

7½ - 12½ TON PACKAGED HEAT PUMP UP TO 11.5 EER & 3.4 COP

Cooling Capacity: 90,000 — 140,000 BTU/h

Heating Capacity: 90,000 — 142,000 BTU/h



*Model shown is a gas/electric

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■ Standard Features

- High-efficiency scroll compressors
- Two-stage cooling
- Copper tube / aluminum fin coils
- Power block for field wiring
- High-capacity, steel-cased filter drier
- Single-point entry
- 24-volt terminal strip
- Convertible airflow orientation
- Easy to service
- Built-in filter rack with standard 2” filters
- AHRI Certified; ETL Listed
- Units meet the performance outlined in Table 6.8.1-2 of ASHRAE Standard 90.1-2013

■ Cabinet Features

- Heavy-gauge, galvanized-steel cabinet with UV-resistant powder-paint finish
- Full perimeter rail
- Sloped drain pan



* Complete warranty details available from your local dealer or at www.daikincomfort.com.

| | D | C | H | 090 | 045 | 3 | V | * | * | * | A | * |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|-------|-------|----|----|----|----|----|----|----|
| | 1 | 2 | 3 | 4,5,6 | 7,8,9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| REVISION LEVELS | | | | | | | | | | | | |
| Major & Minor | | | | | | | | | | | | |
| FACTORY-INSTALLED OPTIONS | | | | | | | | | | | | |
| BRAND | D Daikin | | | | | | | | | | | |
| CONFIGURATION | C Standard Efficiency (6 - 25 Tons) S Standard Efficiency (3 - 5 Tons) T High Efficiency (3 - 5 Tons) | | | | | | | | | | | |
| APPLICATION | C Cooling ¹ G Gas Heat H Heat Pump ¹ | | | | | | | | | | | |
| NOMINAL COOLING CAPACITY | 036 3 Tons 102 8½ Tons 300 25 Tons 048 4 Tons 120 10 Tons 060 5 Tons 150 12½ tons 072 6 Tons 180 15 Tons 090 7½ Tons 240 20 Tons | | | | | | | | | | | |
| NOMINAL HEATING CAPACITY | Gas/Electric A/C H/P Factory-Installed Electric Heat 045 45,000 BTU/h XXX No Heat 090 90,000 BTU/h 010 10 kW 030 30 kW 115 115,000 BTU/h 015 15 kW 031 30 kW 140 140,000 BTU/h 016 15 kW 045 45 kW 210 210,000 BTU/h 018 18 kW 046 45 kW 350 350,000 BTU/h 020 20 kW 060 60 kW 400 400,000 BTU/h 025 25 kW | | | | | | | | | | | |
| See product specifications for heat size(s) available for each capacity. | | | | | | | | | | | | |
| VOLTAGE | 1 208-230/1/60 (DS* & DT* 3-5 Tons models only) 4 460/3/60 3 208-230/3/60 7 575/3/60 | | | | | | | | | | | |
| SUPPLY FAN/DRIVE TYPE/MOTOR | B Belt Drive (3-5 Tons single speed models only) V Two-Speed Belt Drive (6-25 Tons only) D Direct Drive (3-5 Tons single speed models only) H High Static (3-5 Tons single-speed Belt Drive models only) W High Static (6-25 Tons two-speed Belt Drive models only) | | | | | | | | | | | |
| FACTORY-INSTALLED OPTIONS | | | | | | | | | | | | |
| A | Ultra Low-Leak Downflow Economizer | | | | | | | | | | | |
| B | DDC-BACnet protocol | | | | | | | | | | | |
| F | Ultra Low-Leak Downflow Economizer; DDC-BACnet protocol | | | | | | | | | | | |
| H | Disconnect Switch (non-fused) | | | | | | | | | | | |
| J | Ultra Low-Leak Downflow Economizer; Disconnect Switch (non-fused) | | | | | | | | | | | |
| M | Disconnect Switch (non-fused); DDC-BACnet protocol | | | | | | | | | | | |
| R | Ultra Low-Leak Downflow Economizer; DDC-BACnet protocol; Disconnect Switch (non-fused) | | | | | | | | | | | |
| V | Low-Leak Downflow Economizer | | | | | | | | | | | |
| W | Low-Leak Downflow Economizer Disconnect Switch (non-fused) | | | | | | | | | | | |
| X | No Options | | | | | | | | | | | |
| FACTORY-INSTALLED OPTIONS | | | | | | | | | | | | |
| X | Standard Aluminized Heat Exchanger | | | | | | | | | | | |
| S | Stainless-Steel Heat Exchanger | | | | | | | | | | | |
| D | Hinged Panels | | | | | | | | | | | |
| K | Stainless-Steel Heat Exchanger; Hinged Panels | | | | | | | | | | | |
| B | Phase Monitor | | | | | | | | | | | |
| J | Stainless Steel Heat Exchanger; Phase Monitor | | | | | | | | | | | |
| M | Hinged Panel; Phase Monitor | | | | | | | | | | | |
| L | Stainless-Steel Heat Exchanger; Hinged Panels; Phase Monitor | | | | | | | | | | | |
| X | No Options | | | | | | | | | | | |
| A | Non-powered convenience outlet | | | | | | | | | | | |
| B | Powered convenience outlet | | | | | | | | | | | |
| C | Low-ambient kit | | | | | | | | | | | |
| D | Return air smoke detector | | | | | | | | | | | |
| E | Supply air smoke detector | | | | | | | | | | | |
| F | Non-powered convenience outlet; Low-ambient kit | | | | | | | | | | | |
| G | Non-powered convenience outlet; Return air smoke detector | | | | | | | | | | | |
| H | Non-powered convenience outlet; Supply air smoke detector | | | | | | | | | | | |
| J | Non-powered convenience outlet; Return & Supply air smoke detectors | | | | | | | | | | | |
| K | Non-powered convenience outlet; Low-ambient kit; Supply air smoke detector | | | | | | | | | | | |
| L | Non-powered convenience outlet; Low-ambient kit Return & Supply air smoke detectors | | | | | | | | | | | |
| M | Powered convenience outlet; Low-ambient kit | | | | | | | | | | | |
| N | Powered convenience outlet; Return air smoke detector | | | | | | | | | | | |
| O | Powered convenience outlet; Return & Supply air smoke detectors | | | | | | | | | | | |
| P | Powered convenience outlet; Supply air smoke detector | | | | | | | | | | | |
| Q | Powered convenience outlet; Low-ambient kit; Return air smoke detector | | | | | | | | | | | |
| R | Powered convenience outlet; Low-ambient kit; Supply air smoke detector | | | | | | | | | | | |
| T | Powered convenience outlet; Low-ambient kit; Return & Supply air smoke detectors | | | | | | | | | | | |
| U | Non-powered convenience outlet; Low-ambient kit; Return air smoke detector | | | | | | | | | | | |
| V | Low-ambient kit; Return air smoke detector | | | | | | | | | | | |
| W | Low-ambient kit; Supply air smoke detector | | | | | | | | | | | |
| Y | Low-ambient kit; Return & Supply air smoke detectors | | | | | | | | | | | |
| Z | Return & Supply air smoke detectors | | | | | | | | | | | |

Note: Not all options available for all products.

¹X= No Options in character 13th

FACTORY-INSTALLED OPTIONS

- **Stainless-Steel Heat Exchanger (Gas units only):** A tubular heat exchanger made of 409-type stainless steel is installed in the unit.
- **Low-Ambient Kit:** Allows for cooling operation at lower outdoor temperatures. On the 3- to 6-ton units, cooling operation is extended from 60°F ambient temperature to 35°F outside air temperature. On 7½ -20 ton units, cooling operation is extended from 35°F ambient temperature to 0°F outside air temperature. For 25 ton units, cooling operation is extended from 24°F ambient temperature to 0°F outside air temperature.
- **Economizers (Downflow):** Based on air conditions, can provide outside air to cool the space.
- **Electric Heat Kits (AC and heat pump units only):** Available in all voltage options.
- **Non-powered Convenience Outlet:** A 120V, 15A, GFCI outlet makes it easier for technicians to service the unit once an electrician runs power to the outlet.
- **Powered Convenience Outlet:** A 120V, 15A, GFCI outlet powered with a transformer built into the unit. When a factory-installed powered convenience outlet is installed in the equipment, the unit MCA (Min. Circuit Ampacity) will increase by 7.2A/6.5A for 208/230V units, increase by 3.3A for 460V units, and by 2.6A for 575V units. The MOP (Max. Overcurrent Protection) device must be sized accordingly.
- **Disconnect Switch (non-fused; 3-phase units only):** A disconnect switch is installed in the unit and factory wiring will be complete from the switch to the unit. Please note that for air conditioning (DSC units) and heat pump models (DSH units), the appropriate electric heat kit must be ordered to be factory-installed along with the disconnect switch (non-fused) when it is ordered. Please note that 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.
- **Return Air and/or Supply Air Smoke Detectors:** Return air and/or supply air smoke detectors are installed in the unit.
- **Hinged Access Panels:** Allows access to unit's major components. Combined with latches for easy access to control box, compressor, filters and blower motor. Available on all units.
- **Phase Monitor:** Phase monitor (3 phase only), available for 3 - 25 ton DS, DC and DT series models. Phase monitor 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.
- **DDC Controller:** DDC communicating controller, available for 3 - 25 ton DS, DC and DT series models with on-board BACnet® communication interface.
- **High static belt drive assembly, factory installed.**

| | DCH090 ***3V***A* | DCH090 ***4V***A* | DCH090 ***7V***A* |
|--------------------------------------------------|----------------------|----------------------|----------------------|
| Cooling Capacity | | | |
| Total BTU/h | 90,000 | 90,000 | 90,000 |
| Sensible BTU/h | 65,700 | 65,700 | 65,700 |
| EER / IEER | 11.5 / 12.8 | 11.5 / 12.8 | 11.5 / 12.8 |
| Decibels | 83 | 83 | 83 |
| AHRI Reference #s | 7041912 | 7041912 | 7041912 |
| Heating Capacity | | | |
| BTU/h / COP (47° F) | 90,000 / 3.4 | 90,000 / 3.4 | 90,000 / 3.4 |
| BTU/h / COP (17° F) | 52,000 / 2.4 | 52,000 / 2.4 | 52,000 / 2.4 |
| Evaporator Motor / Coil | | | |
| Motor Type | 2-speed Belt Drive | 2-speed Belt Drive | 2-speed Belt Drive |
| Indoor Nominal CFM | 3,000 | 3,000 | 3,000 |
| Indoor Motor FLA (Cooling) | 6.0 | 2.9 | 2.4 |
| Horsepower - RPM | 2.0/1740-1160 | 2.0/1740-1160 | 2.0/1745-1170 |
| Piston Size (Cooling) | 0.076 | 0.076 | 0.078 |
| Filter Size (Qty) | (4) 16" x 24" x 2" | (4) 16" x 24" x 2" | (4) 16" x 24" x 2" |
| Drain Size (NPT) | ¾" | ¾" | ¾" |
| R-410A Refrigerant Charge: Cir #1/ #2 | 220 oz. | 220 oz. | 200 oz. |
| Evaporator Coil Face Area (ft²) | 10.2 | 10.2 | 10.2 |
| Rows Deep / Fins per Inch | 4/16 | 4/16 | 4/16 |
| Belt Drive Evap Fan Data | | | |
| # of Wheels (D x W) | 1 (15" x 12") | 1 (15" x 12") | 1 (15" x 12") |
| Motor Sheave / Blower Sheave | VL40 / AK74 | VL40 / AK74 | VL40 / AK74 |
| Belt | AX51 | AX51 | AX51 |
| Condenser Fan / Coil | | | |
| Quantity of Condenser Fan Motors | 2 | 2 | 2 |
| Horsepower - RPM | ¼ - 1090 | ¼ - 890 | ¼ - 1075 |
| Fan Diameter / # Fan Blades | 22 / 4 | 22 / 4 | 22 / 4 |
| Outdoor Nominal CFM | 0 | 0 | 0 |
| Face Area (ft²) | 7,600 | 7,600 | 7,600 |
| # Coils / Rows Deep - Fins per Inch | 2/2/20 | 2/2/20 | 2/2/20 |
| Piston Size (Heating) | 0.052 | 0.052 | 0.052 |
| Compressor | | | |
| Quantity / Type / Stage | 2 / Scroll / 1 | 2 / Scroll / 1 | 2 / Scroll / 1 |
| Compressor RLA / LRA | 13.1 / 83.1 | 6.1 / 41.0 | 4.4 / 33.0 |
| Electrical Data | | | |
| Voltage / Phase / Frequency | 208/230-3-60 | 460-3-60 | 575-3-60 |
| Indoor Blower HP / FLA | 2/6.0 | 2/2.9 | 2/2.4 |
| Max External Static | 1.0" | 1.0" | 1.0" |
| Outdoor Fan HP / FLA | ¼ / 1.4 | ¼ / 0.7 | ¼ / 0.55 |
| Min. Circuit Ampacity ¹ | 38.4 / 38.4 | 18 | 13.4 |
| Max. Overcurrent Protection (amps) ² | 50 / 50 | 20 | 15 |
| Entrance Power Supply & Entrance Control Voltage | Locating Dimple | Locating Dimple | Locating Dimple |
| Operating Weight (lbs) | 1,135 | 1,135 | 1,135 |
| Ship Weight (lbs) | 1,175 | 1,175 | 1,175 |

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.

