	24.49	21.16	17.7	26.01	24.22	**20.89**	17.4	25.77	23.98	20.66	17.2	26.88	25.10	21.77	18.3
		Hi PR	253	254	256	260.5	293	294	296	300.0	334	335	337	341.4	379	380	**382**	385.9	427	428	430	434.0	478	479	481	485.3
		Lo PR	122	123	126	131.2	129	130	133	138.5	135	137	140	144.9	141	142	**145**	150.2	146	147	150	155.5	153	154	157	162.1
	4050	MBh	120.0	121.6	125.1	130.4	119.0	120.6	124.1	129.4	115.9	117.6	121.0	126.3	110.7	112.4	115.8	121.1	104.4	106.0	109.5	114.8	98.5	100.2	103.6	108.9
		S/T	0.92	0.84	0.71	0.58	0.94	0.87	0.72	0.58	0.96	0.87	0.74	0.61	0.98	0.89	0.76	0.6	1.00	0.96	0.79	0.65	1.00	1.00	0.83	0.70
		ΔT	25.17	23.38	20.05	16.6	25.12	23.33	20.00	16.6	25.37	23.58	20.26	16.8	25.10	23.32	19.99	16.5	24.86	23.08	19.75	16.3	25.98	24.19	20.86	17.4
		Hi PR	255	256	258	262.5	295	296	298	302.0	336	337	339	343.4	381	382	384	388.0	429	430	432	436.1	480	481	483	487.4
		Lo PR	124	125	128	133.2	131	132	135	140.4	137	139	142	146.8	143	144	147	152.2	148	149	152	157.5	154	156	159	164.1
85	3150	MBh	118.6	120.2	123.7	129.0	117.6	119.2	122.7	128.0	114.5	116.2	119.6	124.9	109.3	111.0	114.4	119.7	103.0	104.6	108.1	113.4	97.1	98.8	102.2	107.5
		S/T	0.90	0.86	0.76	0.62	0.93	0.88	0.78	0.6	0.95	0.93	0.85	0.67	1.00	0.95	0.85	0.68	1.00	0.98	0.87	0.72	1.00	0.99	0.89	0.7
		ΔT	30.65	28.87	25.54	22.1	30.60	28.82	25.49	22.0	30.85	29.07	25.74	22.3	30.58	28.80	25.47	22.0	30.35	28.56	25.23	21.8	31.46	29.68	26.35	22.9
		Hi PR	252	253	255	259.5	292	293	295	299.0	333	334	336	340.4	378	379	381	385.0	426	427	429	433.1	477	478	480	484.4
		Lo PR	122	123	126	131.3	129	130	133	138.5	135	137	140	144.9	141	142	145	150.3	146	147	150	155.5	153	154	157	162.2
	3600	MBh	120.1	121.8	125.2	130.5	119.1	120.7	124.2	129.5	116.1	117.7	121.2	126.5	110.9	112.5	116.0	121.2	104.5	106.1	109.6	114.9	98.7	100.3	103.8	109.1
		S/T	0.92	0.89	0.80	0.66	0.95	0.92	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.76
		ΔT	29.57	27.79	24.46	21.0	29.53	27.74	24.41	21.0	29.78	27.99	24.66	21.2	29.51	27.72	24.39	20.9	29.27	27.49	24.16	20.7	30.39	28.60	25.27	21.8
		Hi PR	254	256	257	261.6	294	295	297	301.1	335	336	338	342.5	380	381	383	387.1	428	429	431	435.2	479	480	482	486.5
		Lo PR	123	125	128	133.0	131	132	135	140.3	137	139	142	146.7	142	144	147	152.0	148	149	152	157.3	154	156	159	163.9
	4050	MBh	122.0	123.6	127.1	132.4	120.9	122.6	126.0	131.3	117.9	119.5	123.0	128.3	112.7	114.3	117.8	123.1	106.3	108.0	111.4	116.7	100.5	102.1	105.6	110.9
		S/T	0.96	0.91	0.83	0.68	0.97	0.94	0.84	0.70	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.74	1.00	1.00	0.92	0.76	1.00	1.00	0.94	0.79
		ΔT	28.67	26.88	23.55	20.1	28.62	26.84	23.51	20.1	28.87	27.09	23.76	20.3	28.60	26.82	23.49	20.0	28.36	26.58	23.25	19.8	29.48	27.70	24.37	20.9
		Hi PR	256	258	259	263.7	296	297	299	303.2	337	338	340	344.6	382	383	385	389.2	430	431	433	437.3	481	482	484	488.5
		Lo PR	125	127	130	135.0	133	134	137	142.2	139	140	144	148.6	144	146	149	154.0	150	151	154	159.2	156	158	161	165.9

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	3850	MBh	142.4	144.4	148.7	-	141.2	143.2	147.4	-	137.4	139.5	143.7	-	131.0	133.1	137.3	-	123.2	125.2	129.5	-	116.1	118.1	122.3	-
		S/T	0.64	0.53	0.37	-	0.66	0.55	0.37	-	0.68	0.57	0.38	-	0.71	0.59	0.40	-	0.73	0.62	0.41	-	0.75	0.63	0.42	-
		ΔT	19.47	17.67	14.31	-	19.42	17.62	14.26	-	19.67	17.87	14.51	-	19.40	17.60	14.24	-	19.16	17.36	14.00	-	20.29	18.49	15.12	-
		Hi PR	242	243	245	-	280	282	283	-	321	322	323	-	364	365	366	-	410	411	413	-	460	461	462	-
		Lo PR	119	120	123	-	126	127	130	-	132	134	137	-	138	139	142	-	143	144	147	-	149	151	154	-
	4400	MBh	144.3	146.3	150.6	-	143.0	145.0	149.3	-	139.3	141.3	145.6	-	132.9	134.9	139.2	-	125.1	127.1	131.4	-	118.0	120.0	124.2	-
		S/T	0.65	0.56	0.42	-	0.67	0.58	0.43	-	0.69	0.60	0.44	-	0.72	0.62	0.46	-	0.74	0.65	0.47	-	0.76	0.66	0.48	-
		ΔT	18.38	16.58	13.22	-	18.33	16.53	13.17	-	18.58	16.78	13.42	-	18.31	16.51	13.15	-	18.07	16.27	12.91	-	19.20	17.40	14.04	-
		Hi PR	244	245	247	-	283	284	285	-	323	324	325	-	366	367	368	-	412	413	415	-	462	463	465	-
		Lo PR	120	122	125	-	128	129	132	-	134	136	139	-	139	141	144	-	145	146	149	-	151	153	156	-
	4950	MBh	146.6	148.6	152.8	-	145.3	147.3	151.5	-	141.6	143.6	147.8	-	135.2	137.2	141.4	-	127.3	129.4	133.6	-	120.2	122.2	126.5	-
		S/T	0.67	0.58	0.44	-	0.69	0.60	0.45	-	0.71	0.62	0.51	-	0.74	0.64	0.48	-	0.76	0.67	0.49	-	0.78	0.68	0.50	-
		ΔT	17.46	15.66	12.30	-	17.42	15.61	12.25	-	17.67	15.87	12.51	-	17.40	15.60	12.23	-	17.16	15.36	11.99	-	18.28	16.48	13.12	-
		Hi PR	246	247	249	-	285	286	287	-	325	326	327	-	368	369	370	-	414	415	417	-	464	465	467	-
		Lo PR	122	124	127	-	130	131	134	-	136	137	140	-	141	143	146	-	147	148	151	-	153	155	158	-
75	3850	MBh	142.5	144.5	148.8	155.3	141.2	143.3	147.5	154.0	137.5	139.5	143.8	150.3	131.1	133.1	137.4	143.9	123.3	125.3	129.6	136.1	116.2	118.2	122.4	128.9
		S/T	0.73	0.66	0.51	0.32	0.76	0.69	0.52	0.34	0.78	0.69	0.55	0.37	0.84	0.72	0.57	0.42	0.86	0.74	0.62	0.44	0.90	0.77	0.64	0.45
		ΔT	23.43	21.63	18.26	14.8	23.38	21.58	18.22	14.7	23.63	21.83	18.47	15.0	23.36	21.56	18.20	14.7	23.12	21.32	17.96	14.5	24.25	22.44	19.08	15.6
		Hi PR	242	243	245	249.4	281	282	283	287.6	321	322	323	327.7	364	365	367	370.8	410	411	413	417.3	460	461	463	466.9
		Lo PR	119	120	123	128.3	126	127	130	135.6	132	134	137	141.9	138	139	142	147.2	143	144	147	152.5	150	151	154	159.1
	4400	MBh	144.4	146.4	150.7	157.2	143.1	145.1	149.4	155.9	139.4	141.4	145.7	152.2	133.0	**135.0**	139.3	145.8	125.2	127.2	131.4	137.9	118.0	120.0	124.3	130.8
		S/T	0.72	0.66	0.54	0.33	0.75	0.69	0.56	0.34	0.77	0.72	0.54	0.35	0.80	**0.73**	0.60	0.39	0.82	0.76	0.64	0.41	0.90	0.84	0.67	0.43
		ΔT	22.34	20.54	17.18	13.7	22.29	20.49	17.13	13.6	22.54	20.74	17.38	13.9	22.27	**20.47**	17.11	13.6	22.03	20.23	16.87	13.4	23.16	21.36	18.00	14.5
		Hi PR	245	246	247	251.5	283	284	285	289.7	323	324	326	329.8	366	**367**	369	372.9	412	413	415	419.4	462	463	465	469.0
		Lo PR	121	122	125	130.1	128	129	132	137.3	134	136	139	143.6	139	**141**	144	149.0	145	146	149	154.2	151	153	156	160.8
	4950	MBh	146.6	148.6	152.9	159.4	145.4	147.4	151.6	158.1	141.6	143.7	147.9	154.4	135.2	137.3	141.5	148.0	127.4	129.4	133.7	140.2	120.3	122.3	126.5	133.0
		S/T	0.74	0.69	0.57	0.35	0.77	0.71	0.58	0.37	0.80	0.75	0.57	0.39	0.82	0.77	0.61	0.41	0.85	0.79	0.67	0.43	0.92	0.87	0.69	0.45
		ΔT	21.42	19.62	16.26	12.8	21.37	19.57	16.21	12.7	21.63	19.83	16.46	13.0	21.36	19.55	16.19	12.7	21.11	19.31	15.95	12.5	22.24	20.44	17.08	13.6
		Hi PR	247	248	249	253.5	285	286	287	291.7	325	326	328	331.7	368	369	371	374.9	414	415	417	421.4	464	465	467	471.0
		Lo PR	122	124	127	132.0	130	131	134	139.2	136	137	141	145.6	141	143	146	150.9	147	148	151	156.2	153	155	158	162.7