| | DCH102 ***3V***A* | DCH102 ***4V***A* | DCH102 ***7V***A* |
|-------------------------------------------------|----------------------|----------------------|----------------------|
| COOLING CAPACITY | | | |
| Total, BTU/h | 100,000 | 100,000 | 100,000 |
| Sensible BTU/h | 69,000 | 69,000 | 69,000 |
| EER / IEER | 11.1 / 13.0 | 11.1 / 13.0 | 11.1 / 13.0 |
| Decibels | 83 | 83 | 83 |
| ARI Reference #s | 7370925 | 7370925 | 7370925 |
| HEATING CAPACITY | | | |
| BTU/h / COP (47° F) | 102,000 / 3.4 | 102,000 / 3.4 | 102,000 / 3.4 |
| BTU/h / COP (17° F) | 55,500 / 2.25 | 55,500 / 2.25 | 55,500 / 2.25 |
| EVAPORATOR MOTOR / COIL | | | |
| Motor Type | 2-speed Belt Drive | 2-speed Belt Drive | 2-speed Belt Drive |
| Indoor Nominal CFM | 3,400 | 3,400 | 3,400 |
| Indoor Motor FLA (Cooling) | 6.0 | 2.9 | 2.4 |
| Horsepower - RPM | 2.0/1740-1160 | 2.0/1740-1160 | 2.0/1745-1170 |
| Piston Size (Cooling) | 0.08 | 0.08 | 0.08 |
| Filter Size (in.) (Qty) | (4) 16 x 24 x 2 | (4) 16 x 24 x 2 | (4) 16 x 24 x 2 |
| Drain Size (NPT) | 3/4" | 3/4" | 3/4" |
| R-410A Refrigerant Charge Cir #1 & #2 (oz.) | 235/225 | 235/225 | 235/225 |
| Evaporator Coil Face Area (ft ²) | 10.2 | 10.2 | 10.2 |
| Rows Deep / Fins per Inch | 4 / 14 | 4 / 14 | 4 / 14 |
| BELT DRIVE EVAP FAN DATA | | | |
| # of Wheels (D x W) | 1 (15" x 12") | 1 (15" x 12") | 1 (15" x 12") |
| Motor Sheave / Blower Sheave | VL40 / AK74 | VL40 / AK74 | VL40 / AK74 |
| Belt | AX51 | AX51 | AX51 |
| CONDENSER FAN / COIL | | | |
| Quantity of Condenser Fan Motors | 2 | 2 | 2 |
| Horsepower - RPM | 1/4" - 1,090 | 1/4" - 890 | 1/4" - 1,075 |
| Fan Diameter / # Fan Blades | 22 / 4 | 22 / 4 | 22 / 4 |
| Outdoor Nominal CFM | 7,600 | 7,600 | 7,600 |
| Face Area (ft ²) | 32.4 | 32.4 | 32.4 |
| Rows Deep / Fins per Inch | 2 / 22 | 2 / 22 | 2 / 22 |
| Piston Size (Heating) | 0.059 | 0.059 | 0.059 |
| COMPRESSOR | | | |
| Quantity / Type / Stage | 2 / Scroll / 1 | 2 / Scroll / 1 | 2 / Scroll / 1 |
| Compressor RLA / LRA ea. | 14.5 / 98 | 6.3 / 55 | 6.0 / 41 |
| ELECTRICAL DATA / STATIC | | | |
| Voltage / Phase / Frequency | 208/230-3-60 | 460-3-60 | 575-3-60 |
| Standard Motor Max. External Static | 1" | 1" | 1" |
| Outdoor Fan FLA ea. | 1.4 | 0.7 | 0.55 |
| Min. Circuit Ampacity ¹ | 43.2 / 43.2 | 19.4 | 17.8 |
| Max. Overcurrent Protection (amps) ² | 50 / 50 | 25 | 20 |
| Entrance Power Supply & Control Voltage | Locating Dimple | Locating Dimple | Locating Dimple |
| OPERATING WEIGHT (LBS) | 1,285 | 1,285 | 1,285 |
| SHIP WEIGHT (LBS) | 1,310 | 1,310 | 1,310 |

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.

| | DCH120 ***3V***A* | DCH120 ***4V***A* | DCH120 ***7V***A* |
|-------------------------------------------------|----------------------|----------------------|----------------------|
| COOLING CAPACITY | | | |
| Total BTU/h | 113,000 | 113,000 | 113,000 |
| Sensible BTU/h | 84,700 | 84,700 | 84,700 |
| EER / IEER | 11.1 / 12.6 | 11.1 / 12.6 | 11.1 / 12.6 |
| Decibels | 83 | 83 | 83 |
| ARI Reference #s | 6345706 | 6345706 | 6345706 |
| HEATING CAPACITY | | | |
| BTU/h / COP (47° F) | 116,000 / 3.4 | 116,000 / 3.4 | 116,000 / 3.4 |
| BTU/h / COP (17° F) | 56,000 / 2.4 | 56,000 / 2.4 | 56,000 / 2.4 |
| EVAPORATOR MOTOR / COIL | | | |
| Motor Type | 2-speed Belt Drive | 2-speed Belt Drive | 2-speed Belt Drive |
| Indoor Nominal CFM | 3,500 | 3,500 | 3,500 |
| Indoor motor FLA (Cooling) | 6.4 | 3.0 | 2.4 |
| Horsepower - RPM | 2.0/1725 | 2.0/1750-1165 | 2.0/1750-1165 |
| Piston Size (Cooling) | 0.086 | 0.086 | 0.086 |
| Expansion Device | Orifice | Orifice | Orifice |
| Filter Size (in.) (Qty = 4) | 16 x 24 x 2 | 16 x 24 x 2 | 16 x 24 x 2 |
| Drain Size (NPT) | ¾" | ¾" | ¾" |
| R-410A Refrigerant Charge Cir #1 & #2 (oz.) | 225 / 225 | 225 / 225 | 225 / 225 |
| Evaporator Coil Face Area (ft²) | 10.2 | 10.2 | 10.2 |
| Rows Deep/ Fins per Inch | 4 / 14 | 4 / 14 | 4 / 14 |
| BELT DRIVE EVAP FAN DATA | | | |
| # of Wheels (D x W) | (1) 15" x 15" | (1) 15" x 15" | (1) 15" x 15" |
| Motor Sheave / Blower Sheave | VL40 / AK74 | VL40 / AK74 | VL40 / AK74 |
| Belt | AX50 | AX50 | AX50 |
| CONDENSER FAN / COIL | | | |
| Quantity of Condenser Fan Motors | 2 | 2 | 2 |
| Horsepower - RPM | ½ - 1,075 | ½ - 1,075 | ½ - 1,075 |
| Fan Diameter / # Fan Blades | 22 / 3 | 22 / 3 | 22 / 3 |
| Outdoor Nominal CFM | 8,200 | 8,200 | 8,200 |
| Face Area (ft²) | 32.4 | 32.4 | 32.4 |
| # Coils / Rows Deep - Fins per Inch | 2 / 2 - 22 | 2 / 2 - 22 | 2 / 2 - 22 |
| Piston Size (Heating) | 0.064 | 0.064 | 0.064 |
| COMPRESSOR | | | |
| Quantity / Type / Stage | 2 / Scroll / 1 | 2 / Scroll / 1 | 2 / Scroll / 1 |
| Compressor RLA / LRA ea. | 16 / 110.0 | 7.8 / 52.0 | 5.7 / 38.9 |
| ELECTRICAL DATA | | | |
| Voltage/Phase/ Frequency | 208/230-3-60 | 460-3-60 | 575-3-60 |
| Belt-Driven Standard Max Static | 1.4 | 1.4 | 1.4 |
| Outdoor Fan RLA ea. | 2.00 | 0.85 | 0.85 |
| Min. Circuit Ampacity ¹ | 46.3 / 46.3 | 22.2 | 16.6 |
| Max. Overcurrent Protection (amps) ² | 60 / 60 | 25 | 20 |
| Entrance Power Supply & Control Voltage | Locating Dimple | Locating Dimple | Locating Dimple |
| OPERATING WEIGHT (LBS) | 1285 | 1285 | 1285 |
| SHIP WEIGHT (LBS) | 1310 | 1310 | 1310 |

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.

| | DCH150 ***3V***A* | DCH150 ***4V***A* | DCH150 ***7V***A* |
|--------------------------------------------------|----------------------|----------------------|----------------------|
| COOLING CAPACITY | | | |
| Total, BTU/h | 140,000 | 140,000 | 140,000 |
| Sensible BTU/h | 98,000 | 98,000 | 98,000 |
| EER / IEER | 10.6 / 11.8 | 10.6 / 11.8 | 10.6 / 11.8 |
| Decibels | 83 | 83 | 83 |
| ARI Reference #s | 6885866 | 6885866 | 6885866 |
| HEATING CAPACITY | | | |
| BTU/h / COP (47° F) | 142,000 / 3.2 | 142,000 / 3.2 | 142,000 / 3.2 |
| BTU/h / COP (17° F) | 82,000 / 2.1 | 82,000 / 2.1 | 82,000 / 2.1 |
| EVAPORATOR MOTOR / COIL | | | |
| Motor Type | 2-speed Belt Drive | 2-speed Belt Drive | 2-speed Belt Drive |
| Indoor Nominal CFM | 4,000 | 4,000 | 4,000 |
| Indoor Motor FLA (Cooling) | 9.1 | 4.3 | 3.5 |
| Horsepower - RPM | 3.0/1760-1165 | 3.0/1760-1165 | 3.0/1760-1165 |
| Piston Size (Cooling) | 0.094 | 0.094 | 0.094 |
| Filter Size (in.) (Qty) | (4) 20 x 25 x 2 | (4) 20 x 25 x 2 | (4) 20 x 25 x 2 |
| Drain Size (NPT) | ¾" | ¾" | ¾" |
| R-410A Refrigerant Charge Cir #1 & #2 (oz.) | 301 / 301 | 301 / 301 | 301 / 301 |
| Evaporator Coil Face Area (ft ²) | 14.7 | 14.7 | 14.7 |
| Rows Deep / Fins per Inch | 4/7 | 4/7 | 4/7 |
| BELT DRIVE EVAP FAN DATA | | | |
| # of Wheels (D x W) | (1) 15" x 15" | (1) 15" x 15" | (1) 15" x 15" |
| Motor Sheave / Blower Sheave | VP44 / AK71 | VP44 / AK71 | VP44 / AK71 |
| Belt | AX48 | AX48 | AX48 |
| CONDENSER FAN / COIL | | | |
| Quantity of condenser Fan Motors | 2.0 | 2.0 | 2.0 |
| Horsepower - RPM | ½ - 1,075 | ½ - 1,075 | ½ - 1,075 |
| Fan Diameter / # Fan Blades | 22/ 3 | 22/ 3 | 22/ 3 |
| Outdoor Nominal CFM | 8,200 | 8,200 | 8,200 |
| Face Area (ft ²) | 35.3 | 35.3 | 35.3 |
| # Coils / Rows Deep - Fins per Inch | 2/3-15 | 2/3-15 | 2/3-15 |
| Piston Size (Heating) | 0.07 | 0.07 | 0.07 |
| COMPRESSOR | | | |
| Quantity / Type/ Stage | 2 / Scroll / 1 | 2 / Scroll / 1 | 2 / Scroll / 1 |
| Compressor RLA / LRA ea. | 22.4 / 149 | 10.6 / 75 | 7.7 / 54 |
| ELECTRICAL DATA / STATIC | | | |
| Voltage / Phase / Frequency | 208/230-3-60 | 460-3-60 | 575-3-60 |
| Standard Max Static | 1.4" | 1.4" | 1.4" |
| Outdoor Fan FLA ea. | 2.0 | 0.85 | 0.67 |
| Min. Circuit Ampacity ¹ | 63.6 / 63.6 | 29.8 | 22.2 |
| Max. Overcurrent Protection (amps) ² | 80 / 80 | 40 | 25 |
| Entrance Power Supply & Entrance Control Voltage | Locating Dimple | Locating Dimple | Locating Dimple |
| OPERATING WEIGHT (LBS) | 1325 | 1325 | 1325 |
| SHIP WEIGHT (LBS) | 1350 | 1350 | 1350 |

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.