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

			Outdoor Ambient Temperature																							
			65				75				85				95				105				115			
			Entering Indoor Wet Bulb Temperature																							
IDB	Airflow	ID WB	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	3850	MBh	143.3	145.3	149.5	156.0	142.0	144.0	148.2	154.7	138.3	140.3	144.5	151.0	131.9	133.9	138.1	144.6	124.0	126.1	130.3	136.8	116.9	118.9	123.2	129.7
		S/T	80.00	0.75	0.62	0.45	0.83	0.79	0.64	0.50	0.85	0.81	0.65	0.52	0.87	0.82	0.67	0.53	0.92	0.86	0.72	0.54	0.99	0.93	0.77	0.58
		ΔT	27.41	25.61	22.25	18.8	27.36	25.56	22.20	18.7	27.62	25.82	22.45	19.0	27.34	25.54	22.18	18.7	27.10	25.30	21.94	18.5	28.23	26.43	23.07	19.6
		Hi PR	243	244	246	249.9	281	282	284	288.1	321	322	324	328.1	364	365	367	371.3	411	412	414	417.8	460	461	463	467.4
		Lo PR	119	121	124	128.9	127	128	131	136.1	133	134	137	142.4	138	140	143	147.8	143	145	148	153.0	150	151	155	159.6
	4400	MBh	145.1	147.1	151.4	157.9	143.9	145.9	150.1	156.6	140.1	142.1	146.4	152.9	133.7	135.7	**140.0**	146.5	125.9	127.9	132.2	138.7	118.8	120.8	125.0	131.5
		S/T	0.82	0.77	0.62	0.45	0.85	0.79	0.64	0.48	0.88	0.81	0.66	0.51	0.91	0.73	**0.71**	0.54	0.95	0.90	0.74	0.56	1.00	0.97	0.80	0.61
		ΔT	26.32	24.52	21.16	17.7	26.27	24.47	21.11	17.6	26.53	24.73	21.37	17.9	26.26	24.46	**21.09**	17.6	26.02	24.22	20.85	17.4	27.14	25.34	21.98	18.5
		Hi PR	245	246	248	251.9	283	284	286	290.2	323	324	326	330.2	366	367	**369**	373.3	413	414	416	419.8	462	463	465	469.4
		Lo PR	121	123	126	130.6	128	130	133	137.8	135	136	139	144.2	140	141	**144**	149.5	145	147	150	154.8	152	153	156	161.3
	4950	MBh	147.4	149.4	153.6	160.1	146.1	148.1	152.4	158.9	142.4	144.4	148.6	155.1	136.0	138.0	142.2	148.7	128.2	130.2	134.4	140.9	121.0	123.0	127.3	133.8
		S/T	0.84	0.79	0.65	0.47	0.87	0.83	0.67	0.53	0.90	0.83	0.68	0.53	0.93	0.76	0.73	0.6	0.97	0.93	0.77	0.59	1.00	1.00	0.84	0.64
		ΔT	25.41	23.61	20.25	16.8	25.36	23.56	20.20	16.7	25.61	23.81	20.45	17.0	25.34	23.54	20.18	16.7	25.10	23.30	19.94	16.5	26.23	24.43	21.07	17.6
		Hi PR	247	248	250	253.9	285	286	288	292.2	325	326	328	332.2	368	369	371	375.3	415	416	418	421.8	464	465	467	471.4
		Lo PR	123	124	127	132.5	130	132	135	139.8	137	138	141	146.1	142	143	146	151.4	147	149	152	156.7	154	155	158	163.3
85	3850	MBh	145.7	147.7	151.9	158.4	144.4	146.4	150.6	157.1	140.7	142.7	146.9	153.4	134.3	136.3	140.5	147.0	126.4	128.5	132.7	139.2	119.3	121.3	125.6	132.1
		S/T	0.82	0.79	0.72	0.57	0.85	0.82	0.74	0.6	0.89	0.86	0.76	0.61	0.90	0.86	0.78	0.64	0.93	0.90	0.82	0.66	0.94	0.93	0.83	0.66
		ΔT	30.95	29.15	25.78	22.3	30.90	29.10	25.74	22.3	31.15	29.35	25.99	22.5	30.88	29.08	25.72	22.2	30.64	28.84	25.48	22.0	31.77	29.96	26.60	23.1
		Hi PR	244	245	247	251.0	282	283	285	289.2	322	323	325	329.3	365	366	368	372.4	412	413	415	418.9	462	463	464	468.5
		Lo PR	121	123	126	130.6	128	130	133	137.9	135	136	139	144.2	140	141	144	149.5	145	147	150	154.8	152	153	156	161.4
	4400	MBh	147.5	149.5	153.8	160.3	146.3	148.3	152.5	159.0	142.5	144.5	148.8	155.3	136.1	138.1	142.4	148.9	128.3	130.3	134.6	141.1	121.2	123.2	127.4	133.9
		S/T	0.87	0.85	0.76	0.62	0.91	0.88	0.79	0.65	0.93	0.91	0.82	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.95	0.78
		ΔT	29.86	28.06	24.70	21.2	29.81	28.01	24.65	21.2	30.06	28.26	24.90	21.4	29.79	27.99	24.63	21.1	29.55	27.75	24.39	20.9	30.68	28.88	25.52	22.0
		Hi PR	246	247	249	253.1	284	285	287	291.3	324	325	327	331.3	367	369	370	374.5	414	415	417	420.9	464	465	466	470.6
		Lo PR	123	124	127	132.4	130	132	135	139.6	136	138	141	145.9	142	143	146	151.3	147	148	151	156.5	154	155	158	163.1
	4950	MBh	149.8	151.8	156.0	162.5	148.5	150.5	154.8	161.3	144.8	146.8	151.0	157.5	138.4	140.4	144.6	151.1	130.6	132.6	136.8	143.3	123.4	125.4	129.7	136.2
		S/T	0.89	0.87	0.78	0.64	0.93	0.90	0.81	0.67	0.95	0.93	0.85	0.68	0.98	0.95	0.86	0.66	1.00	0.98	0.89	0.73	1.00	1.00	0.97	0.80
		ΔT	28.94	27.14	23.78	20.3	28.89	27.09	23.73	20.2	29.15	27.35	23.98	20.5	28.88	27.07	23.71	20.2	28.63	26.83	23.47	20.0	29.76	27.96	24.60	21.1
		Hi PR	248	249	251	255.1	286	287	289	293.3	326	327	329	333.3	369	371	372	376.5	416	417	419	422.9	466	467	468	472.6
		Lo PR	125	126	129	134.3	132	133	136	141.5	138	140	143	147.9	144	145	148	153.2	149	150	153	158.5	155	157	160	165.0

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps: Unit amps (comp.+ evaporator + condenser fan motors)

Design Subcooling, 16 - 19 °F @ the liquid access fitting connection ARI 95 test conditions. Design Superheat 8 - 12°F @ the compressor suction access fitting connection.

Electrical Heater Data

MINIMUM AIR FLOW FOR ELECTRIC HEAT								
MODEL #	MIN AIRFLOW	MAX AIRFLOW	EHXB-*M15	EHXB-*M16	EHXB-*M30	EHXB-*M31	EHXB-*M45	EHXB-*M46
DBC090*	2400	3375	X		X		X	
DBC102*	2750	3825	X		X		X	
DBC120*	3250	4500		X		X		X
DBC150*	3750	5625		X		X		X

* = 3,4,7

DBC090*V Standard Static Horizontal

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	-	-	-	-	-	-	-	-		3636	652	1.11	3403	613	0.95	3165	600	0.74
0.2	-	-	-	-	-	-	-	-		3532	652	1.06	3193	613	0.87	2907	600	0.66
0.3	-	-	-	-	-	-	3654	692	1.17	3373	652	0.99	2983	613	0.78	2650	600	0.58
0.4	-	-	-	3748	732	1.24	3477	692	1.09	3161	652	0.90	2773	613	0.71	2392	600	0.51
0.5	-	-	-	3563	732	1.16	3251	692	0.99	2893	652	0.80	2563	613	0.63	-	-	-
0.6	3678	770	1.37	3345	732	1.06	2977	692	0.88	2572	652	0.68	2353	613	0.57	-	-	-
0.7	3465	770	1.26	3096	732	0.95	2656	692	0.76	-	-	-	-	-	-	-	-	-
0.8	3228	770	1.14	2815	732	0.84	2287	692	0.63	-	-	-	-	-	-	-	-	-

DBC090*S High-Static Horizontal[1]

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3444	838	1.26
0.9	-	-	-	-	-	-	-	-	-	-	-	-	3678	889	1.80	3228	840	1.16
1.0	-	-	-	-	-	-	-	-	-	-	-	-	3434	891	1.65	2984	842	1.04
1.1	-	-	-	-	-	-	-	-	-	3702	943	1.86	3162	895	1.49	2712	845	0.92
1.2	-	-	-	-	-	-	-	-	-	3467	944	1.71	2862	899	1.32	2412	849	0.80
1.3	-	-	-	-	-	-	3773	993	2.10	3216	945	1.56	2534	905	1.15	-	-	-
1.4	-	-	-	-	-	-	3542	996	1.94	2950	946	1.41	-	-	-	-	-	-
1.5	-	-	-	3737	1050	2.14	3297	1000	1.77	2668	947	1.26	-	-	-	-	-	-
1.6	-	-	-	3444	1053	1.93	3039	1003	1.61	2371	947	1.11	-	-	-	-	-	-
1.7	-	-	-	3125	1050	1.72	2767	1000	1.44	-	-	-	-	-	-	-	-	-
1.8	3732	1096	2.32	2781	1053	1.51	2481	1003	1.28	-	-	-	-	-	-	-	-	-

[1] To operate below 0.8" H_20 external static pressure, motor and blower sheave must be changed to VL40 and AK84H respectively, or equivalents

DBC090*V Standard Static Downshot

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	-	-	-	-	-	-	-	-	-	-	-	-				3681	600	0.93
0.2	-	-	-	-	-	-	-	-	-	-	-	-	3708	613	0.94	3349	600	0.81
0.3	-	-	-	-	-	-	-	-	-	3773	652	1.17	3391	613	0.83	2986	600	0.69
0.4	-	-	-	-	-	-	-	-	-	3455	652	1.02	3037	613	0.71	2593	600	0.57
0.5	-	-	-	-	-	-	3574	692	1.13	3116	652	0.88	2645	613	0.59	-	-	-
0.6	-	-	-	3715	732	1.23	3236	692	0.98	2757	652	0.74	-	-	-	-	-	-
0.7	-	-	-	3403	732	1.08	2867	692	0.83	2376	652	0.61	-	-	-	-	-	-
0.8	3550	770	1.30	3068	732	0.94	2467	692	0.69	-	-	-	-	-	-	-	-	-

DBC090*S High-Static Downshot[1]

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3676	1077	1.38
0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3391	1078	1.23
1.0	-	-	-	-	-	-	-	-	-	-	-	-	3708	1078	1.82	3017	1079	1.05
1.1	-	-	-	-	-	-	-	-	-	-	-	-	3347	1079	1.59	2556	1080	0.85
1.2	-	-	-	-	-	-	-	-	-	3586	1079	1.78	2908	1080	1.34	-	-	-
1.3	-	-	-	-	-	-	-	-	-	3287	1080	1.60	2391	1081	1.07	-	-	-
1.4	-	-	-	-	-	-	3539	1080	1.93	2973	1081	1.42	-	-	-	-	-	-
1.5	-	-	-	-	-	-	3175	1081	1.69	2645	1082	1.24	-	-	-	-	-	-
1.6	-	-	-	3690	1081	2.09	2777	1082	1.44	2302	1083	1.07	-	-	-	-	-	-
1.7	-	-	-	3426	1082	1.90	2347	1083	1.20	-	-	-	-	-	-	-	-	-
1.8	3745	1082	2.19	3152	1083	1.72	-	-	-	-	-	-	-	-	-	-	-	-

[1] To operate below 0.8" H_20 external static pressure, motor and blower sheave must be changed to VL40 and AK84H respectively, or equivalents

DBC102*V Standard Static Horizontal

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	-	-	-	4111	732	1.42	3866	692	1.27	3636	652	1.11	3403	613	0.95	3165	600	0.74
0.2	-	-	-	4022	732	1.38	3784	692	1.23	3532	652	1.06	3193	613	0.87	2907	600	0.66
0.3	4176	770	1.66	3901	732	1.32	3654	692	1.17	3373	652	0.99	2983	613	0.78	2650	600	0.58
0.4	4033	770	1.57	3748	732	1.24	3477	692	1.09	3161	652	0.90	2773	613	0.71	-	-	-
0.5	3867	770	1.48	3563	732	1.16	3251	692	0.99	2893	652	0.80	2563	613	0.63	-	-	-
0.6	3678	770	1.37	3345	732	1.06	2977	692	0.88	2572	652	0.68	-	-	-	-	-	-
0.7	3465	770	1.26	3096	732	0.95	2656	692	0.76	-	-	-	-	-	-	-	-	-
0.8	3228	770	1.14	2815	732	0.84	-	-	-	-	-	-	-	-	-	-	-	-

DBC102*S High-Static Horizontal[1]

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	-	-	-	-	-	-	-	-	-	-	-	-	3894	888	1.94	3444	838	1.26
0.9	-	-	-	-	-	-	-	-	-	4126	940	2.15	3678	889	1.80	3228	840	1.16
1.0	-	-	-	-	-	-	-	-	-	3922	942	2.01	3434	891	1.65	2984	842	1.04
1.1	-	-	-	-	-	-	4194	987	2.42	3702	943	1.86	3162	895	1.49	2712	845	0.92
1.2	-	-	-	-	-	-	3990	990	2.26	3467	944	1.71	2862	899	1.32	-	-	-
1.3	-	-	-	4245	1044	2.52	3773	993	2.10	3216	945	1.56	2534	905	1.15	-	-	-
1.4	-	-	-	4004	1047	2.33	3542	996	1.94	2950	946	1.41	-	-	-	-	-	-
1.5	-	-	-	3737	1050	2.14	3297	1000	1.77	2668	947	1.26	-	-	-	-	-	-
1.6	4139	1096	2.66	3444	1053	1.93	3039	1003	1.61	-	-	-	-	-	-	-	-	-
1.7	3939	1093	2.49	3125	1050	1.72	2767	1000	1.44	-	-	-	-	-	-	-	-	-
1.8	3732	1096	2.32	2781	1053	1.51	-	-	-	-	-	-	-	-	-	-	-	-

[1] To operate below 0.8" H_20 external static pressure, motor and blower sheave must be changed to VL40 and AK84H respectively, or equivalents

DBC102*V Standard Static Downshot[1]

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	-	-	-	-	-	-	-	-	-	-	-	-	3988	613	1.05	3681	600	0.93
0.2	-	-	-	-	-	-	-	-	-	4070	652	1.31	3708	613	0.94	3349	600	0.81
0.3	-	-	-	-	-	-	4160	692	1.42	3773	652	1.17	3391	613	0.83	2986	600	0.69
0.4	-	-	-	4269	732	1.50	3882	692	1.28	3455	652	1.02	3037	613	0.71	2593	600	0.57
0.5	-	-	-	4004	732	1.37	3574	692	1.13	3116	652	0.88	2645	613	0.59	-	-	-
0.6	4106	770	1.61	3715	732	1.23	3236	692	0.98	2757	652	0.74	-	-	-	-	-	-
0.7	3836	770	1.46	3403	732	1.08	2867	692	0.83	-	-	-	-	-	-	-	-	-
0.8	3550	770	1.30	3068	732	0.94	-	-	-	-	-	-	-	-	-	-	-	-

DBC102*S High-Static Downshot

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	-	-	-	-	-	-	-	-	-	-	-	-	4197	1076	2.15	3676	1077	1.38
0.9	-	-	-	-	-	-	-	-	-	-	-	-	3991	1077	2.00	3391	1078	1.23
1.0	-	-	-	-	-	-	-	-	-	4141	1077	2.15	3708	1078	1.82	3017	1079	1.05
1.1	-	-	-	-	-	-	-	-	-	3871	1078	1.97	3347	1079	1.59	2556	1080	0.85
1.2	-	-	-	-	-	-	4170	1078	2.40	3586	1079	1.78	2908	1080	1.34	-	-	-
1.3	-	-	-	-	-	-	3871	1079	2.17	3287	1080	1.60	-	-	-	-	-	-
1.4	-	-	-	4193	1079	2.47	3539	1080	1.93	2973	1081	1.42	-	-	-	-	-	-
1.5	-	-	-	3946	1080	2.28	3175	1081	1.69	2645	1082	1.24	-	-	-	-	-	-
1.6	4235	1080	2.56	3690	1081	2.09	2777	1082	1.44	-	-	-	-	-	-	-	-	-
1.7	3995	1081	2.37	3426	1082	1.90	-	-	-	-	-	-	-	-	-	-	-	-
1.8	3745	1082	2.19	3152	1083	1.72	-	-	-	-	-	-	-	-	-	-	-	-

[1] To operate below 0.8" H_20 external static pressure, motor and blower sheave must be changed to VL40 and AK84H respectively, or equivalents

DBC120*V Standard Static Horizontal

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	-	-	-	-	-	-	4575	790	1.72	4308	743	1.54	4035	697	1.20	3740	651	1.05
0.2	-	-	-	-	-	-	4454	790	1.65	4167	743	1.46	3860	697	1.13	3553	651	0.98
0.3	-	-	-	-	-	-	4300	790	1.57	3987	743	1.37	3645	697	1.04	3301	651	0.88
0.4	-	-	-	-	-	-	4114	790	1.47	3767	743	1.26	3389	697	0.95	2985	651	0.77
0.5	-	-	-	4264	840	2.02	3895	790	1.36	3508	743	1.14	3092	697	0.84	-	-	-
0.6	-	-	-	4023	840	1.87	3644	790	1.24	3210	743	1.01	-	-	-	-	-	-
0.7	-	-	-	3764	840	1.72	3361	790	1.11	-	-	-	-	-	-	-	-	-
0.8	-	-	-	3484	840	1.56	3045	790	0.98	-	-	-	-	-	-	-	-	-

DBC120*S High-Static Horizontal[1]

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	-	-	-	-	-	-	4922	984	2.85	4477	931	2.45	4010	882	2.06	3432	830	1.52
0.9	-	-	-	-	-	-	4722	984	2.70	4248	931	2.28	3744	882	1.89	3106	830	1.35
1.0	-	-	-	-	-	-	4507	984	2.54	3998	931	2.11	3440	882	1.70	-	-	-
1.1	-	-	-	4607	1031	2.88	4277	984	2.37	3727	931	1.93	3099	882	1.49	-	-	-
1.2	-	-	-	4388	1031	2.70	4032	984	2.20	3436	931	1.74	-	-	-	-	-	-
1.3	-	-	-	4169	1031	2.52	3772	984	2.02	3124	931	1.56	-	-	-	-	-	-
1.4	-	-	-	3950	1031	2.36	3497	984	1.85	-	-	-	-	-	-	-	-	-
1.5	-	-	-	3731	1031	2.19	3208	984	1.67	-	-	-	-	-	-	-	-	-
1.6	4078	1069	2.94	3511	1031	2.04	2904	984	1.50	-	-	-	-	-	-	-	-	-
1.7	3828	1069	2.72	3290	1031	1.89	-	-	-	-	-	-	-	-	-	-	-	-
1.8	3567	1069	2.51	3070	1031	1.75	-	-	-	-	-	-	-	-	-	-	-	-

[1] To operate below 0.8" H_2O external static pressure, motor and blower sheave must be changed to VL40 and AK74H respectively, or equivalents.

DBC120*V Standard Static Downshot[1]

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1	-	-	-	-	-	-	-	-	-	4783	743	1.80	4468	697	1.39	4123	651	1.21
0.2	-	-	-	-	-	-	4939	790	1.93	4594	743	1.69	4242	697	1.29	3873	651	1.11
0.3	-	-	-	-	-	-	4733	790	1.81	4376	743	1.57	3987	697	1.18	3585	651	0.99
0.4	-	-	-	-	-	-	4510	790	1.68	4128	743	1.44	3701	697	1.06	3257	651	0.87
0.5	-	-	-	-	-	-	4268	790	1.55	3851	743	1.30	3385	697	0.94	-	-	-
0.6	-	-	-	-	-	-	4009	790	1.42	3545	743	1.16	3038	697	0.82	-	-	-
0.7	-	-	-	4195	840	1.98	3731	790	1.28	3210	743	1.01	-	-	-	-	-	-
0.8	-	-	-	3935	840	1.82	3435	790	1.15	-	-	-	-	-	-	-	-	-

DBC120*S High-Static Downshot

ESP, In H_2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8	-	-	-	-	-	-	-	-	-	4867	931	2.74	4322	882	2.28	3922	830	1.80
0.9	-	-	-	-	-	-	-	-	-	4619	931	2.55	4074	882	2.11	3674	830	1.66
1.0	-	-	-	-	-	-	4894	984	2.83	4371	931	2.37	3743	882	1.89	3343	830	1.48
1.1	-	-	-	-	-	-	4646	984	2.64	4123	931	2.19	3326	882	1.63	-	-	-
1.2	-	-	-	-	-	-	4364	984	2.43	3875	931	2.02	-	-	-	-	-	-
1.3	-	-	-	4705	1031	2.96	4049	984	2.21	3627	931	1.86	-	-	-	-	-	-
1.4	-	-	-	4434	1031	2.74	3700	984	1.98	3379	931	1.71	-	-	-	-	-	-
1.5	-	-	-	4138	1031	2.50	3317	984	1.74	3131	931	1.56	-	-	-	-	-	-
1.6	-	-	-	3817	1031	2.26	-	-	-	-	-	-	-	-	-	-	-	-
1.7	-	-	-	3472	1031	2.01	-	-	-	-	-	-	-	-	-	-	-	-
1.8	4058	1069	2.90	3102	1031	1.77	-	-	-	-	-	-	-	-	-	-	-	-

[1] To operate below 0.8" H_2O external static pressure, motor and blower sheave must be changed to VL40 and AK74H respectively, or equivalents.

DBC150*V Standard Static Horizontal

ESP, In H2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1				5229	865	2.69	4949	822	2.46	4665	777	1.76	4384	732	1.57	4080	686	1.21
0.2				5101	865	2.60	4809	822	2.36	4515	777	1.67	4218	732	1.48	3896	686	1.14
0.3	5254	905	3.03	4959	865	2.50	4652	822	2.25	4345	777	1.58	4028	732	1.38			
0.4	5105	905	2.91	4803	865	2.40	4478	822	2.14	4154	777	1.48	3812	732	1.28			
0.5	4949	905	2.78	4634	865	2.28	4288	822	2.02	3943	777	1.37						
0.6	4784	905	2.65	4451	865	2.16	4080	822	1.89									
0.7	4610	905	2.52	4254	865	2.04	3856	822	1.76									
0.8	4429	905	2.39	4043	865	1.91												

DBC150*S High-Static Horizontal[1]

ESP, In H2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8							6164	1068	5.04	5873	1030	4.06	5526	990	3.36	5160	948	3.00
0.9							6051	1068	4.91	5736	1030	3.92	5379	990	3.23	4977	948	2.85
1.0							5925	1068	4.76	5582	1030	3.77	5205	990	3.09	4770	948	2.69
1.1							5783	1068	4.61	5412	1030	3.61	5004	990	2.92	4539	948	2.51
1.2				6017	1106	4.93	5628	1068	4.43	5225	1030	3.43	4778	990	2.75	4285	948	2.33
1.3				5858	1106	4.75	5457	1068	4.25	5023	1030	3.24	4525	990	2.55	4007	948	2.13
1.4	6019	1144	4.99	5691	1106	4.56	5273	1068	4.06	4803	1030	3.05	4246	990	2.35			
1.5	5864	1144	4.81	5514	1106	4.37	5074	1068	3.85	4568	1030	2.85	3940	990	2.14			
1.6	5700	1144	4.63	5328	1106	4.17	4860	1068	3.64	4316	1030	2.64						
1.7	5528	1144	4.45	5133	1106	3.97	4632	1068	3.42	4047	1030	2.43						
1.8	5348	1144	4.26	4928	1106	3.77	4389	1068	3.19	3762	1030	2.22						

[1]To operate below 0.8" H_20 external static pressure, motor and blower sheave must be changed to VP44 and AK79H respectively, or equivalents

DBC150*V Standard Static Downshot

ESP, In H2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.1										5638	777	2.36	5275	732	2.09	4903	686	1.59
0.2										5432	777	2.22	5059	732	1.95	4676	686	1.48
0.3							5615	822	2.94	5212	777	2.08	4821	732	1.81	4413	686	1.36
0.4				5760	865	3.09	5392	822	2.77	4979	777	1.94	4562	732	1.67	4112	686	1.23
0.5				5555	865	2.94	5164	822	2.61	4733	777	1.80	4282	732	1.51	3775	686	1.09
0.6				5342	865	2.78	4931	822	2.44	4472	777	1.65	3981	732	1.36			
0.7				5123	865	2.62	4691	822	2.28	4199	777	1.50						
0.8				4897	865	2.46	4446	822	2.12	3912	777	1.36						

DBC150*S High-Static Downshot[1]