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|-----------------------------|------|------|-------|-------|------|--------------------------------------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|--|--|----|--|--|--|--|--|----|--|--|--|--|--|----|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|--|--|-----|--|--|--|
| | | 65 | | | | | | | | 75 | | | | | | | | 85 | | | | | | | | 95 | | | | | | | | 105 | | | | | | | | 115 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | AIRFLOW | | | | | | ENTERING INDOOR WET BULB TEMPERATURE | | | | | | 59 | | | | | | 63 | | | | | | 67 | | | | | | 71 | | | | | | 75 | | | | | | 79 | | | | | | 83 | | | | | | 87 | | | | | | 91 | | | | | | 95 | | | | | | 99 | | | | | | 103 | | | | | | 107 | | | | | | 111 | | | | | | 115 | | | |
| 70 | 3375 | MBh | 88.2 | 91.4 | 100.2 | - | 86.1 | 89.3 | 97.8 | - | 84.1 | 87.2 | 95.5 | - | 82.0 | 85.0 | 93.2 | - | 77.9 | 80.8 | 88.5 | - | 72.2 | 74.8 | 82.0 | - | 77.9 | 80.8 | 88.5 | - | 72.2 | 74.8 | 82.0 | - | 77.9 | 80.8 | 88.5 | - | 72.2 | 74.8 | 82.0 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S/T | 0.73 | 0.61 | 0.42 | - | 0.76 | 0.63 | 0.44 | - | 0.78 | 0.65 | 0.45 | - | 0.80 | 0.67 | 0.47 | - | 0.83 | 0.70 | 0.48 | - | 0.84 | 0.70 | 0.49 | - | 0.83 | 0.70 | 0.48 | - | 0.84 | 0.70 | 0.49 | - | 0.83 | 0.70 | 0.48 | - | 0.84 | 0.70 | 0.49 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ΔT | 18 | 15 | 12 | - | 18 | 15 | 12 | - | 18 | 15 | 12 | - | 18 | 16 | 12 | - | 18 | 15 | 12 | - | 17 | 14 | 11 | - | 18 | 15 | 12 | - | 17 | 14 | 11 | - | 18 | 15 | 12 | - | 17 | 14 | 11 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | kW | 6.19 | 6.32 | 6.50 | - | 6.64 | 6.77 | 6.98 | - | 7.03 | 7.17 | 7.39 | - | 7.37 | 7.53 | 7.76 | - | 7.67 | 7.83 | 8.08 | - | 7.92 | 8.09 | 8.35 | - | 7.67 | 7.83 | 8.08 | - | 7.92 | 8.09 | 8.35 | - | 7.67 | 7.83 | 8.08 | - | 7.92 | 8.09 | 8.35 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Hi PR | 234 | 252 | 266 | - | 262 | 282 | 298 | - | 298 | 321 | 339 | - | 340 | 366 | 386 | - | 382 | 411 | 434 | - | 422 | 454 | 480 | - | 382 | 411 | 434 | - | 422 | 454 | 480 | - | 382 | 411 | 434 | - | 422 | 454 | 480 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Lo PR | 108 | 115 | 126 | - | 114 | 122 | 133 | - | 119 | 126 | 138 | - | 125 | 133 | 145 | - | 131 | 139 | 152 | - | 135 | 144 | 157 | - | 131 | 139 | 152 | - | 135 | 144 | 157 | - | 131 | 139 | 152 | - | 135 | 144 | 157 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3000 | MBh | 85.6 | 88.7 | 97.2 | - | 83.6 | 86.7 | 95.0 | - | 81.6 | 84.6 | 92.7 | - | 79.7 | 82.6 | 90.5 | - | 75.7 | 78.4 | 85.9 | - | 70.1 | 72.6 | 79.6 | - | 75.7 | 78.4 | 85.9 | - | 70.1 | 72.6 | 79.6 | - | 75.7 | 78.4 | 85.9 | - | 70.1 | 72.6 | 79.6 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S/T | 0.70 | 0.58 | 0.40 | - | 0.72 | 0.61 | 0.42 | - | 0.74 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.44 | - | 0.80 | 0.66 | 0.46 | - | 0.80 | 0.67 | 0.46 | - | 0.77 | 0.64 | 0.44 | - | 0.80 | 0.67 | 0.46 | - | 0.77 | 0.64 | 0.44 | - | 0.80 | 0.67 | 0.46 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ΔT | 18 | 16 | 12 | - | 19 | 16 | 12 | - | 19 | 16 | 12 | - | 19 | 16 | 12 | - | 19 | 16 | 12 | - | 17 | 15 | 11 | - | 18 | 16 | 12 | - | 17 | 15 | 11 | - | 18 | 16 | 12 | - | 17 | 15 | 11 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | kW | 6.15 | 6.27 | 6.45 | - | 6.59 | 6.72 | 6.92 | - | 6.98 | 7.12 | 7.34 | - | 7.32 | 7.47 | 7.70 | - | 7.61 | 7.77 | 8.01 | - | 7.86 | 8.03 | 8.28 | - | 7.61 | 7.77 | 8.01 | - | 7.86 | 8.03 | 8.28 | - | 7.61 | 7.77 | 8.01 | - | 7.86 | 8.03 | 8.28 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Hi PR | 231 | 249 | 263 | - | 260 | 279 | 295 | - | 295 | 318 | 336 | - | 336 | 362 | 382 | - | 378 | 407 | 430 | - | 418 | 450 | 475 | - | 378 | 407 | 430 | - | 418 | 450 | 475 | - | 378 | 407 | 430 | - | 418 | 450 | 475 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Lo PR | 107 | 114 | 124 | - | 113 | 120 | 132 | - | 118 | 125 | 137 | - | 124 | 132 | 144 | - | 130 | 138 | 150 | - | 134 | 143 | 156 | - | 130 | 138 | 150 | - | 134 | 143 | 156 | - | 130 | 138 | 150 | - | 134 | 143 | 156 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2400 | MBh | 79.0 | 81.9 | 89.7 | - | 77.2 | 80.0 | 87.7 | - | 75.4 | 78.1 | 85.6 | - | 73.5 | 76.2 | 83.5 | - | 69.8 | 72.4 | 79.3 | - | 64.7 | 67.1 | 73.5 | - | 69.8 | 72.4 | 79.3 | - | 64.7 | 67.1 | 73.5 | - | 69.8 | 72.4 | 79.3 | - | 64.7 | 67.1 | 73.5 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.67 | 0.56 | 0.39 | - | 0.70 | 0.58 | 0.40 | - | 0.72 | 0.60 | 0.41 | - | 0.74 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.44 | - | 0.77 | 0.65 | 0.45 | - | 0.77 | 0.64 | 0.44 | - | 0.77 | 0.65 | 0.45 | - | 0.77 | 0.64 | 0.44 | - | 0.77 | 0.65 | 0.45 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 20 | 18 | 13 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 13 | - | 19 | 17 | 13 | - | 21 | 18 | 13 | - | 19 | 17 | 13 | - | 21 | 18 | 13 | - | 19 | 17 | 13 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 6.01 | 6.13 | 6.31 | - | 6.44 | 6.57 | 6.76 | - | 6.81 | 6.95 | 7.16 | - | 7.15 | 7.29 | 7.52 | - | 7.43 | 7.58 | 7.82 | - | 7.67 | 7.83 | 8.08 | - | 7.43 | 7.58 | 7.82 | - | 7.67 | 7.83 | 8.08 | - | 7.43 | 7.58 | 7.82 | - | 7.67 | 7.83 | 8.08 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 224 | 242 | 255 | - | 252 | 271 | 286 | - | 286 | 308 | 326 | - | 326 | 351 | 371 | - | 367 | 395 | 417 | - | 406 | 436 | 461 | - | 367 | 395 | 417 | - | 406 | 436 | 461 | - | 367 | 395 | 417 | - | 406 | 436 | 461 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 104 | 111 | 121 | - | 110 | 117 | 128 | - | 114 | 121 | 133 | - | 120 | 128 | 139 | - | 126 | 134 | 146 | - | 130 | 138 | 151 | - | 126 | 134 | 146 | - | 130 | 138 | 151 | - | 126 | 134 | 146 | - | 130 | 138 | 151 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | 3375 | MBh | 89.7 | 92.3 | 100.0 | 107.3 | 87.6 | 90.2 | 97.6 | 104.8 | 85.5 | 88.0 | 95.3 | 102.3 | 83.4 | 85.9 | 93.0 | 99.8 | 79.3 | 81.6 | 88.3 | 94.8 | 73.4 | 75.6 | 81.8 | 87.8 | 83.4 | 85.9 | 93.0 | 99.8 | 79.3 | 81.6 | 88.3 | 94.8 | 73.4 | 75.6 | 81.8 | 87.8 | 83.4 | 85.9 | 93.0 | 99.8 | 79.3 | 81.6 | 88.3 | 94.8 | 73.4 | 75.6 | 81.8 | 87.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S/T | 0.83 | 0.75 | 0.56 | 0.36 | 0.86 | 0.77 | 0.58 | 0.38 | 0.89 | 0.79 | 0.60 | 0.39 | 0.91 | 0.82 | 0.62 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 | 0.91 | 0.82 | 0.62 | 0.40 | 0.95 | 0.85 | 0.64 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 | 0.95 | 0.85 | 0.64 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 | 0.95 | 0.85 | 0.64 | 0.41 | 0.96 | 0.86 | 0.65 | 0.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ΔT | 20 | 19 | 15 | 11 | 21 | 19 | 16 | 11 | 21 | 19 | 16 | 11 | 21 | 19 | 16 | 11 | 21 | 20 | 19 | 15 | 11 | 19 | 18 | 14 | 10 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | kW | 6.24 | 6.36 | 6.55 | 6.75 | 6.69 | 6.82 | 7.03 | 7.25 | 7.08 | 7.23 | 7.45 | 7.69 | 7.43 | 7.59 | 7.83 | 8.07 | 7.73 | 7.89 | 8.14 | 8.40 | 7.99 | 8.16 | 8.42 | 8.69 | 7.73 | 7.89 | 8.14 | 8.40 | 7.99 | 8.16 | 8.42 | 8.69 | 7.73 | 7.89 | 8.14 | 8.40 | 7.99 | 8.16 | 8.42 | 8.69 | 7.73 | 7.89 | 8.14 | 8.40 | 7.99 | 8.16 | 8.42 | 8.69 | 7.73 | 7.89 | 8.14 | 8.40 | 7.99 | 8.16 | 8.42 | 8.69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Hi PR | 236 | 254 | 268 | 280 | 265 | 285 | 301 | 314 | 301 | 324 | 342 | 357 | 343 | 369 | 390 | 407 | 386 | 415 | 439 | 458 | 427 | 459 | 485 | 506 | 386 | 415 | 439 | 458 | 427 | 459 | 485 | 506 | 386 | 415 | 439 | 458 | 427 | 459 | 485 | 506 | 386 | 415 | 439 | 458 | 427 | 459 | 485 | 506 | 386 | 415 | 439 | 458 | 427 | 459 | 485 | 506 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Lo PR | 109 | 116 | 127 | 135 | 116 | 123 | 134 | 143 | 120 | 128 | 139 | 149 | 126 | 134 | 146 | 156 | 132 | 141 | 154 | 163 | 137 | 145 | 159 | 169 | 126 | 134 | 146 | 156 | 137 | 145 | 159 | 169 | 126 | 134 | 146 | 156 | 137 | 145 | 159 | 169 | 126 | 134 | 146 | 156 | 137 | 145 | 159 | 169 | 126 | 134 | 146 | 156 | 137 | 145 | 159 | 169 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3000 | MBh | 87.1 | 89.7 | 97.0 | 104.1 | 85.1 | 87.6 | 94.8 | 101.7 | 83.0 | 85.5 | 92.5 | 99.3 | 81.0 | 83.4 | 90.3 | 96.9 | 81.0 | 83.4 | 90.3 | 96.9 | 71.0 | 73.4 | 79.4 | 85.3 | 81.0 | 83.4 | 90.3 | 96.9 | 71.0 | 73.4 | 79.4 | 85.3 | 81.0 | 83.4 | 90.3 | 96.9 | 71.0 | 73.4 | 79.4 | 85.3 | 81.0 | 83.4 | 90.3 | 96.9 | 71.0 | 73.4 | 79.4 | 85.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | S/T | 0.79 | 0.71 | 0.54 | 0.35 | 0.82 | 0.74 | 0.56 | 0.36 | 0.84 | 0.76 | 0.57 | 0.37 | 0.87 | 0.78 | 0.59 | 0.38 | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.81 | 0.61 | 0.39 | 0.87 | 0.78 | 0.59 | 0.38 | 0.90 | 0.81 | 0.61 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 | 0.90 | 0.81 | 0.61 | 0.39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ΔT | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | 21 | 20 | 16 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | kW | 6.19 | 6.32 | 6.50 | 6.70 | 6.64 | 6.77 | 6.98 | 7.19 | 7.03 | 7.17 | 7.39 | 7.63 | 7.38 | 7.53 | 7.76 | 8.01 | 7.67 | 7.83 | 8.08 | 8.34 | 7.92 | 8.09 | 8.35 | 8.62 | 7.67 | 7.83 | 8.08 | 8.34 | 7.92 | 8.09 | 8.35 | 8.62 | 7.67 | 7.83 | 8.08 | 8.34 | 7.92 | 8.09 | 8.35 | 8.62 | 7.67 | 7.83 | 8.08 | 8.34 | 7.92 | 8.09 | 8.35 | 8.62 | 7.67 | 7.83 | 8.08 | 8.34 | 7.92 | 8.09 | 8.35 | 8.62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Hi PR | 234 | 252 | 266 | 277 | 262 | 282 | 298 | 311 | 298 | 321 | 339 | 354 | 340 | 366 | 386 | 403 | 382 | 411 | 434 | 453 | 422 | 454 | 480 | 501 | 382 | 411 | 434 | 453 | 422 | 454 | 480 | 501 | 382 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------|--------------------------------------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| | | 65 | | | | | 75 | | | | | 85 | | | | | 95 | | | | | 105 | | | | | 115 | | | | | | | | | | | | | | | | | | |