ESP, In H2O	TURNS OPEN																	
	0			1			2			3			4			5		
	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP	CFM	RPM	BHP
0.8													6028	990	3.81	5535	948	3.31
0.9													5810	990	3.61	5306	948	3.12
1.0										6254	1030	4.46	5577	990	3.40	5055	948	2.91
1.1										6054	1030	4.25	5328	990	3.19	4783	948	2.70
1.2										5844	1030	4.03	5063	990	2.97	4489	948	2.48
1.3							6028	1068	4.88	5624	1030	3.81	4783	990	2.75	4174	948	2.25
1.4							5803	1068	4.63	5394	1030	3.59	4487	990	2.53	3837	948	2.02
1.5				6145	1106	5.07	5568	1068	4.37	5155	1030	3.37	4175	990	2.30			
1.6				5939	1106	4.84	5323	1068	4.11	4905	1030	3.14	3848	990	2.08			
1.7				5725	1106	4.60	5068	1068	3.85	4646	1030	2.91						
1.8	5969	1144	4.93	5505	1106	4.36	4803	1068	3.58	4377	1030	2.69						

[1]To operate below 0.8" H_20 external static pressure, motor and blower sheave must be changed to VP44 and AK79H respectively, or equivalents

Electrical Data

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC0903S	208/230/3/60	2	13.1	83.1	2	0.33	2	2-speed Belt-Drive High-Static	3	9.1	-	-	-	-	-	42.7/42.7	50/50
											-	-	-	9.6/8.7	-	52.3/51.4	60/60
											-	-	-	-	3.3/3.0	46.0/45.7	50/50
											-	-	-	9.6/8.7	3.3/3.0	55.6/54.4	60/60
											EH*B-3M15	11.3/15.0	31.3/36.1	-	-	50.5/56.5	60/60
														9.6/8.7	-	62.5/67.4	70/70
														-	3.3/3.0	54.6/60.2	60/70
														9.6/8.7	3.3/3.0	66.6/71.1	70/80
											EH*B-3M30	22.5/30.0	62.5/72.2	-	-	89.6/102	90/110
														9.6/8.7	-	102/112	110/125
														-	3.3/3.0	93.7/105	100/110
														9.6/8.7	3.3/3.0	106/116	110/125
											EH*B-3M45	33.8/45.0	93.8/108	-	-	129/147	150/150
														9.6/8.7	-	141/158	150/175
														-	3.3/3.0	133/150	150/175
														9.6/8.7	3.3/3.0	145/161	150/175
DBC0903V	208/230/3/60	2	13.1	83.1	2	0.33	2	2-speed Belt-Drive Standard Static	2	6	-	-	-	-	-	39.6/39.6	50/50
											-	-	-	9.6/8.7	-	49.2/48.3	60/60
											-	-	-	-	3.3/3.0	42.9/42.6	50/50
											-	-	-	9.6/8.7	3.3/3.0	52.5/51.3	60/60
											EH*B-3M15	11.3/15.0	31.3/36.1	-	-	46.6/52.6	50/60
														9.6/8.7	-	58.6/63.5	60/70
														-	3.3/3.0	50.7/56.4	60/60
														9.6/8.7	3.3/3.0	62.7/67.2	70/70
											EH*B-3M30	22.5/30.0	62.5/72.2	-	-	85.7/97.7	90/100
														9.6/8.7	-	97.7/109	100/110
														-	3.3/3.0	89.8/101	90/110
														9.6/8.7	3.3/3.0	102/112	110/125
											EH*B-3M45	33.8/45.0	93.8/108	-	-	125/143	125/150
														9.6/8.7	-	137/154	150/175
														-	3.3/3.0	129/147	150/150
														9.6/8.7	3.3/3.0	141/157	150/175
DBC0904S	460/3/60	2	6.1	41	2	0.33	0.85	2-speed Belt-Drive High-Static	3	4.3	-	-	-	-	-	19.7	25
											-	-	-	4.3	-	24	30
											-	-	-	-	1	20.7	25
											-	-	-	4.3	1	25	30
											EH*B-4M15	15	18	-	-	27.9	30
														4.3	-	33.3	35
														-	1	29.2	30
														4.3	1	34.6	35
											EH*B-4M30	30	36.1	-	-	50.5	60
														4.3	-	55.9	60
														-	1	51.7	60
														4.3	1	57.1	60
											EH*B-4M45	45	54.1	-	-	73	80
														4.3	-	78.4	80
														-	1	74.3	80
														4.3	1	79.7	80
DBC0904V	460/3/60	2	6.1	41	2	0.33	0.85	2-speed Belt-Drive Standard Static	2	2.9	-	-	-	-	-	18.3	20
											-	-	-	4.3	-	22.6	25
											-	-	-	-	1	19.3	20
											-	-	-	4.3	1	23.6	25
											EH*B-4M15	15	18	-	-	26.2	30
														4.3	-	31.6	35
														-	1	27.4	30
														4.3	1	32.8	35
											EH*B-4M30	30	36.1	-	-	48.7	50
														4.3	-	54.1	60
														-	1	50	50
														4.3	1	55.4	60
											EH*B-4M45	45	54.1	-	-	71.3	80
														4.3	-	76.7	80
														-	1	72.5	80
														4.3	1	77.9	80

Electrical Data

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC0907S	575/3/60	2	4.4	33	2	0.33	0.67	2-speed Belt-Drive High-Static	3	3.5	-	-	-	-	-	14.6	15
											-	-	-	3.5	-	18.1	20
											-	-	-	-	1.2	15.8	20
											-	-	-	3.5	1.2	19.3	20
											EH*B-7M15	15	14.4	-	-	22.4	25
														3.5	-	26.8	30
														-	1.2	23.9	25
														3.5	1.2	28.3	30
											EH*B-7M30	30	28.9	-	-	40.5	45
														3.5	-	44.8	45
														-	1.2	42	45
														3.5	1.2	46.3	50
											EH*B-7M45	45	43.3	-	-	58.5	60
														3.5	-	62.9	70
														-	1.2	60	70
														3.5	1.2	64.4	70
DBC0907V	575/3/60	2	4.4	33	2	0.33	0.67	2-speed Belt-Drive Standard Static	2	2.4	-	-	-	-	-	13.5	15
											-	-	-	3.5	-	17	20
											-	-	-	-	1.2	14.7	15
											-	-	-	3.5	1.2	18.2	20
											EH*B-7M15	15	14.4	-	-	21	25
														3.5	-	25.4	30
														-	1.2	22.5	25
														3.5	1.2	26.9	30
											EH*B-7M30	30	28.9	-	-	39.1	40
														3.5	-	43.5	45
														-	1.2	40.6	45
														3.5	1.2	45	45
											EH*B-7M45	45	43.3	-	-	57.1	60
														3.5	-	61.5	70
														-	1.2	58.6	60
														3.5	1.2	63	70
DBC1023S	208/230/3/60	2	14.5	98	2	0.33	2	2-speed Belt-Drive High-Static	3	9.1	-	-	-	-	-	45.7/45.7	60/60
											-	-	-	9.6/8.7	-	55.3/54.4	60/60
											-	-	-	-	3.3/3.0	49.0/48.7	60/60
											-	-	-	9.6/8.7	3.3/3.0	58.6/57.4	60/60
											EH*B-3M15	11.3/15.0	31.3/36.1	-	-	50.5/56.5	60/60
														9.6/8.7	-	62.5/67.4	70/70
														-	3.3/3.0	54.6/60.2	60/70
														9.6/8.7	3.3/3.0	66.6/71.1	70/80
											EH*B-3M30	22.5/30.0	62.5/72.2	-	-	89.6/102	90/110
														9.6/8.7	-	102/112	110/125
														-	3.3/3.0	93.7/105	100/110
														9.6/8.7	3.3/3.0	106/116	110/125
											EH*B-3M45	33.8/45.0	93.8/108	-	-	129/147	150/150
														9.6/8.7	-	141/158	150/175
														-	3.3/3.0	133/150	150/175
														9.6/8.7	3.3/3.0	145/161	150/175
DBC1023V	208/230/3/60	2	14.5	98	2	0.33	2	2-speed Belt-Drive Standard Static	2	6	-	-	-	-	-	42.6/42.6	50/50
											-	-	-	9.6/8.7	-	52.2/51.3	60/60
											-	-	-	-	3.3/3.0	45.9/45.6	50/50
											-	-	-	9.6/8.7	3.3/3.0	55.5/54.3	60/60
											EH*B-3M15	11.3/15.0	31.3/36.1	-	-	46.6/52.6	50/60
														9.6/8.7	-	58.6/63.5	60/70
														-	3.3/3.0	50.7/56.4	60/60
														9.6/8.7	3.3/3.0	62.7/67.2	70/70
											EH*B-3M30	22.5/30.0	62.5/72.2	-	-	85.7/97.7	90/100
														9.6/8.7	-	97.7/109	100/110
														-	3.3/3.0	89.8/101	90/110
														9.6/8.7	3.3/3.0	102/112	110/125
											EH*B-3M45	33.8/45.0	93.8/108	-	-	125/143	125/150
														9.6/8.7	-	137/154	150/175
														-	3.3/3.0	129/147	150/150
														9.6/8.7	3.3/3.0	141/157	150/175

Electrical Data

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC1024S	460/3/60	2	6.4	55	2	0.33	0.85	2-speed Belt-Drive High-Static	3	4.3	-	-	-	-	-	20.3	25
											-	-	-	4.3	-	24.6	30
											-	-	-	-	1	21.3	25
											-	-	-	4.3	1	25.6	30
											EH*B-4M15	15	18	-	-	27.9	30
														4.3	-	33.3	35
														-	1	29.2	30
														4.3	1	34.6	35
											EH*B-4M30	30	36.1	-	-	50.5	60
														4.3	-	55.9	60
														-	1	51.7	60
														4.3	1	57.1	60
											EH*B-4M45	45	54.1	-	-	73	80
														4.3	-	78.4	80
														-	1	74.3	80
														4.3	1	79.7	80
DBC1024V	460/3/60	2	6.4	55	2	0.33	0.85	2-speed Belt-Drive Standard Static	2	2.9	-	-	-	-	-	18.9	25
											-	-	-	4.3	-	23.2	25
											-	-	-	-	1	19.9	25
											-	-	-	4.3	1	24.2	25
											EH*B-4M15	15	18	-	-	26.2	30
														4.3	-	31.6	35
														-	1	27.4	30
														4.3	1	32.8	35
											EH*B-4M30	30	36.1	-	-	48.7	50
														4.3	-	54.1	60
														-	1	50	50
														4.3	1	55.4	60
											EH*B-4M45	45	54.1	-	-	71.3	80
														4.3	-	76.7	80
														-	1	72.5	80
														4.3	1	77.9	80
DBC1027S	575/3/60	2	6.0	41	2	0.33	0.67	2-speed Belt-Drive High-Static	3	3.5	-	-	-	-	-	18.4	20
											-	-	-	3.5	-	21.9	25
											-	-	-	-	1.2	19.6	20
											-	-	-	3.5	1.2	23.1	25
											EH*B-7M15	15	14.4	-	-	22.4	25
														3.5	-	26.8	30
														-	1.2	23.9	25
														3.5	1.2	28.3	30
											EH*B-7M30	30	28.9	-	-	40.5	45
														3.5	-	44.8	45
														-	1.2	42	45
														3.5	1.2	46.3	50
											EH*B-7M45	45	43.3	-	-	58.5	60
														3.5	-	62.9	70
														-	1.2	60	70
														3.5	1.2	64.4	70
DBC1027V	575/3/60	2	6.0	41	2	0.33	0.67	2-speed Belt-Drive Standard Static	2	2.4	-	-	-	-	-	17.3	20
											-	-	-	3.5	-	20.8	25
											-	-	-	-	1.2	18.5	20
											-	-	-	3.5	1.2	22	25
											EH*B-7M15	15	14.4	-	-	21	25
														3.5	-	25.4	30
														-	1.2	22.5	25
														3.5	1.2	26.9	30
											EH*B-7M30	30	28.9	-	-	39.1	40
														3.5	-	43.5	45
														-	1.2	40.6	45
														3.5	1.2	45	45
											EH*B-7M45	45	43.3	-	-	57.1	60
														3.5	-	61.5	70
														-	1.2	58.6	60
														3.5	1.2	63	70

Electrical Data

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC1203S	208/230/3/60	2	16.0	110	2	0.33	2	2-speed Belt-Drive High-Static	3	9.1	-	-	-	-	-	49.0/49.0	60/60
											-	-	-	9.6/8.7	-	58.6/57.7	70/70
											-	-	-	-	3.3/3.0	52.3/52.0	60/60
											-	-	-	9.6/8.7	3.3/3.0	61.9/60.7	70/70
											EH*B-3M16	11.3/15.0	31.3/36.1	-	-	50.5/56.5	60/60
														9.6/8.7	-	62.5/67.4	70/70
														-	3.3/3.0	54.6/60.2	60/70
														9.6/8.7	3.3/3.0	66.6/71.1	70/80
											EH*B-3M31	22.5/30.0	62.5/72.2	-	-	89.6/102	90/110
														9.6/8.7	-	102/112	110/125
														-	3.3/3.0	93.7/105	100/110
														9.6/8.7	3.3/3.0	106/116	110/125
											EH*B-3M46	33.8/45.0	93.8/108	-	-	129/147	150/150
														9.6/8.7	-	141/158	150/175
														-	3.3/3.0	133/150	150/175
														9.6/8.7	3.3/3.0	145/161	150/175
DBC1203V	208/230/3/60	2	16.0	110	2	0.33	2	2-speed Belt-Drive Standard Static	2	6	-	-	-	-	-	45.9/45.9	60/60
											-	-	-	9.6/8.7	-	55.5/54.6	70/70
											-	-	-	-	3.3/3.0	49.2/48.9	60/60
											-	-	-	9.6/8.7	3.3/3.0	58.8/57.6	70/70
											EH*B-3M16	11.3/15.0	31.3/36.1	-	-	46.6/52.6	60/60
														9.6/8.7	-	58.6/63.5	70/70
														-	3.3/3.0	50.7/56.4	60/60
														9.6/8.7	3.3/3.0	62.7/67.2	70/70
											EH*B-3M31	22.5/30.0	62.5/72.2	-	-	85.7/97.7	90/100
														9.6/8.7	-	97.7/109	100/110
														-	3.3/3.0	89.8/101	90/110
														9.6/8.7	3.3/3.0	102/112	110/125
											EH*B-3M46	33.8/45.0	93.8/108	-	-	125/143	125/150
														9.6/8.7	-	137/154	150/175
														-	3.3/3.0	129/147	150/150
														9.6/8.7	3.3/3.0	141/157	150/175
DBC1204S	460/3/60	2	7.8	52	2	0.33	0.85	2-speed Belt-Drive High-Static	3	4.3	-	-	-	-	-	23.5	30
											-	-	-	4.3	-	27.8	35
											-	-	-	-	1	24.5	30
											-	-	-	4.3	1	28.8	35
											EH*B-4M16	15	18	-	-	27.9	30
														4.3	-	33.3	35
														-	1	29.2	30
														4.3	1	34.6	35
											EH*B-4M31	30	36.1	-	-	50.5	60
														4.3	-	55.9	60
														-	1	51.7	60
														4.3	1	57.1	60
											EH*B-4M46	45	54.1	-	-	73	80
														4.3	-	78.4	80
														-	1	74.3	80
														4.3	1	79.7	80
DBC1204V	460/3/60	2	7.8	52	2	0.33	0.85	2-speed Belt-Drive Standard Static	2	2.9	-	-	-	-	-	22.1	25
											-	-	-	4.3	-	26.4	30
											-	-	-	-	1	23.1	25
											-	-	-	4.3	1	27.4	30
											EH*B-4M16	15	18	-	-	26.2	30
														4.3	-	31.6	35
														-	1	27.4	30
														4.3	1	32.8	35
											EH*B-4M31	30	36.1	-	-	48.7	50
														4.3	-	54.1	60
														-	1	50	50
														4.3	1	55.4	60
											EH*B-4M46	45	54.1	-	-	71.3	80
														4.3	-	76.7	80
														-	1	72.5	80
														4.3	1	77.9	80

Electrical Data

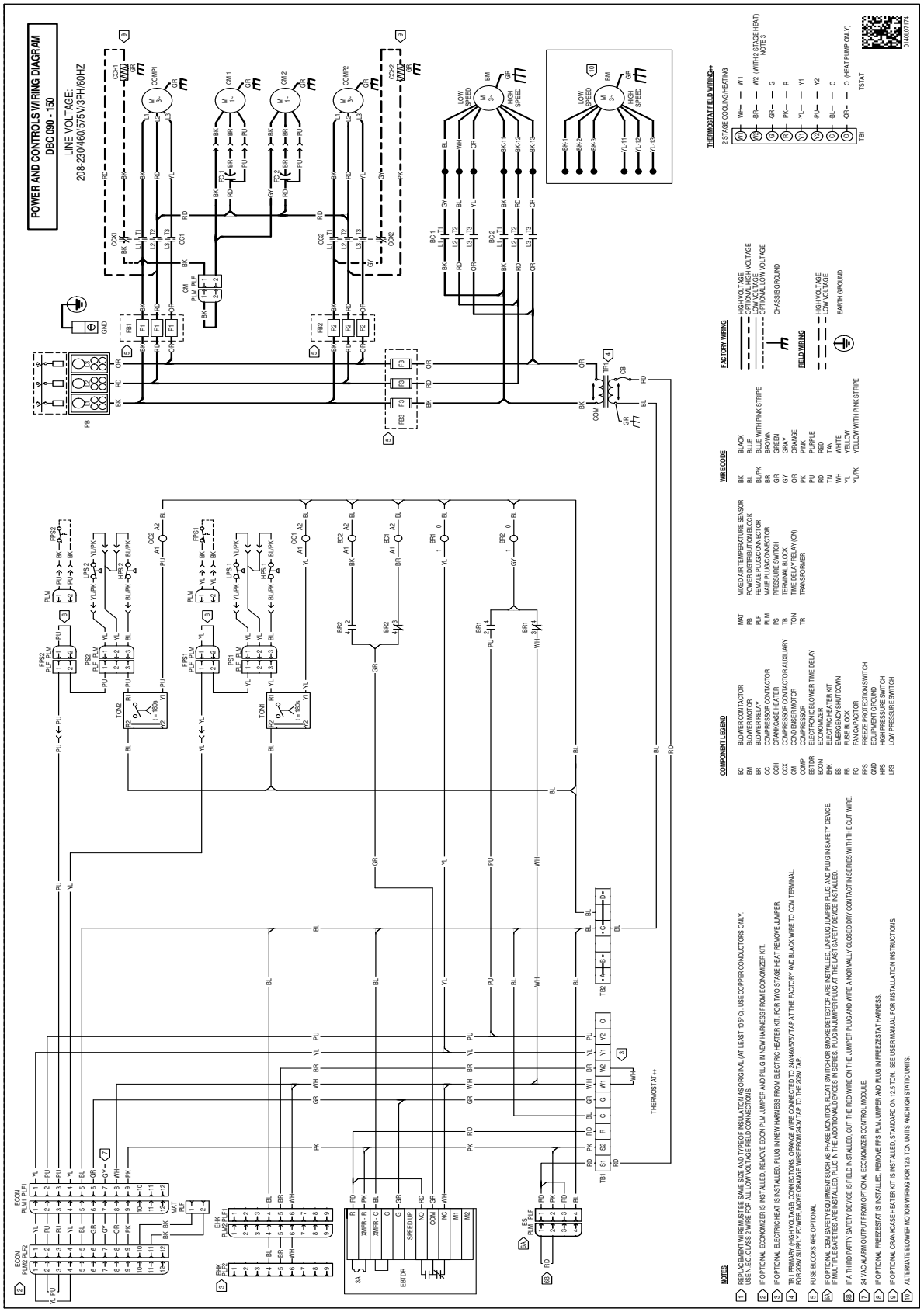
Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC1207S	575/3/60	2	5.7	38.9	2	0.33	0.67	2-speed Belt-Drive High-Static	3	3.5	-	-	-	-	-	17.7	20
											-	-	-	3.5	-	21.2	25
											-	-	-	-	1.2	18.9	20
											-	-	-	3.5	1.2	22.4	25
											EH*B-7M16	15	14.4	-	-	22.4	25
														3.5	-	26.8	30
														-	1.2	23.9	25
														3.5	1.2	28.3	30
											EH*B-7M31	30	28.9	-	-	40.5	45
														3.5	-	44.8	45
														-	1.2	42	45
														3.5	1.2	46.3	50
											EH*B-7M46	45	43.3	-	-	58.5	60
														3.5	-	62.9	70
														-	1.2	60	70
														3.5	1.2	64.4	70
DBC1207V	575/3/60	2	5.7	38.9	2	0.33	0.67	2-speed Belt-Drive Standard Static	2	2.4	-	-	-	-	-	16.6	20
											-	-	-	3.5	-	20.1	25
											-	-	-	-	1.2	17.8	20
											-	-	-	3.5	1.2	21.3	25
											EH*B-7M16	15	14.4	-	-	21	25
														3.5	-	25.4	30
														-	1.2	22.5	25
														3.5	1.2	26.9	30
											EH*B-7M31	30	28.9	-	-	39.1	40
														3.5	-	43.5	45
														-	1.2	40.6	45
														3.5	1.2	45	45
											EH*B-7M46	45	43.3	-	-	57.1	60
														3.5	-	61.5	70
														-	1.2	58.6	60
															1.2	63	70