| | | ENTERING INDOOR WET BULB TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AIRFLOW | 59 | 63 | 67 | 71 | 75 | 79 | 83 | 87 | 91 | 95 | 99 | 103 | 107 | 111 | 115 | 59 | 63 | 67 | 71 | 75 | 79 | 83 | 87 | 91 | 95 | 99 | 103 | 107 | 111 | 115 | 59 | 63 | 67 | 71 | 75 | 79 | 83 | 87 | 91 | 95 | 99 | 103 | 107 | 111 | 115 |
| 3375 | MBh | 91.3 | 93.3 | 99.7 | 106.5 | 89.2 | 91.1 | 97.3 | 104.1 | 87.0 | 88.9 | 95.0 | 101.6 | 84.9 | 86.8 | 92.7 | 99.1 | 80.7 | 82.4 | 88.1 | 94.1 | 80.7 | 82.4 | 88.1 | 94.1 | 80.7 | 82.4 | 88.1 | 94.1 | 74.7 | 76.4 | 81.6 | 87.2 | | | | | | | | | | | | |
| | S/T | 0.91 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.72 | 0.54 | 1.00 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 1.00 | 0.79 | 0.59 | 1.00 | 1.00 | 0.79 | 0.59 | 1.00 | 1.00 | 0.79 | 0.59 | 1.00 | 1.00 | 0.80 | 0.60 | | | | | | | | | | | | |
| | ΔT | 23 | 22 | 19 | 15 | 23 | 22 | 19 | 15 | 24 | 22 | 19 | 15 | 23 | 22 | 19 | 15 | 22 | 22 | 19 | 15 | 22 | 22 | 19 | 15 | 20 | 21 | 18 | 14 | 20 | 21 | 18 | 14 | | | | | | | | | | | | |
| | kW | 6.29 | 6.41 | 6.60 | 6.80 | 6.74 | 6.88 | 7.08 | 7.30 | 7.14 | 7.29 | 7.51 | 7.75 | 7.49 | 7.65 | 7.89 | 8.14 | 7.79 | 7.96 | 8.21 | 8.47 | 7.79 | 7.96 | 8.21 | 8.47 | 8.05 | 8.22 | 8.48 | 8.76 | 8.05 | 8.22 | 8.48 | 8.76 | | | | | | | | | | | | |
| | Hi PR | 238 | 257 | 271 | 283 | 268 | 288 | 304 | 317 | 304 | 328 | 346 | 361 | 347 | 373 | 394 | 411 | 390 | 420 | 443 | 462 | 390 | 420 | 443 | 462 | 431 | 464 | 490 | 511 | 431 | 464 | 490 | 511 | | | | | | | | | | | | |
| Lo PR | 110 | 118 | 128 | 137 | 117 | 124 | 136 | 144 | 121 | 129 | 141 | 150 | 127 | 136 | 148 | 158 | 134 | 142 | 155 | 165 | 134 | 142 | 155 | 165 | 138 | 147 | 160 | 171 | 138 | 147 | 160 | 171 | | | | | | | | | | | | | |
| 80 | MBh | 88.6 | 90.6 | 96.8 | 103.4 | 86.6 | 88.5 | 94.5 | 101.0 | 84.5 | 86.3 | 92.3 | 98.6 | 82.4 | 84.2 | 90.0 | 96.2 | 78.3 | 80.0 | 85.5 | 91.4 | 78.3 | 80.0 | 85.5 | 91.4 | 78.3 | 80.0 | 85.5 | 91.4 | 72.5 | 74.1 | 79.2 | 84.7 | | | | | | | | | | | | |
| | S/T | 0.87 | 0.82 | 0.67 | 0.50 | 0.90 | 0.85 | 0.69 | 0.52 | 0.93 | 0.87 | 0.71 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 0.99 | 0.93 | 0.76 | 0.57 | 0.99 | 0.93 | 0.76 | 0.57 | 1.00 | 0.94 | 0.76 | 0.57 | 1.00 | 0.94 | 0.76 | 0.57 | | | | | | | | | | | | |
| | ΔT | 24 | 23 | 20 | 16 | 24 | 23 | 20 | 16 | 24 | 23 | 20 | 16 | 24 | 23 | 20 | 16 | 24 | 23 | 20 | 16 | 24 | 23 | 20 | 16 | 22 | 21 | 19 | 15 | 22 | 21 | 19 | 15 | | | | | | | | | | | | |
| | kW | 6.24 | 6.36 | 6.55 | 6.75 | 6.69 | 6.82 | 7.03 | 7.25 | 7.08 | 7.23 | 7.45 | 7.69 | 7.43 | 7.59 | 7.83 | 8.07 | 7.73 | 7.89 | 8.14 | 8.40 | 7.73 | 7.89 | 8.14 | 8.40 | 7.99 | 8.16 | 8.42 | 8.69 | 7.99 | 8.16 | 8.42 | 8.69 | | | | | | | | | | | | |
| | Hi PR | 236 | 254 | 268 | 280 | 265 | 285 | 301 | 314 | 301 | 324 | 342 | 357 | 343 | 369 | 390 | 407 | 386 | 415 | 439 | 458 | 386 | 415 | 439 | 458 | 427 | 459 | 485 | 506 | 427 | 459 | 485 | 506 | | | | | | | | | | | | |
| Lo PR | 109 | 116 | 127 | 135 | 116 | 123 | 134 | 143 | 120 | 128 | 139 | 149 | 126 | 134 | 147 | 156 | 132 | 141 | 154 | 164 | 132 | 141 | 154 | 164 | 137 | 145 | 159 | 169 | 137 | 145 | 159 | 169 | | | | | | | | | | | | | |
| 2400 | MBh | 81.8 | 83.6 | 89.3 | 95.5 | 79.9 | 81.6 | 87.2 | 93.2 | 78.0 | 79.7 | 85.1 | 91.0 | 76.1 | 77.8 | 83.1 | 88.8 | 72.3 | 73.9 | 78.9 | 84.4 | 72.3 | 73.9 | 78.9 | 84.4 | 72.3 | 73.9 | 78.9 | 84.4 | 67.0 | 68.4 | 73.1 | 78.1 | | | | | | | | | | | | |
| | S/T | 0.84 | 0.79 | 0.64 | 0.48 | 0.87 | 0.82 | 0.67 | 0.50 | 0.89 | 0.84 | 0.68 | 0.51 | 0.92 | 0.86 | 0.70 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 0.96 | 0.90 | 0.73 | 0.55 | 0.97 | 0.91 | 0.74 | 0.55 | 0.97 | 0.91 | 0.74 | 0.55 | | | | | | | | | | | | |
| | ΔT | 26 | 25 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 25 | 22 | 18 | 27 | 25 | 22 | 18 | 25 | 24 | 21 | 16 | 25 | 24 | 21 | 16 | | | | | | | | | | | | |
| | kW | 6.10 | 6.22 | 6.40 | 6.60 | 6.54 | 6.67 | 6.87 | 7.08 | 6.92 | 7.06 | 7.28 | 7.50 | 7.26 | 7.41 | 7.64 | 7.88 | 7.55 | 7.71 | 7.95 | 8.20 | 7.55 | 7.71 | 7.95 | 8.20 | 7.80 | 7.96 | 8.21 | 8.48 | 7.80 | 7.96 | 8.21 | 8.48 | | | | | | | | | | | | |
| | Hi PR | 229 | 246 | 260 | 271 | 257 | 277 | 292 | 305 | 292 | 315 | 332 | 346 | 333 | 358 | 378 | 395 | 375 | 403 | 426 | 444 | 375 | 403 | 426 | 444 | 414 | 445 | 470 | 490 | 414 | 445 | 470 | 490 | | | | | | | | | | | | |
| Lo PR | 106 | 113 | 123 | 131 | 112 | 119 | 130 | 139 | 116 | 124 | 135 | 144 | 122 | 130 | 142 | 151 | 128 | 136 | 149 | 159 | 128 | 136 | 149 | 159 | 133 | 141 | 154 | 164 | 133 | 141 | 154 | 164 | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|-------|------|------|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 3375 | MBh | 92.9 | 94.7 | 99.2 | 105.8 | 90.7 | 92.5 | 96.8 | 103.3 | 88.6 | 90.3 | 94.5 | 100.9 | 86.4 | 88.1 | 92.2 | 98.4 | 82.1 | 83.7 | 87.6 | 93.5 | 82.1 | 83.7 | 87.6 | 93.5 | 82.1 | 83.7 | 87.6 | 93.5 | 76.0 | 77.5 | 81.2 | 86.6 |
| | S/T | 0.96 | 0.92 | 0.83 | 0.68 | 0.99 | 0.96 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.74 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00 | 1.00 | 0.95 | 0.77 | 1.00 | 1.00 | 0.96 | 0.78 |
| | ΔT | 24 | 24 | 23 | 20 | 25 | 24 | 23 | 20 | 24 | 24 | 23 | 20 | 24 | 24 | 23 | 20 | 24 | 22 | 23 | 20 | 22 | 23 | 20 | 22 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 18 |
| | kW | 6.33 | 6.46 | 6.65 | 6.85 | 6.79 | 6.93 | 7.14 | 7.36 | 7.19 | 7.34 | 7.57 | 7.81 | 7.55 | 7.71 | 7.95 | 8.20 | 7.85 | 8.02 | 8.27 | 8.54 | 7.85 | 8.02 | 8.27 | 8.54 | 8.12 | 8.29 | 8.55 | 8.83 | 8.12 | 8.29 | 8.55 | 8.83 |
| | Hi PR | 241 | 259 | 274 | 285 | 270 | 291 | 307 | 320 | 307 | 331 | 349 | 364 | 350 | 377 | 398 | 415 | 394 | 424 | 448 | 467 | 394 | 424 | 448 | 467 | 435 | 468 | 495 | 516 | 435 | 468 | 495 | 516 |
| Lo PR | 112 | 119 | 130 | 138 | 118 | 125 | 137 | 146 | 122 | 130 | 142 | 152 | 129 | 137 | 149 | 159 | 135 | 143 | 157 | 167 | 135 | 143 | 157 | 167 | 139 | 148 | 162 | 173 | 139 | 148 | 162 | 173 | |
| 3000 | MBh | 90.2 | 91.9 | 96.3 | 102.7 | 88.1 | 89.8 | 94.0 | 100.3 | 86.0 | 87.6 | 91.8 | 97.9 | 83.9 | 85.5 | 89.6 | 95.5 | 79.7 | 81.2 | 85.1 | 90.8 | 79.7 | 81.2 | 85.1 | 90.8 | 73.8 | 75.2 | 78.8 | 84.1 | 73.8 | 75.2 | 78.8 | 84.1 |
| | S/T | 0.91 | 0.88 | 0.80 | 0.65 | 0.95 | 0.91 | 0.82 | 0.67 | 0.97 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.91 | 0.74 |
| | ΔT | 25 | 25 | 23 | 20 | 26 | 25 | 24 | 21 | 26 | 25 | 24 | 21 | 26 | 25 | 24 | 21 | 26 | 24 | 25 | 24 | 24 | 24 | 25 | 24 | 23 | 23 | 22 | 22 | 23 | 22 | 22 | 19 |
| | kW | 6.29 | 6.41 | 6.60 | 6.80 | 6.74 | 6.88 | 7.08 | 7.30 | 7.14 | 7.29 | 7.51 | 7.75 | 7.49 | 7.65 | 7.89 | 8.14 | 7.79 | 7.96 | 8.21 | 8.47 | 7.79 | 7.96 | 8.21 | 8.47 | 8.05 | 8.22 | 8.48 | 8.76 | 8.05 | 8.22 | 8.48 | 8.76 |
| | Hi PR | 238 | 257 | 271 | 283 | 268 | 288 | 304 | 317 | 304 | 328 | 346 | 361 | 347 | 373 | 394 | 411 | 390 | 420 | 443 | 462 | 390 | 420 | 443 | 462 | 431 | 464 | 490 | 511 | 431 | 464 | 490 | 511 |
| Lo PR | 110 | 118 | 128 | 137 | 117 | 124 | 136 | 144 | 121 | 129 | 141 | 150 | 127 | 136 | 148 | 158 | 134 | 142 | 155 | 165 | 134 | 142 | 155 | 165 | 138 | 147 | 160 | 171 | 138 | 147 | 160 | 171 | |
| 85 | MBh | 83.2 | 84.8 | 88.9 | 94.8 | 81.3 | 82.9 | 86.8 | 92.6 | 79.4 | 80.9 | 84.7 | 90.4 | 77.4 | 78.9 | 82.7 | 88.2 | 73.6 | 75.0 | 78.5 | 83.8 | 73.6 | 75.0 | 78.5 | 83.8 | 68.1 | 69.4 | 72.7 | 77.6 | 68.1 | 69.4 | 72.7 | 77.6 |
| | S/T | 0.88 | 0.85 | 0.77 | 0.62 | 0.91 | 0.88 | 0.80 | 0.65 | 0.94 | 0.90 | 0.82 | 0.66 | 0.97 | 0.93 | 0.84 | 0.68 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 0.97 | 0.87 | 0.71 | 1.00 | 0.98 | 0.88 | 0.71 | 1.00 | 0.98 | 0.88 | 0.71 |
| | ΔT | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 28 | 28 | 26 | 23 | 26 | 26 | 25 | 21 | 26 | 26 | 25 | 21 |
| | kW | 6.15 | 6.27 | 6.45 | 6.65 | 6.59 | 6.72 | 6.92 | 7.13 | 6.97 | 7.12 | 7.33 | 7.56 | 7.32 | 7.47 | 7.70 | 7.94 | 7.61 | 7.77 | 8.01 | 8.27 | 7.61 | 7.77 | 8.01 | 8.27 | 7.86 | 8.02 | 8.28 | 8.55 | 7.86 | 8.02 | 8.28 | 8.55 |
| | Hi PR | 231 | 249 | 263 | 274 | 260 | 279 | 295 | 308 | 295 | 318 | 335 | 350 | 336 | 362 | 382 | 399 | 378 | 407 | 430 | 448 | 378 | 407 | 430 | 448 | 418 | 450 | 475 | 495 | 418 | 450 | 475 | 495 |
| Lo PR | 107 | 114 | 124 | 133 | 113 | 120 | 131 | 140 | 118 | 125 | 137 | 146 | 124 | 131 | 144 | 153 | 130 | 138 | 150 | 160 | 130 | 138 | 150 | 160 | 134 | 143 | 156 | 166 | 134 | 143 | 156 | 166 | |