Electrical Data

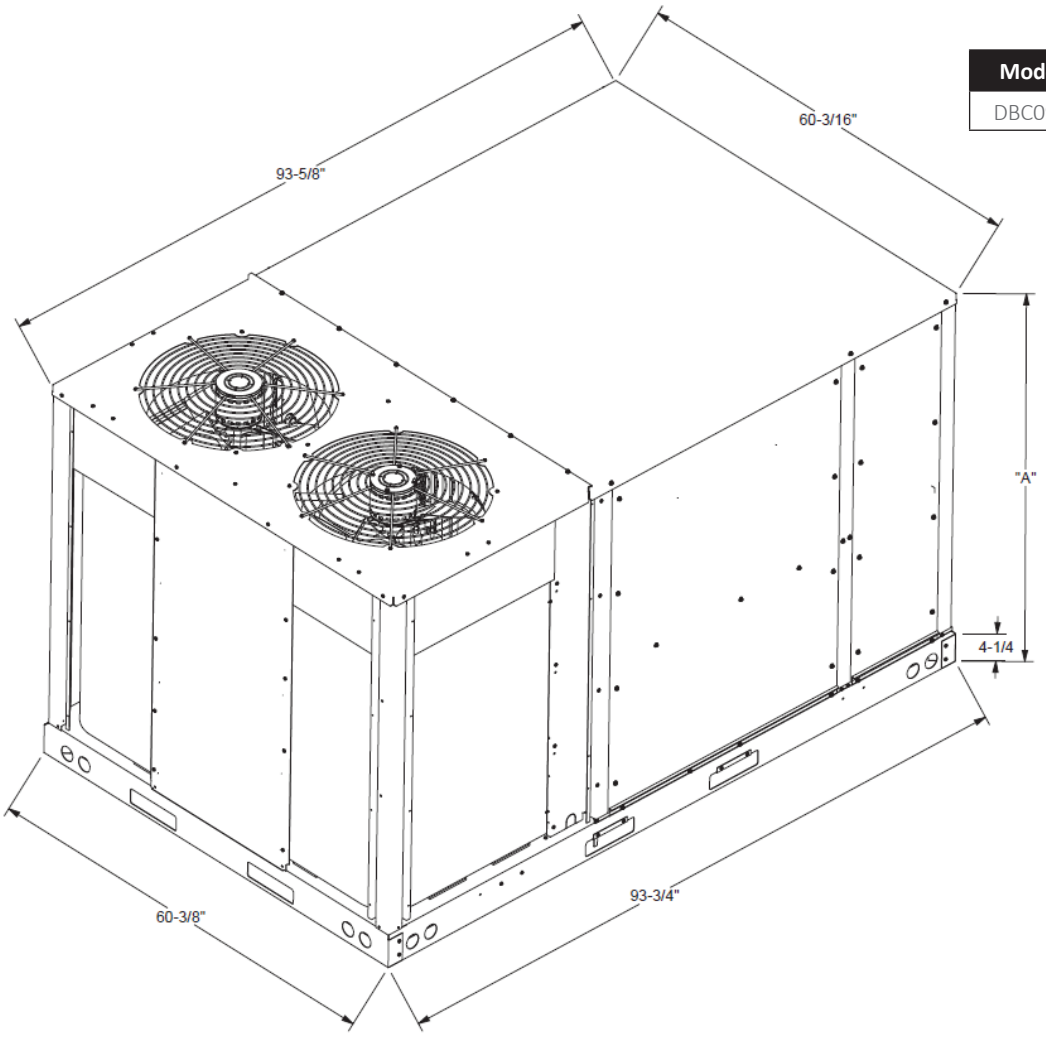
Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC1503S	208/230/3/60	2	19	123	2	0.5	2.7	2-speed Belt-Drive High-Static	5	14	-	-	-	-	-	62.2/62.2	80/80
											-	-	-	9.6/8.7	-	71.8/70.9	90/80
											-	-	-	-	3.3/3.0	65.5/65.2	80/80
											-	-	-	9.6/8.7	3.3/3.0	75.1/73.9	90/80
											EH*B-3M16	11.3/15.0	31.3/36.1	-	-	62.2/62.6	80/80
														9.6/8.7	-	71.8/73.5	90/80
														-	3.3/3.0	65.5/66.4	80/80
														9.6/8.7	3.3/3.0	75.1/77.2	90/80
											EH*B-3M31	22.5/30.0	62.5/72.2	-	-	95.7/108	100/110
														9.6/8.7	-	108/119	110/125
														-	3.3/3.0	99.8/111	100/125
														9.6/8.7	3.3/3.0	112/122	125/125
											EH*B-3M46	33.8/45.0	93.8/108	-	-	135/153	150/175
														9.6/8.7	-	147/164	150/175
														-	3.3/3.0	139/157	150/175
														9.6/8.7	3.3/3.0	151/167	175/175
DBC1503V	208/230/3/60	2	19	123	2	0.5	2.7	2-speed Belt-Drive Standard Static	3	9.1	-	-	-	-	-	57.3/57.3	70/70
											-	-	-	9.6/8.7	-	66.9/66.0	80/80
											-	-	-	-	3.3/3.0	60.6/60.3	70/70
											-	-	-	9.6/8.7	3.3/3.0	70.2/69.0	80/80
											EH*B-3M16	11.3/15.0	31.3/36.1	-	-	57.3/57.3	70/70
														9.6/8.7	-	66.9/67.4	80/80
														-	3.3/3.0	60.6/60.3	70/70
														9.6/8.7	3.3/3.0	70.2/71.1	80/80
											EH*B-3M31	22.5/30.0	62.5/72.2	-	-	89.6/102	90/110
														9.6/8.7	-	102/112	110/125
														-	3.3/3.0	93.7/105	100/110
														9.6/8.7	3.3/3.0	106/116	110/125
											EH*B-3M46	33.8/45.0	93.8/108	-	-	129/147	150/150
														9.6/8.7	-	141/158	150/175
														-	3.3/3.0	133/150	150/175
														9.6/8.7	3.3/3.0	145/161	150/175
DBC1504S	460/3/60	2	9.7	62	2	0.5	1.4	2-speed Belt-Drive High-Static	5	6.6	-	-	-	-	-	31.3	40
											-	-	-	4.3	-	35.6	45
											-	-	-	-	1	32.3	40
											-	-	-	4.3	1	36.6	45
											EH*B-4M16	15	18	-	-	31.3	40
														4.3	-	36.2	45
														-	1	32.3	40
														4.3	1	37.4	45
											EH*B-4M31	30	36.1	-	-	53.4	60
														4.3	-	58.7	60
														-	1	54.6	60
														4.3	1	60	60
											EH*B-4M46	45	54.1	-	-	75.9	80
														4.3	-	81.3	90
														-	1	77.2	80
														4.3	1	82.5	90
DBC1504V	460/3/60	2	9.7	62	2	0.5	1.4	2-speed Belt-Drive Standard Static	3	4.3	-	-	-	-	-	29	35
											-	-	-	4.3	-	33.3	40
											-	-	-	-	1	30	35
											-	-	-	4.3	1	34.3	40
											EH*B-4M16	15	18	-	-	29	35
														4.3	-	33.3	40
														-	1	30	35
														4.3	1	34.6	40
											EH*B-4M31	30	36.1	-	-	50.5	60
														4.3	-	55.9	60
														-	1	51.7	60
														4.3	1	57.1	60
											EH*B-4M46	45	54.1	-	-	73	80
														4.3	-	78.4	80
														-	1	74.3	80
														4.3	1	79.7	80

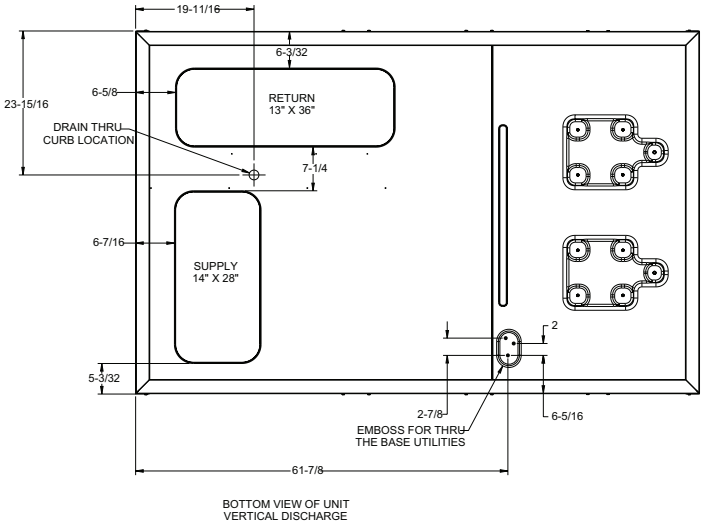
Electrical Data

Model Number	Electrical Rating	Compressor			Outdoor Fan Motor			Indoor Fan Motor			Optional Electric Heat			Optional Powered Convenience Outlet	Optional Power Exhaust	Power Supply	
		QTY	RLA	LRA	QTY	HP	FLA	TYPE	HP	FLA	PART #	KW*	FLA	FLA	FLA	MCA	MOP
DBC1507S	575/3/60	2	7.4	50	2	0.5	1	2-speed Belt-Drive High-Static	5	5.2	-	-	-	-	-	23.9	30
											-	-	-	3.5	-	27.4	30
											-	-	-	-	1.2	25.1	30
											-	-	-	3.5	1.2	28.6	30
											EH*B-7M16	15	14.4	-	-	24.5	30
														3.5	-	28.9	30
														-	1.2	26	30
														3.5	1.2	30.4	35
											EH*B-7M31	30	28.9	-	-	42.6	45
														3.5	-	47	50
														-	1.2	44.1	45
														3.5	1.2	48.5	50
											EH*B-7M46	45	43.3	-	-	60.6	70
														3.5	-	65	70
														-	1.2	62.1	70
														3.5	1.2	66.5	70
DBC1507V	575/3/60	2	7.4	50	2	0.5	1	2-speed Belt-Drive Standard Static	3	3.5	-	-	-	-	-	22.2	25
											-	-	-	3.5	-	25.7	30
											-	-	-	-	1.2	23.4	25
											-	-	-	3.5	1.2	26.9	30
											EH*B-7M16	15	14.4	-	-	22.4	25
														3.5	-	26.8	30
														-	1.2	23.9	25
														3.5	1.2	28.3	30
											EH*B-7M31	30	28.9	-	-	40.5	45
														3.5	-	44.8	45
														-	1.2	42	45
														3.5	1.2	46.3	50
											EH*B-7M46	45	43.3	-	-	58.5	60
														3.5	-	62.9	70
														-	1.2	60	70
														3.5	1.2	64.4	70



Model Size	DIM "A"
DBC090-150	57 9/20

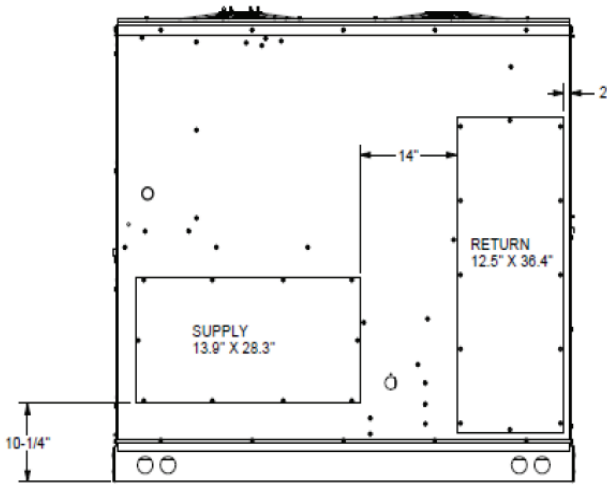




BOTTOM VIEW OF UNIT
VERTICAL DISCHARGE

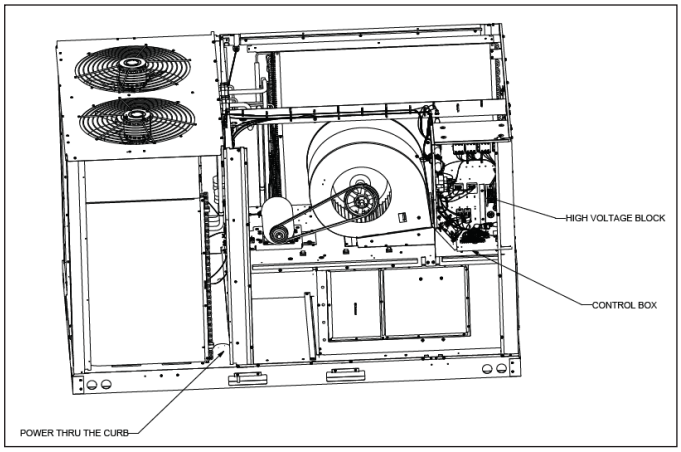
BOTTOM VIEW OF UNIT

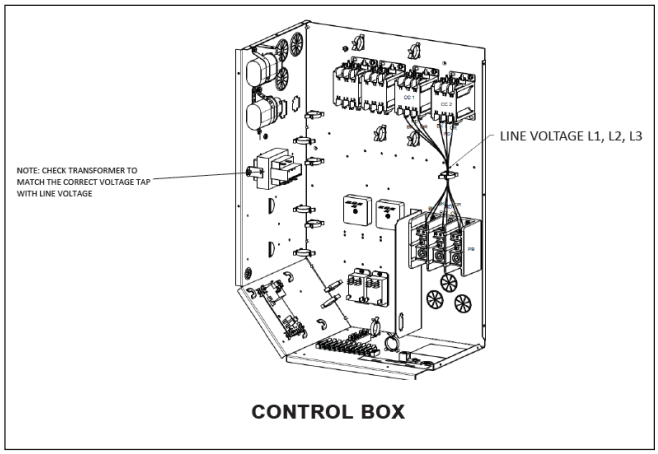
VERTICAL DISCHARGE



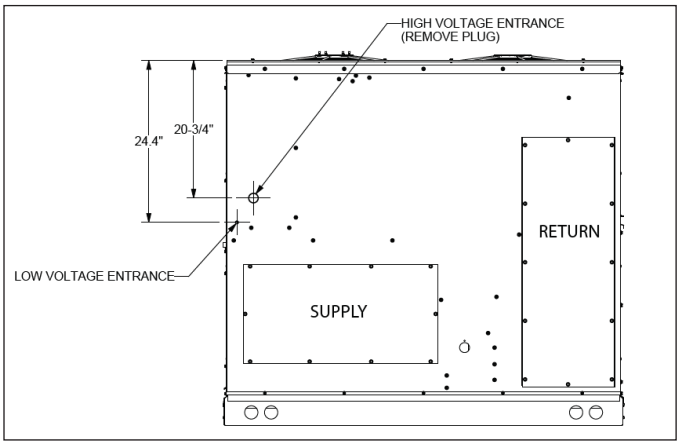
HORIZONTAL DISCHARGE

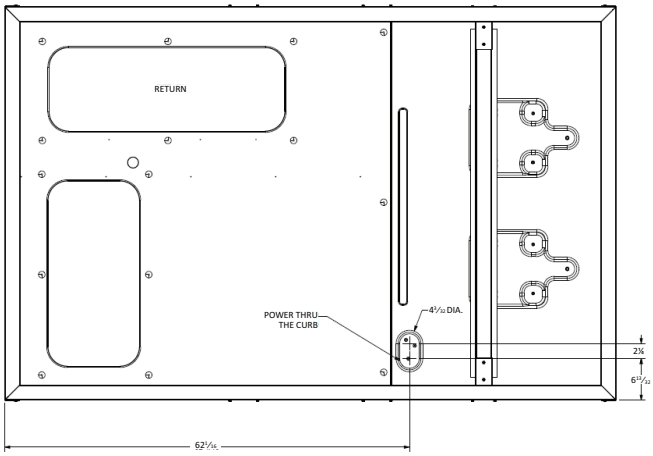
Electrical Connections





CONTROL BOX

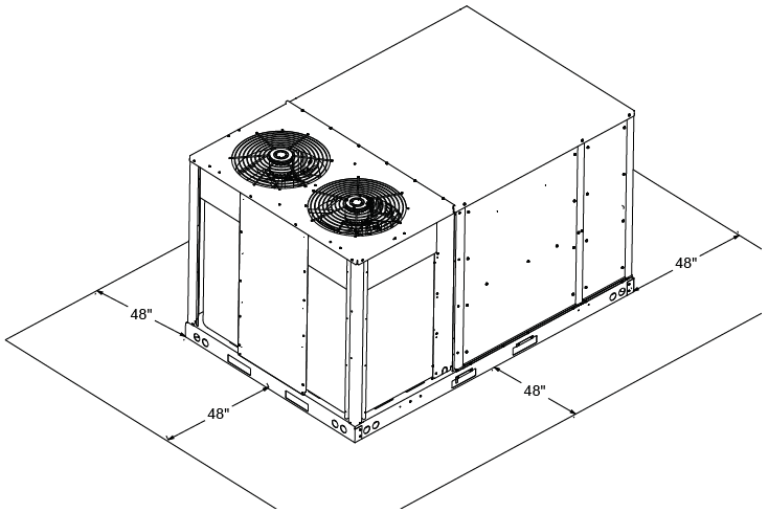




Unit Clearances

Service Clearance

Allow for recommended service clearances as shown in figure to the right. In situations that have multiple units, a 36" minimum clearance is required between the condenser coils. A clearance of 48" is recommended on all sides of the unit to allow service access and to ensure proper ventilation and condenser airflow. The top of the unit should be unobstructed. Provide a roof walkway along the sides of the unit for service and access to controls and components. Contact your Daikin sales representative for service requirements less than those recommended.



UNIT CLEARANCES

Unit Location

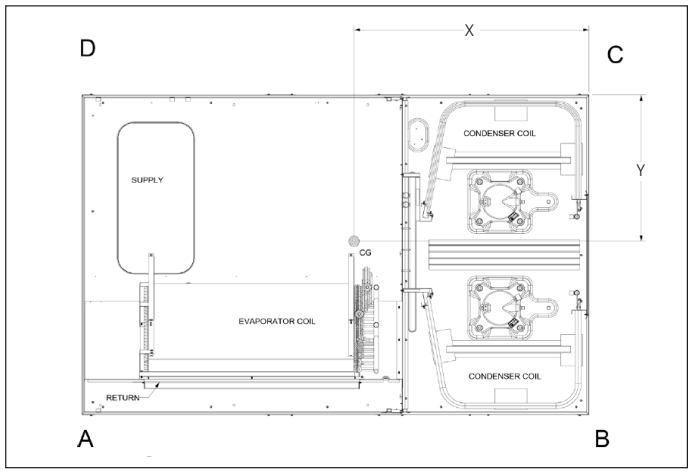
The structural engineer must verify that the roof has adequate support and ability to minimize deflection. Take extreme caution when using on a wooden roof structure. Unit condenser coils should be in a location that avoids any heated exhaust air.

Allow sufficient space around the unit for maintenance/service clearance. Consult your Daikin sales representative if available clearances do not meet minimum recommendations.

Where code considerations, such as the NEC, require extended clearances, these take precedence.

Provisions for forks have been included in the unit base frame. No other fork locations are approved.

- Unit must be lifted by the four lifting holes located at the base frame corners.
- Lifting cables should be attached to the unit with shackles.
- The distance between the crane hook and the top of the unit must not be less than 60".
- Two spreader bars must span over the unit to prevent damage to the cabinet by the lift cables. Spreader bars must be of sufficient length so that cables do not come in contact with the unit during transport. Remove wood struts mounted beneath unit base frame before setting unit on roof curb. These struts are intended to protect unit base frame from forklift damage. To remove the struts, extract the sheet metal retainers and pull the struts through the base of the unit. Refer to rigging label on the unit.



CORNER & CENTER-OF-GRAVITY LOCATIONS

Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Refer to the Roof Curb Installation Instructions for proper curb installation. Curbing must be installed in compliance with the National Roofing Contractors Association Manual. Lower unit carefully onto roof mounting curb. While rigging the unit, the center of gravity will cause the condenser end to be lower than the supply air end. Bring condenser end of unit into alignment with the curb. With condenser end of the unit resting on curb member and using curb as a fulcrum, lower opposite end of the unit until entire unit is seated on the curb. When a rectangular cantilever curb is used, take care to center the unit. Check for proper alignment and orientation of supply and return openings with duct.

Roof Curb Installation

The roof curb is field-assembled and must be installed level (within 1/16" per foot side to side). A sub-base must be constructed by the contractor in applications involving pitched roofs. Gaskets are furnished and must be installed between the unit and curb. For proper installation, follow NRCA guidelines. In applications requiring post and rail installation, an I-beam securely mounted on multiple posts should support the unit on each side. In addition, the insulation on the underside of the unit should be protected from the elements. Applications in geographic areas subjected to seismic or hurricane conditions must meet code requirements for fastening the unit to the curb and the curb to the building structure. For further and more detailed information please refer to our Daikin Light Commercial Packaged unit IOD.

Weights

Model	Shipping Weight (lbs)	Operating Weight (lbs)	Corner Weights (lbs)				Length	Width
			A	B	C	D	X (in)	Y (in)
DBC090	1095	1015	154	339	229	373	44	27
DBC102	1106	1026	205	315	273	128	49	28
DBC120	1159	1070	166	331	224	349	45	30
DBC150	1288	1208	211	381	289	349	41	28

Accessories

Field Accessory part number	Description	Fits Model Sizes	Field-Installed	Factory-Installed	Operating Weight (lbs)
	Electric Heat Kits				
EHXB-3M15	Electric Heater, Belt-Drive, 208-230V, 3PH, 15kW	7.5/8.5 ton	√	√	
EHXB-3M16	Electric Heater, Belt-Drive, 208-230V, 3PH, 15kW	10/12.5 ton	√	√	
EHXB-3M30	Electric Heater, Belt-Drive, 208-230V, 3PH, 30kW	7.5/8.5 ton	√	√	
EHXB-3M31	Electric Heater, Belt-Drive, 208-230V, 3PH, 30kW	10/12.5 ton	√	√	
EHXB-3M45	Electric Heater, Belt-Drive, 208-230V, 3PH, 45kW	7.5/8.5 ton	√	√	
EHXB-3M46	Electric Heater, Belt-Drive, 208-230V, 3PH, 45kW	10/12.5 ton	√	√	
EHXB-4M15	Electric Heater, Belt-Drive, 460V, 3PH, 15kW	7.5/8.5 ton	√	√	
EHXB-4M16	Electric Heater, Belt-Drive, 460V, 3PH, 15kW	10/12.5 ton	√	√	
EHXB-4M30	Electric Heater, Belt-Drive, 460V, 3PH, 30kW	7.5/8.5 ton	√	√	
EHXB-4M31	Electric Heater, Belt-Drive, 460V, 3PH, 30kW	10/12.5 ton	√	√	
EHXB-4M45	Electric Heater, Belt-Drive, 460V, 3PH, 45kW	7.5/8.5 ton	√	√	
EHXB-4M46	Electric Heater, Belt-Drive, 460V, 3PH, 45kW	10/12.5 ton	√	√	
EHXB-7M15	Electric Heater, Belt-Drive, 575V, 3PH, 15kW	7.5/8.5 ton	√	√	
EHXB-7M16	Electric Heater, Belt-Drive, 575V, 3PH, 15kW	10/12.5 ton	√	√	
EHXB-7M30	Electric Heater, Belt-Drive, 575V, 3PH, 30kW	7.5/8.5 ton	√	√	
EHXB-7M31	Electric Heater, Belt-Drive, 575V, 3PH, 30kW	10/12.5 ton	√	√	
EHXB-7M45	Electric Heater, Belt-Drive, 575V, 3PH, 45kW	7.5/8.5 ton	√	√	
EHXB-7M46	Electric Heater, Belt-Drive, 575V, 3PH, 45kW	10/12.5 ton	√	√	
	Duct Smoke Detectors				
	Smoke Detectors - Return	7.5-10 ton		√	
	Smoke Detectors - Return	12.5 ton		√	
	Smoke Detectors - Supply	7.5-12.5 ton		√	
	Smoke Detectors - Supply and Return	7.5-10 ton		√	
	Smoke Detectors - Supply and Return	12.5 ton		√	
	Non-Fused Disconnect Switch				
	60 Amp Disconnect	7.5-12.5 ton		√	
	100 Amp Disconnect	7.5-12.5 ton		√	
	150 Amp Disconnect	7.5-12.5 ton		√	
	250 Amp Disconnect	7.5-12.5 ton		√	
	Convenience Outlets				
	Convenience Outlets - Powered, 208/230 V	7.5-12.5 ton		√	47
	Convenience Outlets - Powered, 460 V	7.5-12.5 ton		√	47
	Convenience Outlets - Powered, 575 V	7.5-12.5 ton		√	47
	Convenience Outlets - Non-Powered	7.5-12.5 ton		√	2
	Hinged Access Panels				
	Hinged Access Panels	7.5-12.5 ton		√	
	Economizer				
0270L01760	Horizontal Economizer Ultra Low-Leak JADE® Enthalpy Sensor	7.5-12.5 ton	√		128
0270L01130	Horizontal Economizer Ultra Low-Leak *JADE* Dry-Bulb	7.5-12.5 ton	√		128
0270L01754	Downflow Economizer Standard Low-Leak *JADE* Enthalpy Sensor	7.5-12.5 ton	√	√	103
0270L01756	Downflow Economizer Ultra Low-Leak *JADE* Enthalpy Sensor	7.5-12.5 ton	√	√	103
0270L01123	Downflow Economizer Standard Low-Leak *JADE* Dry-Bulb	7.5-12.5 ton	√	√	103
0270L01125	Downflow Economizer Ultra Low-Leak *JADE* Dry-Bulb	7.5-12.5 ton	√	√	103