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Superheat 7±2 °F, Design Subcooling 12±2 °F pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Shaded area reflects AHRI Rating Conditions

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|-----------------------------|------|-------|--------------------------------------|------|------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|----|--|--|----|--|--|----|
| | | 65 | | | | | 75 | | | | | 85 | | | | | 95 | | | | | 105 | | | | | 115 | | | | | | | | | | | | | | |
| | | AIRFLOW | | | ENTERING INDOOR WET BULB TEMPERATURE | | | 59 | | | 63 | | | 67 | | | 71 | | | 59 | | | 63 | | | 67 | | | 71 | | | 59 | | | 63 | | | 67 | | | 71 |
| 70 | 3300 | MBh | 95.1 | 98.6 | 108.0 | - | 92.9 | 96.3 | 105.5 | - | 90.7 | 94.0 | 103.0 | - | 88.5 | 91.7 | 100.5 | - | 84.1 | 87.1 | 95.5 | - | 84.1 | 87.1 | 95.5 | - | 84.1 | 87.1 | 95.5 | - | 77.9 | 80.7 | 88.4 | - | | | | | | | |
| | | S/T | 0.71 | 0.59 | 0.41 | - | 0.73 | 0.61 | 0.43 | - | 0.75 | 0.63 | 0.44 | - | 0.78 | 0.65 | 0.45 | - | 0.81 | 0.67 | 0.47 | - | 0.81 | 0.67 | 0.47 | - | 0.81 | 0.67 | 0.47 | - | 0.81 | 0.68 | 0.47 | - | | | | | | | |
| | | Delta T | 19 | 16 | 12 | - | 19 | 16 | 12 | - | 19 | 16 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 19 | 17 | 13 | - | 18 | 15 | 12 | - | | | | | | | |
| | | KW | 6.93 | 7.07 | 7.29 | - | 7.45 | 7.60 | 7.84 | - | 7.90 | 8.07 | 8.32 | - | 8.30 | 8.48 | 8.75 | - | 8.65 | 8.83 | 9.12 | - | 8.65 | 8.83 | 9.12 | - | 8.65 | 8.83 | 9.12 | - | 8.94 | 9.14 | 9.43 | - | | | | | | | |
| | | AMPS | 11.8 | 12.0 | 12.3 | - | 12.5 | 12.7 | 13.0 | - | 13.3 | 13.6 | 13.9 | - | 14.0 | 14.3 | 14.7 | - | 14.8 | 15.0 | 15.4 | - | 14.8 | 15.0 | 15.4 | - | 14.8 | 15.0 | 15.4 | - | 15.5 | 15.8 | 16.2 | - | | | | | | | |
| | 3200 | HI PR | 237 | 255 | 269 | - | 266 | 286 | 302 | - | 302 | 325 | 343 | - | 344 | 370 | 391 | - | 387 | 417 | 440 | - | 387 | 417 | 440 | - | 387 | 417 | 440 | - | 428 | 460 | 486 | - | | | | | | | |
| | | LO PR | 99 | 105 | 115 | - | 104 | 111 | 121 | - | 108 | 115 | 126 | - | 114 | 121 | 132 | - | 119 | 127 | 139 | - | 119 | 127 | 139 | - | 119 | 127 | 139 | - | 123 | 131 | 143 | - | | | | | | | |
| | | MBh | 95.1 | 98.6 | 108.0 | - | 92.9 | 96.3 | 105.5 | - | 90.7 | 94.0 | 103.0 | - | 88.5 | 91.7 | 100.5 | - | 84.1 | 87.1 | 95.5 | - | 84.1 | 87.1 | 95.5 | - | 84.1 | 87.1 | 95.5 | - | 77.9 | 80.7 | 88.4 | - | | | | | | | |
| | | S/T | 0.71 | 0.59 | 0.41 | - | 0.73 | 0.61 | 0.43 | - | 0.75 | 0.63 | 0.44 | - | 0.78 | 0.65 | 0.45 | - | 0.81 | 0.67 | 0.47 | - | 0.81 | 0.67 | 0.47 | - | 0.81 | 0.67 | 0.47 | - | 0.81 | 0.68 | 0.47 | - | | | | | | | |
| | | Delta T | 19 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 18 | 16 | 12 | - | | | | | | | |
| 3100 | KW | 6.86 | 7.00 | 7.21 | - | 7.37 | 7.52 | 7.76 | - | 7.82 | 7.99 | 8.24 | - | 8.22 | 8.39 | 8.66 | - | 8.55 | 8.74 | 9.02 | - | 8.55 | 8.74 | 9.02 | - | 8.55 | 8.74 | 9.02 | - | 8.84 | 9.04 | 9.33 | - | | | | | | | | |
| | AMPS | 11.7 | 11.9 | 12.2 | - | 12.4 | 12.6 | 12.9 | - | 13.2 | 13.4 | 13.8 | - | 13.9 | 14.2 | 14.5 | - | 14.6 | 14.9 | 15.3 | - | 14.6 | 14.9 | 15.3 | - | 14.6 | 14.9 | 15.3 | - | 15.3 | 15.6 | 16.0 | - | | | | | | | | |
| | HI PR | 234 | 251 | 266 | - | 262 | 282 | 298 | - | 298 | 321 | 339 | - | 340 | 365 | 386 | - | 382 | 411 | 434 | - | 382 | 411 | 434 | - | 382 | 411 | 434 | - | 422 | 454 | 480 | - | | | | | | | | |
| | LO PR | 97 | 104 | 113 | - | 103 | 110 | 120 | - | 107 | 114 | 124 | - | 112 | 120 | 131 | - | 118 | 125 | 137 | - | 118 | 125 | 137 | - | 118 | 125 | 137 | - | 122 | 130 | 142 | - | | | | | | | | |
| | MBh | 94.2 | 97.6 | 107.0 | - | 92.0 | 95.4 | 104.5 | - | 89.8 | 93.1 | 102.0 | - | 87.6 | 90.8 | 99.5 | - | 83.2 | 86.3 | 94.5 | - | 83.2 | 86.3 | 94.5 | - | 83.2 | 86.3 | 94.5 | - | 77.1 | 79.9 | 87.6 | - | | | | | | | | |
| 75 | 3300 | S/T | 0.70 | 0.59 | 0.41 | - | 0.73 | 0.61 | 0.42 | - | 0.75 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.45 | - | 0.80 | 0.67 | 0.46 | - | 0.80 | 0.67 | 0.46 | - | 0.80 | 0.67 | 0.46 | - | 0.81 | 0.67 | 0.47 | - | | | | | | | |
| | | Delta T | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 18 | 16 | 12 | - | | | | | | | |
| | | KW | 6.86 | 7.00 | 7.21 | - | 7.37 | 7.52 | 7.76 | - | 7.82 | 7.99 | 8.24 | - | 8.22 | 8.39 | 8.66 | - | 8.55 | 8.74 | 9.02 | - | 8.55 | 8.74 | 9.02 | - | 8.55 | 8.74 | 9.02 | - | 8.84 | 9.04 | 9.33 | - | | | | | | | |
| | | AMPS | 11.9 | 12.1 | 12.4 | - | 12.6 | 12.8 | 13.1 | - | 13.2 | 13.4 | 13.8 | - | 13.9 | 14.2 | 14.5 | - | 14.6 | 14.9 | 15.3 | - | 14.6 | 14.9 | 15.3 | - | 14.6 | 14.9 | 15.3 | - | 15.3 | 15.6 | 16.0 | - | | | | | | | |
| | | HI PR | 239 | 257 | 272 | - | 268 | 289 | 305 | - | 305 | 328 | 347 | - | 348 | 374 | 395 | - | 391 | 421 | 444 | - | 391 | 421 | 444 | - | 391 | 421 | 444 | - | 432 | 465 | 491 | - | | | | | | | |
| | 3200 | LO PR | 100 | 106 | 116 | - | 105 | 112 | 122 | - | 110 | 117 | 127 | - | 115 | 122 | 134 | - | 121 | 128 | 140 | - | 121 | 128 | 140 | - | 121 | 128 | 140 | - | 125 | 133 | 145 | - | | | | | | | |
| | | MBh | 96.8 | 99.6 | 107.8 | - | 94.5 | 97.3 | 105.3 | - | 92.3 | 95.0 | 102.8 | - | 90.0 | 92.7 | 100.3 | - | 85.5 | 88.0 | 95.3 | - | 85.5 | 88.0 | 95.3 | - | 85.5 | 88.0 | 95.3 | - | 79.2 | 81.5 | 88.3 | - | | | | | | | |
| | | S/T | 0.81 | 0.72 | 0.55 | - | 0.84 | 0.75 | 0.57 | - | 0.86 | 0.77 | 0.58 | - | 0.88 | 0.79 | 0.60 | - | 0.92 | 0.82 | 0.62 | - | 0.92 | 0.82 | 0.62 | - | 0.92 | 0.82 | 0.62 | - | 0.93 | 0.83 | 0.63 | - | | | | | | | |
| | | Delta T | 22 | 20 | 16 | - | 22 | 20 | 17 | - | 22 | 20 | 17 | - | 22 | 20 | 17 | - | 22 | 20 | 16 | - | 22 | 20 | 16 | - | 22 | 20 | 16 | - | 20 | 19 | 15 | - | | | | | | | |
| | | KW | 6.98 | 7.13 | 7.35 | - | 7.50 | 7.66 | 7.90 | - | 7.97 | 8.14 | 8.39 | - | 8.37 | 8.55 | 8.83 | - | 8.72 | 8.91 | 9.20 | - | 8.72 | 8.91 | 9.20 | - | 8.72 | 8.91 | 9.20 | - | 9.02 | 9.21 | 9.51 | - | | | | | | | |
| 3100 | AMPS | 11.9 | 12.1 | 12.4 | - | 12.6 | 12.8 | 13.1 | - | 13.4 | 13.7 | 14.0 | - | 14.1 | 14.4 | 14.8 | - | 14.9 | 15.2 | 15.6 | - | 14.9 | 15.2 | 15.6 | - | 14.9 | 15.2 | 15.6 | - | 15.6 | 15.9 | 16.3 | - | | | | | | | | |
| | HI PR | 239 | 257 | 272 | - | 268 | 289 | 305 | - | 305 | 328 | 347 | - | 348 | 374 | 395 | - | 391 | 421 | 444 | - | 391 | 421 | 444 | - | 391 | 421 | 444 | - | 432 | 465 | 491 | - | | | | | | | | |
| | LO PR | 100 | 106 | 116 | - | 105 | 112 | 122 | - | 110 | 117 | 127 | - | 115 | 122 | 134 | - | 121 | 128 | 140 | - | 121 | 128 | 140 | - | 121 | 128 | 140 | - | 125 | 133 | 145 | - | | | | | | | | |
| | MBh | 96.8 | 99.6 | 107.8 | - | 94.5 | 97.3 | 105.3 | - | 92.3 | 95.0 | 102.8 | - | 90.0 | 92.7 | 100.3 | - | 85.5 | 88.0 | 95.3 | - | 85.5 | 88.0 | 95.3 | - | 85.5 | 88.0 | 95.3 | - | 79.2 | 81.5 | 88.3 | - | | | | | | | | |
| | S/T | 0.81 | 0.72 | 0.55 | - | 0.84 | 0.75 | 0.57 | - | 0.86 | 0.77 | 0.58 | - | 0.88 | 0.79 | 0.60 | - | 0.92 | 0.82 | 0.62 | - | 0.92 | 0.82 | 0.62 | - | 0.92 | 0.82 | 0.62 | - | 0.93 | 0.83 | 0.63 | - | | | | | | | | |