Accessories

Field Accessory part number	Description	Fits Model Sizes	Field-Installed	Factory-Installed	Operating Weight (lbs)
	Curbs and Restraint Clips				
0270L01153	Roof Curb 14" Tall, Knocked Down	7.5-12.5 ton	√		116
0270L01154	Roof Curb 24" Tall, Knocked Down	7.5-12.5 ton	√		174
0270L01262	Hold Down Bracket Kit	7.5-12.5 ton	√		8
0270L01251	Hold Down Bracket Kit for Daikin Roof curb	7.5-12.5 ton	√		8
0221L00017	14" Tall Seismic Curb	7.5-12.5 ton	√		120
0221L00018	14" Tall Wind-Rated/Hurricane Curb	7.5-12.5 ton	√		160
	Concentrics				
0221L00011	Concentric Diffuser 30 x 48 with 20" Dia. collars	7.5/8.5 ton	√		
0221L00012	Concentric Diffuser 36 x 48 with 18 x 28 duct size	10 ton	√		
0221L00013	Concentric Diffuser 42 x 48 with 18 x 32 duct size	12.5 ton	√		
0270L01336	Concentric adaptor for curb - 20" collar	7.5/8.5 ton	√		40
0270L01768	Concentric adaptor for curb - 18 x 28 duct size	10 ton	√		56
0270L01769	Concentric adaptor for curb - 18 x 32 duct size	12.5 ton	√		54
	Damper				
0270L01132	2 Position Motorized Damper	7.5-12.5 ton	√		57
0270L01133	Manual Outdoor Air Damper	7.5-12.5 ton	√		41
	Hail Guard Kits				
HAILGD090120HE	Condenser Coil Hail Guards	7.5-12.5 ton	√	√	
	Crankcase Heater Kits				
HECH90150230	Crankcase Heater Kit 230V	7.5-12.5 ton	√		2
HECH90150460	Crankcase Heater Kit 460V	7.5-12.5 ton	√		2
HECH90150575	Crankcase Heater Kit 575V	7.5-12.5 ton	√		2
	High-Efficiency Filters				
0160L00271	High-Efficiency MERV 8 Air Filter Kit - 20x25x2 (qty 4)	7.5/8.5/12.5 ton	√		4
0160L00270	High-Efficiency MERV 8 Air Filter Kit - 20x20x2 (qty 4)	10 ton	√		4
0160L00202	High-Efficiency MERV 13 Air Filter Kit - 20x25x2 (qty 4)	7.5/8.5/12.5 ton	√		4
0160L00201	High-Efficiency MERV 13 Air Filter Kit - 20x20x2 (qty 4)	10 ton	√		4
	Misc Accessories				
TTBCKHE02	Through the Base Connections	7.5-12.5 ton	√	√	1
3PMKP2	Phase Monitor Kit	7.5-12.5 ton	√	√	2
0270L01233	Burglar bars Inserts	7.5-12.5 ton	√		28
	Power Exhaust				
0270L01134	Power Exhaust Prop Downflow Economizer 208/230 V	7.5-12.5 ton	√		94
0270L01137	Power Exhaust Prop Horizontal Economizer 208/230 V	7.5-12.5 ton	√		76
0270L01135	Power Exhaust Prop Downflow Economizer 460 V	7.5-12.5 ton	√		94
0270L01138	Power Exhaust Prop Horizontal Economizer 460 V	7.5-12.5 ton	√		76
	Controls, Thermostats and Sensors				
DT4272C	Comm Touch Digital Stat w/ Wi-Fi 4h/2c	7.5-12.5 ton	√		1
DT4273C	Comm Touch Digital Stat w/ Wi-Fi & Humidity Control 4h/2cc	7.5-12.5 ton	√		1
TSTATGAC-WS	Remote indoor sensor	7.5-12.5 ton	√		1
250803400	AppStat™ RTU 2H/2C Econ	7.5-12.5 ton	√		1
250803600	AppStat™ RTU 3H/2C Econ (HP only)	7.5-12.5 ton	√		1
D4271C	4h/2c Commercial 7 day Programmable Wi-Fi Capable thermostat	7.5-12.5 ton	√		1
D4272C	4h/2c Commercial 7 day Programmable Wi-Fi Capable Hum/dehum thermostat	7.5-12.5 ton	√		1
C7232B1022	CO_2 Sensor (Duct Mtd)	7.5-12.5 ton	√		1

Note: Where multiple variations are available, the heaviest combination is listed.

Factory Installed Options

» **Non-Powered Convenience Outlet:** A 120V, 15A, GFCI outlet can be installed in the unit making it easier for technicians to service other units once an electrician runs power to the outlet. Outlet shall be factory-installed and internally mounted with easily accessible 120-v female receptacle. Transformer not included for this option. Outlet shall include a field-installed "While-in-Use" cover.

» **High-Static Kit:** Allows for operation in higher static applications.

» **Powered Convenience Outlet:** A 120V, 15A, GFCI outlet can be powered with a step-transformer built into the unit. For use when the unit is not running. When a factory-installed powered convenience outlet is installed in the equipment, the unit MCA (Min. Circuit Ampacity) will increase by 7.5A for 208/230V units; increase by 3.75A for 460V units; and by 3A for 575V units. The MOP (Max. Overcurrent Protection) device must be sized accordingly. Outlet shall be powered from main line power to the rooftop unit. Outlet shall include a field-installed "While-in-Use" cover.

» **Return Air and/or Supply Air Smoke Detectors:** Return air and/or supply air smoke detectors can be installed in the unit. To safely identify the presence of smoke inside the air conditioning system and shutdown the blower to prevent the smoke to disperse into different zones.

» **Disconnect Switch (non-fused):** A disconnect switch can be installed in the unit with factory wiring complete from the switch to the unit. Please note that for air conditioner and heat pump units, the appropriate electric heat kit must be ordered along with the disconnect switch (non-fused) to be factory-installed. For models with a powered convenience outlet option and a disconnect switch (non-fused) option, the power to the powered convenience outlet will be shut off when the disconnect switch (non-fused) is in the off position. National Electric Code (NEC) and UL approved non-fused switch shall provide unit power shutoff. The switch shall be accessible from outside of the unit and provide local shutdown and lockout capability.

» **Hinged Access Panels:** Allows access to unit's major components. Combined with latches for easy access to control box, compressor, filters and blower motor.

» **Through-the-base electrical connection:** Allows an easy and fast field installation through the unit base pan.

» **Electromechanical Controls:** Basic controls that include terminal block for unit connectivity to T-Stat.

Field Installed Options

» **Manual Fresh Air Damper:** Manual damper package shall consist of damper, air inlet screen, and rain hood which can be preset to admit up to 25% outdoor air for year round ventilation.

» **Motorized Fresh Air Damper:** A two-position damper with rain hood and screen provides up to 50% outside air when the indoor fan starts and closes when the indoor fan shuts down. Consist of actuator, damper, air inlet screen, and rain hood. Damper shall close upon indoor (evaporator) fan shutoff and/or loss of power. The damper actuator shall plug into the rooftop unit's wiring harness plug. No hard wiring shall be required.

» **Power Exhaust:** Power exhaust shall be used in conjunction with an integrated economizer. This accessory exhausts return air and may be used in either downflow or horizontal (duct-mounted) applications. Horizontal power exhaust shall be mounted in return ductwork. Power exhaust shall be controlled by economizer controller operation. Exhaust fans shall be energized when dampers open past the 0-100% adjustable setpoint on the economizer control.

» **Horizontal Economizer:** Fully modulating between 0 and 100%, contain seals that meet ASHRAE 90.1 requirements. Includes motor and dampers, minimum position settings, preset linkage, wiring harness with plug, mixed air temperature sensor, and enthalpy control. An optional duct-mounted barometric relief damper is available. An optional return enthalpy sensor is available to provide comparative or differential enthalpy control. Damper blades shall be galvanized steel with composite gears. Plastic or composite blades on intake or return shall not be acceptable. Standard leak rate shall be equipped with dampers not to exceed 2% leakage at 1 in. wg pressure differential. Ultra Low Leak design meets California Title 24 section 140.4 and ASHRAE 90.1 requirements for 4 cfm per sq.ft. on the outside air dampers and 10 cfm per sq. ft. on the return dampers. Shall be designed to close damper(s) during loss-of-power situations with spring return built into motor. Economizer controller shall accept a 2-10 Vdc $C0_2$ sensor input for IAQ/DCV control. In this mode, dampers shall modulate the outdoor air damper to provide ventilation based on the sensor input.

» Economizer controller shall be Honeywell® JADE® W7220 that provides:

- 2-line LCD interface screen for setup, configuration and troubleshooting.
- On-board Fault Detection and Diagnostics (FDD) that senses and alerts when the economizer is not operating properly, per California Title 24.
- Sensor failure loss of communication identification
- Automatic sensor detection
- Capabilities for use with multiple-speed indoor fan systems
- Utilize digital sensors: Dry bulb and Enthalpy
- Economizer controller shall provide indications when in free cooling mode, in the DCV mode, or the exhaust fan contact is closed.

- **Roof curbs:** Full perimeter roof curb with exhaust capability providing separate air streams for energy recovery from the exhaust air without supply air contamination. Two different heights 14" and 24", allows proper installation and structure stability. Formed galvanized steel with wood nailer strip and shall be capable of supporting entire unit weight.
- **Concentric duct kits:** Designed to provide a single-point air distribution system with the added benefit of having directional air control.
- **Restraint mounting clips*:*** Allows for installation reinforcement for Hurricane and/or seismic events.
- **$C0_2$ sensor:** Sensor designed to alarm the system when the CO_2 levels are outside safe parameters.
- **Burglar Bar Sleeves**: Designed to prevent the access thru the return or supply ducting inside the unit.
- **Downflow square to round adapter 18":** Installed into a recessed portion of the roof curb, the concentric duct adaptor changes the orientation of the ductwork from square to round for applications utilizing that type of ducting system.
- **Side discharge concentric diffuser system:** The Concentric diffuser system is an all in one supply and return duct free arrangement for RTU systems. This system comes with two separate duct connections, one for a supply and another for a return.
- **Remote indoor sensor:** Remote sensor to monitor the temperature on zones away from the main thermostat.
- **Drain pan overflow switch:** Allows the controls to detect and send an alarm when there is an overflow on the drain pan.
- **Freeze stat:** Temperature sensing device that monitors the heat exchange to prevent the coil from freezing.

Factory and Field Installed Options

- **Downflow Economizer:** Fully modulating between 0 and 100%, contain seals that meet ASHRAE 90.1 requirements. Includes motor and dampers, minimum position settings, a preset linkage, a wiring harness with plug, a mixed air temperature sensor, enthalpy control, and a barometric relief damper. An optional return enthalpy sensor is available to provide comparative or differential enthalpy control. Damper blades shall be galvanized steel with composite gears. Plastic or composite blades on intake or return shall not be acceptable. Standard leak rate shall be equipped with dampers not to exceed 2% leakage at 1 in. wg pressure differential. Ultra Low Leak design meets California Title 24 section 140.4 and ASHRAE 90.1 requirements for 4 cfm per sq.ft. on the outside air dampers and 10 cfm per sq. ft. on the return dampers. Shall be designed to close damper(s) during loss-of-power situations with spring return built into motor. Economizer controller shall accept a 2-10 Vdc CO_2 sensor input for IAQ/DCV control. In this mode, dampers shall modulate the outdoor air damper to provide ventilation based on the sensor input. Economizer controller shall be Honeywell® W7220 that provides:
- Economizer controller shall be *Honeywell* W7220 that provides:
  - 2-line LCD interface screen for setup, configuration and troubleshooting.
  - On-board Fault Detection and Diagnostics (FDD) that senses and alerts when the economizer is not operating properly, per California Title 24.
  - Sensor failure loss of communication identification
  - Automatic sensor detection
  - Capabilities for use with multiple-speed indoor fan systems
  - Utilize digital sensors: Dry bulb and Enthalpy
  - Economizer controller shall provide indications when in free cooling mode, in the DCV mode, or the exhaust fan contact is closed.
- **Allows cooling operation** down to 0°F outdoor ambient temperature.
- **Phase Monitor:** Phase monitor (3-Phase only) shall provide protection for motors and compressors against problems caused by phase loss, phase reversal and phase unbalance. Phase monitor is equipped with an LED that provides an ON or FAULT indicator.
- **Condenser Hail Guards:** Louvered metal guards help protect the condenser coil from hail and debris; available as a field-installed options on 3 – 12½ ton units.

Notes

Notes