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects ACCA (TVA) Rating Conditions
 Design Superheat 7±2 °F; Design Subcooling 12 ±2 °F pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|--------------------------------------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|------|-------|-------|------|------|-------|-------|------|------|------|-------|-----|-----|-----|-----|-----|
| | | 65 | | | | | 75 | | | | | 85 | | | | | 95 | | | | | 105 | | | | | 115 | | | | |
| | | AIRFLOW | | | 59 | 63 | 67 | 71 | 75 | 79 | 83 | 87 | 91 | 95 | 99 | 103 | 107 | 111 | 115 | 119 | 123 | 127 | 131 | 135 | 139 | 143 | 147 | 151 | 155 | 159 | 163 |
| | | ENTERING INDOOR WET BULB TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | 3300 | MBh | 98.5 | 100.6 | 107.5 | 114.9 | 96.2 | 98.3 | 105.0 | 112.2 | 93.9 | 95.9 | 102.5 | 109.6 | 91.6 | 93.6 | 100.0 | 106.9 | 87.0 | 88.9 | 95.0 | 101.6 | 80.6 | 82.4 | 88.0 | 94.1 | | | | | |
| | | S/T | 0.88 | 0.83 | 0.67 | 0.50 | 0.92 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.95 | 0.77 | 0.58 | | | | | |
| | | Delta T | 24 | 23 | 20 | 16 | 25 | 24 | 20 | 16 | 25 | 24 | 20 | 16 | 25 | 24 | 21 | 16 | 24 | 24 | 23 | 20 | 16 | 22 | 22 | 19 | 15 | | | | |
| | | KW | 7.04 | 7.18 | 7.40 | 7.64 | 7.56 | 7.72 | 7.97 | 8.22 | 8.03 | 8.20 | 8.46 | 8.74 | 8.44 | 8.62 | 8.90 | 9.19 | 8.79 | 8.98 | 9.27 | 9.58 | 9.09 | 9.29 | 9.59 | 9.91 | | | | | |
| | | AMPS | 11.9 | 12.2 | 12.5 | 12.8 | 12.7 | 12.9 | 13.2 | 13.6 | 13.5 | 13.8 | 14.1 | 14.6 | 14.2 | 14.5 | 14.9 | 15.4 | 15.0 | 15.3 | 15.7 | 16.2 | 15.7 | 16.0 | 16.5 | 17.0 | | | | | |
| | 3200 | HI PR | 242 | 260 | 275 | 286 | 271 | 292 | 308 | 321 | 308 | 332 | 350 | 365 | 351 | 378 | 399 | 416 | 395 | 425 | 449 | 468 | 436 | 470 | 496 | 517 | | | | | |
| | | LO PR | 101 | 107 | 117 | 125 | 106 | 113 | 124 | 132 | 111 | 118 | 129 | 137 | 116 | 124 | 135 | 144 | 122 | 130 | 141 | 151 | 126 | 134 | 146 | 156 | | | | | |
| | | MBh | 98.5 | 100.6 | 107.5 | 114.9 | 96.2 | 98.3 | 105.0 | 112.2 | 93.9 | 95.9 | 102.5 | 109.6 | 91.6 | 93.6 | 100.0 | 106.9 | 87.0 | 88.9 | 95.0 | 101.6 | 80.6 | 82.4 | 88.0 | 94.1 | | | | | |
| | | S/T | 0.88 | 0.83 | 0.67 | 0.50 | 0.92 | 0.86 | 0.70 | 0.52 | 0.94 | 0.88 | 0.72 | 0.54 | 0.97 | 0.91 | 0.74 | 0.55 | 1.00 | 0.94 | 0.77 | 0.57 | 1.00 | 0.95 | 0.77 | 0.58 | | | | | |
| | | Delta T | 25 | 24 | 21 | 17 | 25 | 24 | 21 | 17 | 25 | 24 | 21 | 17 | 26 | 24 | 21 | 17 | 25 | 24 | 21 | 17 | 23 | 23 | 20 | 16 | | | | | |
| 3100 | KW | 7.04 | 7.18 | 7.40 | 7.64 | 7.56 | 7.72 | 7.97 | 8.22 | 8.03 | 8.20 | 8.46 | 8.74 | 8.44 | 8.62 | 8.90 | 9.19 | 8.79 | 8.98 | 9.27 | 9.58 | 9.09 | 9.29 | 9.59 | 9.91 | | | | | | |
| | AMPS | 11.9 | 12.2 | 12.5 | 12.8 | 12.7 | 12.9 | 13.2 | 13.6 | 13.5 | 13.8 | 14.1 | 14.6 | 14.2 | 14.5 | 14.9 | 15.4 | 15.0 | 15.3 | 15.7 | 16.2 | 15.7 | 16.0 | 16.5 | 17.0 | | | | | | |
| | HI PR | 242 | 260 | 275 | 286 | 271 | 292 | 308 | 321 | 308 | 332 | 350 | 365 | 351 | 378 | 399 | 416 | 395 | 425 | 449 | 468 | 436 | 470 | 496 | 517 | | | | | | |
| | LO PR | 101 | 107 | 117 | 125 | 106 | 113 | 124 | 132 | 111 | 118 | 129 | 137 | 116 | 124 | 135 | 144 | 122 | 130 | 141 | 151 | 126 | 134 | 146 | 156 | | | | | | |
| | MBh | 97.5 | 99.6 | 106.4 | 113.8 | 95.2 | 97.3 | 104.0 | 111.1 | 93.0 | 95.0 | 101.5 | 108.5 | 90.7 | 92.7 | 99.0 | 105.8 | 86.1 | 88.0 | 94.1 | 100.5 | 79.8 | 81.5 | 87.1 | 93.1 | | | | | | |
| 85 | 3300 | S/T | 0.87 | 0.82 | 0.67 | 0.50 | 0.91 | 0.85 | 0.69 | 0.52 | 0.93 | 0.87 | 0.71 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.93 | 0.76 | 0.57 | 1.00 | 0.94 | 0.77 | 0.57 | | | | | |
| | | Delta T | 25 | 24 | 21 | 17 | 26 | 25 | 21 | 17 | 26 | 25 | 21 | 17 | 26 | 25 | 22 | 17 | 25 | 24 | 21 | 17 | 24 | 23 | 20 | 16 | | | | | |
| | | KW | 6.97 | 7.11 | 7.33 | 7.56 | 7.49 | 7.64 | 7.88 | 8.13 | 7.95 | 8.12 | 8.37 | 8.64 | 8.35 | 8.53 | 8.81 | 9.09 | 8.70 | 8.88 | 9.17 | 9.48 | 8.99 | 9.19 | 9.49 | 9.81 | | | | | |
| | | AMPS | 11.8 | 12.1 | 12.3 | 12.7 | 12.6 | 12.8 | 13.1 | 13.5 | 13.4 | 13.6 | 14.0 | 14.4 | 14.1 | 14.4 | 14.8 | 15.2 | 14.8 | 15.1 | 15.5 | 16.0 | 15.5 | 15.9 | 16.3 | 16.8 | | | | | |
| | | HI PR | 238 | 257 | 271 | 283 | 268 | 288 | 304 | 317 | 304 | 327 | 346 | 361 | 347 | 373 | 394 | 411 | 390 | 420 | 443 | 462 | 431 | 464 | 490 | 511 | | | | | |
| | 3200 | LO PR | 99 | 106 | 116 | 123 | 105 | 112 | 122 | 130 | 109 | 116 | 127 | 135 | 115 | 122 | 133 | 142 | 120 | 128 | 140 | 149 | 124 | 132 | 144 | 154 | | | | | |
| | | MBh | 100.2 | 102.1 | 107.0 | 114.1 | 97.9 | 99.8 | 104.5 | 111.5 | 95.5 | 97.4 | 102.0 | 108.8 | 93.2 | 95.0 | 99.5 | 106.2 | 88.5 | 90.3 | 94.5 | 100.8 | 82.0 | 83.6 | 87.6 | 93.4 | | | | | |
| | | S/T | 0.93 | 0.89 | 0.81 | 0.65 | 0.96 | 0.93 | 0.84 | 0.68 | 0.98 | 0.95 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.93 | 0.75 | | | | | |
| | | Delta T | 26 | 25 | 24 | 21 | 26 | 26 | 24 | 21 | 26 | 26 | 24 | 21 | 26 | 26 | 25 | 21 | 25 | 25 | 24 | 21 | 23 | 23 | 23 | 20 | | | | | |
| | | KW | 7.09 | 7.24 | 7.46 | 7.70 | 7.62 | 7.78 | 8.03 | 8.29 | 8.09 | 8.27 | 8.53 | 8.81 | 8.51 | 8.69 | 8.97 | 9.27 | 8.86 | 9.05 | 9.35 | 9.66 | 9.16 | 9.37 | 9.67 | 10.00 | | | | | |
| 3100 | AMPS | 12.0 | 12.2 | 12.5 | 12.9 | 12.8 | 13.0 | 13.3 | 13.7 | 13.6 | 13.9 | 14.2 | 14.7 | 14.3 | 14.6 | 15.0 | 15.5 | 15.1 | 15.4 | 15.8 | 16.3 | 15.8 | 16.1 | 16.6 | 17.1 | | | | | | |
| | HI PR | 244 | 263 | 277 | 289 | 274 | 295 | 311 | 324 | 311 | 335 | 354 | 369 | 355 | 382 | 403 | 420 | 399 | 429 | 453 | 473 | 441 | 474 | 501 | 522 | | | | | | |
| | LO PR | 102 | 108 | 118 | 126 | 108 | 114 | 125 | 133 | 112 | 119 | 130 | 138 | 117 | 125 | 136 | 145 | 123 | 131 | 143 | 152 | 127 | 135 | 148 | 157 | | | | | | |
| | MBh | 100.2 | 102.1 | 107.0 | 114.1 | 97.9 | 99.8 | 104.5 | 111.5 | 95.5 | 97.4 | 102.0 | 108.8 | 93.2 | 95.0 | 99.5 | 106.2 | 88.5 | 90.3 | 94.5 | 100.8 | 82.0 | 83.6 | 87.6 | 93.4 | | | | | | |
| | S/T | 0.93 | 0.89 | 0.81 | 0.65 | 0.96 | 0.93 | 0.84 | 0.68 | 0.98 | 0.95 | 0.86 | 0.70 | 1.00 | 0.98 | 0.89 | 0.72 | 1.00 | 1.00 | 0.92 | 0.75 | 1.00 | 1.00 | 0.93 | 0.75 | | | | | | |
| 85 | 3300 | Delta T | 27 | 26 | 25 | 21 | 27 | 27 | 25 | 22 | 27 | 27 | 25 | 22 | 27 | 27 | 25 | 22 | 25 | 26 | 25 | 22 | 24 | 24 | 23 | 20 | | | | | |
| | | KW | 7.09 | 7.24 | 7.46 | 7.70 | 7.62 | 7.78 | 8.03 | 8.29 | 8.09 | 8.27 | 8.53 | 8.81 | 8.51 | 8.69 | 8.97 | 9.27 | 8.86 | 9.05 | 9.35 | 9.66 | 9.16 | 9.37 | 9.67 | 10.00 | | | | | |
| | | AMPS | 12.0 | 12.2 | 12.5 | 12.9 | 12.8 | 13.0 | 13.3 | 13.7 | 13.6 | 13.9 | 14.2 | 14.7 | 14.3 | 14.6 | 15.0 | 15.5 | 15.1 | 15.4 | 15.8 | 16.3 | 15.8 | 16.1 | 16.6 | 17.1 | | | | | |
| | | HI PR | 244 | 263 | 277 | 289 | 274 | 295 | 311 | 324 | 311 | 335 | 354 | 369 | 355 | 382 | 403 | 420 | 399 | 429 | 453 | 473 | 441 | 474 | 501 | 522 | | | | | |
| | | LO PR | 102 | 108 | 118 | 126 | 108 | 114 | 125 | 133 | 112 | 119 | 130 | 138 | 117 | 125 | 136 | 145 | 123 | 131 | 143 | 152 | 127 | 135 | 148 | 157 | | | | | |
| | 3200 | MBh | 99.2 | 101.1 | 105.9 | 113.0 | 96.9 | 98.8 | 103.4 | 110.3 | 94.6 | 96.4 | 101.0 | 107.7 | 92.3 | 94.1 | 98.5 | 105.1 | 87.7 | 89.4 | 93.6 | 99.8 | 81.2 | 82.8 | 86.7 | 92.5 | | | | | |
| | | S/T | 0.92 | 0.88 | 0.80 | 0.65 | 0.95 | 0.92 | 0.83 | 0.67 | 0.97 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.88 | 0.71 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.92 | 0.74 | | | | | |
| | | Delta T | 27 | 27 | 25 | 22 | 27 | 27 | 25 | 22 | 27 | 27 | 25 | 22 | 27 | 27 | 26 | 22 | 26 | 26 | 25 | 22 | 24 | 25 | 24 | 20 | | | | | |
| | | KW | 7.02 | 7.17 | 7.39 | 7.62 | 7.55 | 7.70 | 7.95 | 8.20 | 8.01 | 8.18 | 8.44 | 8.71 | 8.42 | 8.60 | 8.88 | 9.17 | 8.77 | 8.96 | 9.25 | 9.55 | 9.07 | 9.27 | 9.57 | 9.89 | | | | | |
| | | AMPS | 11.9 | 12.1 | 12.4 | 12.8 | 12.6 | 12.9 | 13.2 | 13.6 | 13.5 | 13.7 | 14.1 | 14.5 | 14.2 | 14.5 | 14.9 | 15.3 | 14.9 | 15.2 | 15.6 | 16.1 | 15.7 | 16.0 | 16.4 | 16.9 | | | | | |
| 3100 | HI PR | 241 | 259 | 274 | 285 | 270 | 291 | 307 | 320 | 307 | 331 | 349 | 364 | 350 | 377 | 398 | 415 | 394 | 424 | 447 | 467 | 435 | 468 | 494 | 516 | | | | | | |
| | LO PR | 100 | 107 | 117 | 124 | 106 | 113 | 123 | 131 | 110 | 117 | 128 | 136 | 116 | 123 | 135 | 143 | 121 | 129 | 141 | 150 | 126 | 134 | 146 | 155 | | | | | | |

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Shaded area reflects AHRI Rating Conditions
 Design Superheat 7±2 °F; Design Subcooling 12 ±2 °F; pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Amps: Unit amps (comp.+ evaporator + condenser fan motors)

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-------|--------------------------------------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|------|------|----|----|----|----|----|----|----|-----|----|--|--|--|--|--|--|-----|--|--|--|--|--|--|--|
| | | 65 | | | | | | | | 75 | | | | | | | | 85 | | | | | | | | 95 | | | | | | | | 105 | | | | | | | | 115 | | | | | | | |
| | | AIRFLOW | | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | | | | | | | | | | | | | | |
| | | ENTERING INDOOR WET BULB TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | MBh | 114 | 118 | 129 | - | 111 | 115 | 126 | - | 108 | 112 | 123 | - | 106 | 110 | 120 | - | 100 | 104 | 114 | - | 93 | 96 | 106 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.73 | 0.61 | 0.42 | - | 0.76 | 0.63 | 0.44 | - | 0.78 | 0.65 | 0.45 | - | 0.80 | 0.67 | 0.47 | - | 0.83 | 0.70 | 0.48 | - | 0.84 | 0.70 | 0.49 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 19 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 18 | 16 | 12 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 8.22 | 8.37 | 8.60 | - | 8.77 | 8.94 | 9.19 | - | 9.25 | 9.43 | 9.70 | - | 9.68 | 9.87 | 10.16 | - | 10.04 | 10.24 | 10.55 | - | 10.36 | 10.56 | 10.88 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 247 | 266 | 281 | - | 277 | 298 | 315 | - | 315 | 339 | 358 | - | 359 | 386 | 408 | - | 404 | 435 | 459 | - | 446 | 480 | 507 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 105 | 111 | 122 | - | 111 | 118 | 128 | - | 115 | 122 | 134 | - | 121 | 128 | 140 | - | 127 | 135 | 147 | - | 131 | 139 | 152 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| 3500 | MBh | 110 | 114 | 125 | - | 108 | 112 | 122 | - | 105 | 109 | 119 | - | 103 | 106 | 117 | - | 98 | 101 | 111 | - | 90 | 94 | 103 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.70 | 0.58 | 0.40 | - | 0.72 | 0.61 | 0.42 | - | 0.74 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.44 | - | 0.80 | 0.66 | 0.46 | - | 0.80 | 0.67 | 0.46 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 20.27 | 17.55 | 13.32 | - | 20.52 | 17.76 | 13.48 | - | 20.54 | 17.78 | 13.50 | - | 20.69 | 17.91 | 13.59 | - | 20.40 | 17.66 | 13.40 | - | 19.05 | 16.49 | 12.52 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 8.2 | 8.3 | 8.5 | - | 8.7 | 8.9 | 9.1 | - | 9.2 | 9.4 | 9.6 | - | 9.6 | 9.8 | 10.1 | - | 10.0 | 10.2 | 10.5 | - | 10.3 | 10.5 | 10.8 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 245 | 263 | 278 | - | 274 | 295 | 312 | - | 312 | 336 | 355 | - | 355 | 383 | 404 | - | 400 | 430 | 454 | - | 442 | 476 | 502 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 104 | 110 | 120 | - | 110 | 117 | 127 | - | 114 | 121 | 132 | - | 120 | 127 | 139 | - | 125 | 133 | 146 | - | 130 | 138 | 151 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| 2800 | MBh | 102 | 106 | 116 | - | 99 | 103 | 113 | - | 97 | 101 | 110 | - | 95 | 98 | 108 | - | 90 | 93 | 102 | - | 83 | 86 | 95 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.67 | 0.56 | 0.39 | - | 0.70 | 0.58 | 0.40 | - | 0.72 | 0.60 | 0.41 | - | 0.74 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.44 | - | 0.77 | 0.65 | 0.45 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 23 | 20 | 15 | - | 21 | 18 | 14 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 8 | 8 | 8 | - | 9 | 9 | 9 | - | 9 | 9 | 9 | - | 9 | 10 | 10 | - | 10 | 10 | 10 | - | 10 | 10 | 11 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 237 | 255 | 270 | - | 266 | 286 | 302 | - | 303 | 326 | 344 | - | 345 | 371 | 392 | - | 388 | 417 | 441 | - | 429 | 461 | 487 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 101 | 107 | 117 | - | 106 | 113 | 123 | - | 110 | 117 | 128 | - | 116 | 123 | 135 | - | 122 | 129 | 141 | - | 126 | 134 | 146 | - | | | | | | | | | | | | | | | | | | | | | | | | |
| 3938 | MBh | 116 | 119 | 129 | 138 | 113 | 116 | 126 | 135 | 110 | 113 | 123 | 132 | 108 | 111 | 120 | 129 | 102 | 105 | 114 | 122 | 95 | 97 | 105 | 113 | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.83 | 0.75 | 0.56 | 0.4 | 0.86 | 0.77 | 0.58 | 0.4 | 0.89 | 0.79 | 0.60 | 0.4 | 0.91 | 0.82 | 0.62 | 0.4 | 0.95 | 0.85 | 0.64 | 0.4 | 0.96 | 0.86 | 0.65 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 22.5 | 20.7 | 17.0 | 11.7 | 22.8 | 21.0 | 17.2 | 11.9 | 22.8 | 21.0 | 17.2 | 11.9 | 23.0 | 21.1 | 17.3 | 12.0 | 22.6 | 20.8 | 17.1 | 11.8 | 21.1 | 19.5 | 15.9 | 11.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 8.3 | 8.4 | 8.7 | 8.9 | 8.8 | 9.0 | 9.3 | 9.5 | 9.3 | 9.5 | 9.8 | 10.1 | 9.8 | 9.9 | 10.2 | 10.5 | 10.1 | 10.1 | 10.3 | 10.6 | 10.9 | 10.4 | 10.6 | 11.0 | 11.3 | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 250 | 269 | 284 | 296 | 280 | 301 | 318 | 332 | 318 | 343 | 362 | 377 | 363 | 390 | 412 | 430 | 408 | 439 | 464 | 484 | 484 | 451 | 485 | 512 | 534 | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 106 | 113 | 123 | 131 | 112 | 119 | 130 | 138 | 116 | 124 | 135 | 144 | 122 | 130 | 142 | 151 | 128 | 136 | 148 | 158 | 132 | 141 | 154 | 164 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3500 | MBh | 112 | 116 | 125 | 134 | 110 | 113 | 122 | 131 | 107 | 110 | 119 | 128 | 104 | 107 | 116 | 125 | 99 | 102 | 111 | 119 | 92 | 95 | 102 | 110 | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.79 | 0.71 | 0.54 | 0.3 | 0.82 | 0.74 | 0.56 | 0.4 | 0.84 | 0.76 | 0.57 | 0.4 | 0.87 | 0.78 | 0.59 | 0.4 | 0.90 | 0.81 | 0.61 | 0.4 | 0.91 | 0.82 | 0.62 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 23.4 | 21.6 | 17.7 | 12.2 | 23.7 | 21.8 | 17.9 | 12.4 | 23.7 | 21.9 | 17.9 | 12.4 | 23.9 | 22.0 | 18.0 | 12.5 | 23.6 | 21.7 | 17.8 | 12.3 | 22.0 | 20.3 | 16.6 | 11.5 | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 8.2 | 8.4 | 8.6 | 8.8 | 8.8 | 8.9 | 9.2 | 9.5 | 9.3 | 9.4 | 9.7 | 10.0 | 9.7 | 9.9 | 10.2 | 10.5 | 10.0 | 10.2 | 10.5 | 10.9 | 10.4 | 10.6 | 10.9 | 11.2 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 247 | 266 | 281 | 293 | 277 | 298 | 315 | 329 | 315 | 339 | 358 | 374 | 359 | 386 | 408 | 426 | 404 | 435 | 459 | 479 | 446 | 480 | 507 | 529 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 105 | 111 | 122 | 130 | 111 | 118 | 128 | 137 | 115 | 122 | 134 | 142 | 121 | 128 | 140 | 149 | 127 | 135 | 147 | 157 | 131 | 139 | 152 | 162 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2800 | MBh | 104 | 107 | 115 | 124 | 101 | 104 | 113 | 121 | 99 | 102 | 110 | 118 | 96 | 99 | 107 | 115 | 92 | 94 | 102 | 109 | 85 | 87 | 95 | 101 | | | | | | | | | | | | | | | | | | | | | | | | |
| | S/T | 0.77 | 0.69 | 0.52 | 0.3 | 0.79 | 0.71 | 0.54 | 0.3 | 0.81 | 0.73 | 0.55 | 0.4 | 0.84 | 0.75 | 0.57 | 0.4 | 0.87 | 0.78 | 0.59 | 0.4 | 0.88 | 0.79 | 0.60 | 0.4 | | | | | | | | | | | | | | | | | | | | | | | | |
| | ΔT | 26.1 | 24.0 | 19.7 | 13.6 | 26.4 | 24.3 | 19.9 | 13.7 | 26.4 | 24.3 | 19.9 | 13.8 | 26.6 | 24.5 | 20.1 | 13.9 | 26.2 | 24.2 | 19.8 | 13.7 | 24.5 | 22.6 | 18.5 | 12.8 | | | | | | | | | | | | | | | | | | | | | | | | |
| | kW | 8.1 | 8.2 | 8.4 | 8.7 | 8.6 | 8.7 | 9.0 | 9.2 | 9.1 | 9.2 | 9.5 | 9.8 | 9.5 | 9.7 | 9.9 | 10.2 | 9.8 | 10.0 | 10.3 | 10.6 | 10.1 | 10.3 | 10.6 | 11.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Hi PR | 240 | 258 | 272 | 284 | 269 | 289 | 306 | 319 | 306 | 329 | 348 | 362 | 348 | 375 | 396 | 413 | 392 | 422 | 445 | 464 | 433 | 466 | 492 | 513 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Lo PR | 102 | 108 | 118 | 126 | 107 | 114 | 125 | 133 | 112 | 119 | 130 | 138 | 117 | 125 | 136 | 145 | 123 | 131 | 143 | 152 | 127 | 135 | 148 | 157 | | | | | | | | | | | | | | | | | | | | | | | | |

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction access fittings.
 Design Superheat 7±2 °F, Design Subcooling 12 ±2 °F, pressures measured @ the suction and liquid service ports, AHRI 95 test conditions
 Shaded area reflects ACCA (TVA) Rating Conditions

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-----|---|--|--|--|--|-----|--|--|--|--|--|--|--|
| | | 65 | | | | | | | | 75 | | | | | | | | 85 | | | | | | | | 95 | | | | | | | | 105 | | | | | | | | 115 | | | | | | | |
| | | AIRFLOW | | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | 59 | 63 | 67 | 71 | | | | | | | | | | | | | | |
| 70 | 4500 | MBh | 137.2 | 142.2 | 155.8 | - | 134.0 | 138.9 | 152.2 | - | 130.8 | 135.6 | 148.5 | - | 127.6 | 132.3 | 144.9 | - | 121.2 | 125.7 | 137.7 | - | 112.3 | 116.4 | 127.5 | - | 121.2 | 125.7 | 137.7 | - | 112.3 | 116.4 | 127.5 | - | | | | | | | | | | | | | | | |
| | | S/T | 0.70 | 0.59 | 0.41 | - | 0.73 | 0.61 | 0.42 | - | 0.75 | 0.62 | 0.43 | - | 0.77 | 0.64 | 0.45 | - | 0.80 | 0.67 | 0.46 | - | 0.81 | 0.67 | 0.47 | - | 0.80 | 0.67 | 0.46 | - | 0.81 | 0.67 | 0.47 | - | | | | | | | | | | | | | | | |
| | | ΔT | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 20 | 17 | 13 | - | 19 | 16 | 12 | - | 20 | 17 | 13 | - | 19 | 16 | 12 | - | | | | | | | | | | | | | | | |
| | | kW | 10.27 | 10.49 | 10.82 | - | 11.07 | 11.31 | 11.67 | - | 11.77 | 12.03 | 12.42 | - | 12.39 | 12.67 | 13.09 | - | 12.92 | 13.21 | 13.65 | - | 13.37 | 13.68 | 14.14 | - | 12.92 | 13.21 | 13.65 | - | 13.37 | 13.68 | 14.14 | - | | | | | | | | | | | | | | | |
| | HI PR | 247 | 266 | 281 | - | 277 | 298 | 315 | - | 315 | 339 | 358 | - | 359 | 386 | 408 | - | 404 | 434 | 459 | - | 446 | 480 | 507 | - | 446 | 480 | 507 | - | 404 | 434 | 459 | - | 446 | 480 | 507 | - | | | | | | | | | | | | |
| | LO PR | 100 | 107 | 117 | - | 106 | 113 | 123 | - | 110 | 117 | 128 | - | 116 | 123 | 135 | - | 121 | 129 | 141 | - | 126 | 134 | 146 | - | 121 | 129 | 141 | - | 126 | 134 | 146 | - | | | | | | | | | | | | | | | | |
| | MBh | 133.2 | 138.1 | 151.3 | - | 130.1 | 134.8 | 147.7 | - | 127.0 | 131.6 | 144.2 | - | 123.9 | 128.4 | 140.7 | - | 117.7 | 122.0 | 133.7 | - | 109.0 | 113.0 | 123.8 | - | 117.7 | 122.0 | 133.7 | - | 109.0 | 113.0 | 123.8 | - | | | | | | | | | | | | | | | | |
| | S/T | 0.67 | 0.56 | 0.39 | - | 0.69 | 0.58 | 0.40 | - | 0.71 | 0.60 | 0.41 | - | 0.74 | 0.61 | 0.43 | - | 0.76 | 0.64 | 0.44 | - | 0.77 | 0.64 | 0.45 | - | 0.76 | 0.64 | 0.44 | - | 0.77 | 0.64 | 0.45 | - | | | | | | | | | | | | | | | | |
| | ΔT | 21 | 18 | 13 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 19 | 17 | 13 | - | 21 | 18 | 14 | - | 19 | 17 | 13 | - | | | | | | | | | | | | | | | | |
| | kW | 10.19 | 10.40 | 10.73 | - | 10.98 | 11.21 | 11.58 | - | 11.67 | 11.93 | 12.32 | - | 12.29 | 12.56 | 12.98 | - | 12.81 | 13.10 | 13.53 | - | 13.26 | 13.56 | 14.02 | - | 12.81 | 13.10 | 13.53 | - | 13.26 | 13.56 | 14.02 | - | | | | | | | | | | | | | | | | |
| | HI PR | 244 | 263 | 278 | - | 274 | 295 | 312 | - | 312 | 336 | 355 | - | 355 | 382 | 404 | - | 400 | 430 | 454 | - | 442 | 475 | 502 | - | 400 | 430 | 454 | - | 442 | 475 | 502 | - | | | | | | | | | | | | | | | | |
| | LO PR | 99 | 106 | 116 | - | 105 | 112 | 122 | - | 109 | 116 | 127 | - | 115 | 122 | 133 | - | 120 | 128 | 140 | - | 124 | 132 | 144 | - | 120 | 128 | 140 | - | 124 | 132 | 144 | - | | | | | | | | | | | | | | | | |
| MBh | 122.9 | 127.4 | 139.6 | - | 120.1 | 124.5 | 136.4 | - | 117.2 | 121.5 | 133.1 | - | 114.4 | 118.5 | 129.9 | - | 108.6 | 112.6 | 123.4 | - | 100.6 | 104.3 | 114.3 | - | 108.6 | 112.6 | 123.4 | - | 100.6 | 104.3 | 114.3 | - | | | | | | | | | | | | | | | | | |
| S/T | 0.65 | 0.54 | 0.37 | - | 0.67 | 0.56 | 0.39 | - | 0.69 | 0.57 | 0.40 | - | 0.71 | 0.59 | 0.41 | - | 0.74 | 0.61 | 0.43 | - | 0.74 | 0.62 | 0.43 | - | 0.74 | 0.61 | 0.43 | - | 0.74 | 0.62 | 0.43 | - | | | | | | | | | | | | | | | | | |
| ΔT | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 21 | 18 | 14 | - | 20 | 17 | 13 | - | 21 | 18 | 14 | - | 20 | 17 | 13 | - | | | | | | | | | | | | | | | | | |
| kW | 9.94 | 10.15 | 10.47 | - | 10.71 | 10.94 | 11.29 | - | 11.38 | 11.63 | 12.01 | - | 11.98 | 12.25 | 12.65 | - | 12.49 | 12.77 | 13.19 | - | 12.92 | 13.22 | 13.66 | - | 12.49 | 12.77 | 13.19 | - | 12.92 | 13.22 | 13.66 | - | | | | | | | | | | | | | | | | | |
| HI PR | 237 | 255 | 269 | - | 266 | 286 | 302 | - | 303 | 326 | 344 | - | 345 | 371 | 392 | - | 388 | 417 | 441 | - | 428 | 461 | 487 | - | 388 | 417 | 441 | - | 428 | 461 | 487 | - | | | | | | | | | | | | | | | | | |
| LO PR | 97 | 103 | 112 | - | 102 | 108 | 118 | - | 106 | 113 | 123 | - | 111 | 118 | 129 | - | 117 | 124 | 135 | - | 121 | 128 | 140 | - | 117 | 124 | 135 | - | 121 | 128 | 140 | - | | | | | | | | | | | | | | | | | |
| 75 | 4500 | MBh | 139.5 | 143.6 | 155.5 | 166.9 | 136.3 | 140.3 | 151.9 | 163.0 | 133.0 | 137.0 | 148.2 | 159.1 | 129.8 | 133.6 | 144.6 | 155.2 | 123.3 | 126.9 | 137.4 | 147.5 | 114.2 | 117.6 | 127.3 | 136.6 | 123.3 | 126.9 | 137.4 | 147.5 | 114.2 | 117.6 | 127.3 | 136.6 | | | | | | | | | | | | | | | |
| | | S/T | 0.80 | 0.71 | 0.54 | 0.35 | 0.83 | 0.74 | 0.56 | 0.36 | 0.85 | 0.76 | 0.57 | 0.37 | 0.88 | 0.78 | 0.59 | 0.38 | 0.91 | 0.81 | 0.62 | 0.40 | 0.92 | 0.82 | 0.62 | 0.40 | 0.91 | 0.81 | 0.62 | 0.40 | 0.92 | 0.82 | 0.62 | 0.40 | | | | | | | | | | | | | | | |
| | | ΔT | 23 | 21 | 17 | 12 | 23 | 21 | 17 | 12 | 23 | 21 | 17 | 12 | 23 | 21 | 18 | 12 | 23 | 21 | 17 | 12 | 21 | 20 | 16 | 11 | 23 | 21 | 17 | 12 | 21 | 20 | 16 | 11 | | | | | | | | | | | | | | | |
| | | kW | 10.35 | 10.57 | 10.91 | 11.27 | 11.16 | 11.40 | 11.77 | 12.16 | 11.87 | 12.13 | 12.53 | 12.95 | 12.50 | 12.77 | 13.20 | 13.65 | 13.03 | 13.32 | 13.77 | 14.24 | 13.49 | 13.79 | 14.26 | 14.75 | 13.03 | 13.32 | 13.77 | 14.24 | 13.49 | 13.79 | 14.26 | 14.75 | | | | | | | | | | | | | | | |
| | HI PR | 249 | 268 | 283 | 296 | 280 | 301 | 318 | 332 | 318 | 343 | 362 | 377 | 363 | 390 | 412 | 430 | 408 | 439 | 463 | 483 | 451 | 485 | 512 | 534 | 408 | 439 | 463 | 483 | 451 | 485 | 512 | 534 | | | | | | | | | | | | | | | | |
| | LO PR | 102 | 108 | 118 | 126 | 107 | 114 | 125 | 133 | 111 | 119 | 129 | 138 | 117 | 125 | 136 | 145 | 123 | 131 | 143 | 152 | 127 | 135 | 147 | 157 | 123 | 131 | 143 | 152 | 127 | 135 | 147 | 157 | | | | | | | | | | | | | | | | |
| | MBh | 135.5 | 139.5 | 151.0 | 162.0 | 132.3 | 136.2 | 147.4 | 158.2 | 129.2 | 133.0 | 143.9 | 154.5 | 126.0 | 129.7 | 140.4 | 150.7 | 119.7 | 123.2 | 133.4 | 143.2 | 110.9 | 114.2 | 123.6 | 132.6 | 119.7 | 123.2 | 133.4 | 143.2 | 110.9 | 114.2 | 123.6 | 132.6 | | | | | | | | | | | | | | | | |
| | S/T | 0.76 | 0.68 | 0.52 | 0.33 | 0.79 | 0.71 | 0.53 | 0.34 | 0.81 | 0.72 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.36 | 0.87 | 0.78 | 0.59 | 0.38 | 0.88 | 0.78 | 0.59 | 0.38 | 0.87 | 0.78 | 0.59 | 0.38 | 0.88 | 0.78 | 0.59 | 0.38 | | | | | | | | | | | | | | | | |
| | ΔT | 24 | 22 | 18 | 12 | 24 | 22 | 18 | 13 | 24 | 22 | 18 | 13 | 24 | 22 | 18 | 13 | 24 | 22 | 18 | 12 | 22 | 21 | 17 | 12 | 24 | 22 | 18 | 12 | 22 | 21 | 17 | 12 | | | | | | | | | | | | | | | | |
| | kW | 10.27 | 10.49 | 10.82 | 11.17 | 11.07 | 11.31 | 11.67 | 12.06 | 11.77 | 12.03 | 12.43 | 12.84 | 12.39 | 12.67 | 13.09 | 13.53 | 12.92 | 13.21 | 13.65 | 14.12 | 13.38 | 13.68 | 14.14 | 14.62 | 12.92 | 13.21 | 13.65 | 14.12 | 13.38 | 13.68 | 14.14 | 14.62 | | | | | | | | | | | | | | | | |
| | HI PR | 247 | 266 | 281 | 293 | 277 | 298 | 315 | 328 | 315 | 339 | 358 | 374 | 359 | 386 | 408 | 425 | 404 | 435 | 459 | 479 | 446 | 480 | 507 | 529 | 404 | 435 | 459 | 479 | 446 | 480 | 507 | 529 | | | | | | | | | | | | | | | | |
| | LO PR | 101 | 107 | 117 | 124 | 106 | 113 | 123 | 131 | 110 | 117 | 128 | 137 | 116 | 123 | 135 | 143 | 121 | 129 | 141 | 150 | 126 | 134 | 146 | 155 | 121 | 129 | 141 | 150 | 126 | 134 | 146 | 155 | | | | | | | | | | | | | | | | |
| MBh | 125.0 | 128.7 | 139.3 | 149.5 | 122.1 | 125.7 | 136.1 | 146.1 | 119.2 | 122.7 | 132.8 | 142.6 | 116.3 | 119.7 | 129.6 | 139.1 | 110.5 | 113.8 | 123.1 | 132.1 | 102.3 | 105.4 | 114.1 | 122.4 | 110.5 | 113.8 | 123.1 | 132.1 | 102.3 | 105.4 | 114.1 | 122.4 | | | | | | | | | | | | | | | | | |
| S/T | 0.73 | 0.66 | 0.50 | 0.32 | 0.76 | 0.68 | 0.52 | 0.33 | 0.78 | 0.70 | 0.53 | 0.34 | 0.81 | 0.72 | 0.55 | 0.35 | 0.84 | 0.75 | 0.57 | 0.36 | 0.84 | 0.75 | 0.57 | 0.36 | 0.84 | 0.75 | 0.57 | 0.36 | 0.84 | 0.75 | 0.57 | 0.36 | | | | | | | | | | | | | | | | | |
| ΔT | 24 | 22 | 18 | 13 | 24 | 22 | 18 | 13 | 24 | 23 | 18 | 13 | 25 | 23 | 19 | 13 | 25 | 23 | 19 | 13 | 24 | 22 | 17 | 12 | 24 | 22 | 18 | 13 | 24 | 22 | 17 | 12 | | | | | | | | | | | | | | | | | |
| kW | 10.02 | 10.24 | 10.56 | 10.90 | 10.80 | 11.03 | 11.39 | 11.76 | 11.48 | 11.73 | 12.11 | 12.52 | 12.08 | 12.35 | 12.76 | 13.19 | 12.59 | 12.88 | 13.30 | 13.75 | 13.04 | 13.33 | 13.78 | 14.24 | 12.59 | 12.88 | 13.30 | 13.75 | 13.04 | 13.33 | 13.78 | 14.24 | | | | | | | | | | | | | | | | | |
| HI PR | 240 | 258 | 272 | 284 | 269 | 289 | 305 | 319 | 306 | 329 | 347 | 362 | 348 | 375 | 396 | 413 | 392 | 422 | 445 | 464 | 433 | 466 | 492 | 513 | 392 | 422 | 445 | 464 | 433 | 466 | 492 | 513 | | | | | | | | | | | | | | | | | |
| LO PR | 97 | 104 | 113 | 121 | 103 | 110 | 120 | 127 | 107 | 114 | 124 | 132 | 112 | 120 | 131 | 139 | 118 | 125 | 137 | 146 | 122 | 130 | 142 | 151 | 118 | 125 | 137 | 146 | 122 | 130 | 142 | 151 | | | | | | | | | | | | | | | | | |

IDB = Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid & suction service ports.
 Shaded area reflects ACCA (TVA) conditions
 Design Superheat 8±3 °F @ the compressor suction access fitting connection.
 Design Subcooling, 12±3 °F @ liquid access fitting connection AHRI 95 test conditions.

| IDB | | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|-------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|----|----|----|----|
| | | 65 | | | | | 75 | | | | | 85 | | | | | 95 | | | | | 105 | | | | | 115 | | | | |
| | | 59 | 63 | 67 | 71 | 75 | 59 | 63 | 67 | 71 | 75 | 59 | 63 | 67 | 71 | 75 | 59 | 63 | 67 | 71 | 75 | 59 | 63 | 67 | 71 | 75 | 59 | 63 | 67 | 71 | 75 |
| AIRFLOW | | ENTERING INDOOR WET BULB TEMPERATURE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4500 | MBh | 142.0 | 145.1 | 155.0 | 165.7 | 138.7 | 141.7 | 151.4 | 161.9 | 135.4 | 138.3 | 147.8 | 158.0 | 132.1 | 135.0 | 144.2 | 154.1 | 125.5 | 128.2 | 137.0 | 146.4 | 116.2 | 118.8 | 126.9 | 135.7 | | | | | | |
| | S/T | 0.88 | 0.82 | 0.67 | 0.50 | 0.91 | 0.85 | 0.69 | 0.52 | 0.93 | 0.87 | 0.71 | 0.53 | 0.96 | 0.90 | 0.73 | 0.55 | 1.00 | 0.94 | 0.76 | 0.57 | 1.00 | 0.94 | 0.77 | 0.57 | | | | | | |
| | ΔT | 25 | 24 | 21 | 17 | 26 | 25 | 21 | 17 | 26 | 25 | 21 | 17 | 26 | 25 | 22 | 17 | 26 | 25 | 21 | 17 | 24 | 23 | 20 | 16 | | | | | | |
| | kW | 10.44 | 10.66 | 11.00 | 11.36 | 11.25 | 11.50 | 11.87 | 12.26 | 11.97 | 12.23 | 12.64 | 13.06 | 12.60 | 12.88 | 13.31 | 13.76 | 13.14 | 13.44 | 13.89 | 14.36 | 13.60 | 13.91 | 14.38 | 14.88 | | | | | | |
| | HI PR | 252 | 271 | 286 | 299 | 283 | 304 | 321 | 335 | 322 | 346 | 365 | 381 | 366 | 394 | 416 | 434 | 412 | 443 | 468 | 488 | 455 | 490 | 517 | 539 | | | | | | |
| LO PR | 103 | 109 | 119 | 127 | 108 | 115 | 126 | 134 | 113 | 120 | 131 | 139 | 118 | 126 | 137 | 146 | 124 | 132 | 144 | 153 | 128 | 136 | 149 | 159 | | | | | | | |
| 80 | MBh | 137.9 | 140.9 | 150.5 | 160.9 | 134.7 | 137.6 | 147.0 | 157.1 | 131.4 | 134.3 | 143.5 | 153.4 | 128.2 | 131.0 | 140.0 | 149.7 | 121.8 | 124.5 | 133.0 | 142.2 | 112.9 | 115.3 | 123.2 | 131.7 | | | | | | |
| | S/T | 0.84 | 0.78 | 0.64 | 0.48 | 0.87 | 0.81 | 0.66 | 0.49 | 0.89 | 0.83 | 0.68 | 0.51 | 0.92 | 0.86 | 0.70 | 0.52 | 0.95 | 0.89 | 0.73 | 0.54 | 0.96 | 0.90 | 0.73 | 0.55 | | | | | | |
| | ΔT | 26 | 25 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 26 | 22 | 18 | 27 | 26 | 23 | 18 | 27 | 26 | 22 | 18 | 25 | 24 | 21 | 17 | | | | | | |
| | kW | 10.35 | 10.58 | 10.91 | 11.27 | 11.16 | 11.40 | 11.77 | 12.16 | 11.87 | 12.13 | 12.53 | 12.95 | 12.50 | 12.78 | 13.20 | 13.65 | 13.03 | 13.32 | 13.77 | 14.24 | 13.49 | 13.80 | 14.26 | 14.75 | | | | | | |
| | HI PR | 249 | 268 | 283 | 296 | 280 | 301 | 318 | 332 | 318 | 343 | 362 | 377 | 363 | 390 | 412 | 430 | 408 | 439 | 464 | 483 | 451 | 485 | 512 | 534 | | | | | | |
| LO PR | 102 | 108 | 118 | 126 | 107 | 114 | 125 | 133 | 111 | 119 | 129 | 138 | 117 | 125 | 136 | 145 | 123 | 131 | 143 | 152 | 127 | 135 | 147 | 157 | | | | | | | |
| 3500 | MBh | 127.2 | 130.0 | 138.9 | 148.5 | 124.3 | 127.0 | 135.7 | 145.0 | 121.3 | 124.0 | 132.5 | 141.6 | 118.4 | 120.9 | 129.2 | 138.1 | 112.4 | 114.9 | 122.8 | 131.2 | 104.2 | 106.4 | 113.7 | 121.6 | | | | | | |
| | S/T | 0.81 | 0.76 | 0.62 | 0.46 | 0.84 | 0.78 | 0.64 | 0.48 | 0.86 | 0.80 | 0.65 | 0.49 | 0.88 | 0.83 | 0.67 | 0.50 | 0.92 | 0.86 | 0.70 | 0.52 | 0.93 | 0.87 | 0.71 | 0.53 | | | | | | |
| | ΔT | 27 | 26 | 22 | 18 | 27 | 26 | 23 | 18 | 27 | 26 | 23 | 18 | 27 | 26 | 23 | 18 | 27 | 26 | 23 | 18 | 25 | 24 | 21 | 17 | | | | | | |
| | kW | 10.10 | 10.32 | 10.65 | 10.99 | 10.88 | 11.12 | 11.48 | 11.86 | 11.57 | 11.83 | 12.22 | 12.62 | 12.18 | 12.45 | 12.87 | 13.30 | 12.70 | 12.98 | 13.42 | 13.87 | 13.15 | 13.44 | 13.89 | 14.37 | | | | | | |
| | HI PR | 242 | 260 | 275 | 287 | 271 | 292 | 309 | 322 | 309 | 332 | 351 | 366 | 352 | 378 | 400 | 417 | 396 | 426 | 450 | 469 | 437 | 470 | 497 | 518 | | | | | | |
| LO PR | 98 | 105 | 114 | 122 | 104 | 111 | 121 | 129 | 108 | 115 | 126 | 134 | 114 | 121 | 132 | 140 | 119 | 127 | 138 | 147 | 123 | 131 | 143 | 152 | | | | | | | |
| 4500 | MBh | 144.5 | 147.3 | 154.2 | 164.6 | 141.1 | 143.8 | 150.7 | 160.7 | 137.8 | 140.4 | 147.1 | 156.9 | 134.4 | 137.0 | 143.5 | 153.1 | 127.7 | 130.1 | 136.3 | 145.4 | 118.3 | 120.6 | 126.3 | 134.7 | | | | | | |
| | S/T | 0.92 | 0.89 | 0.80 | 0.65 | 0.95 | 0.92 | 0.83 | 0.67 | 0.98 | 0.94 | 0.85 | 0.69 | 1.00 | 0.97 | 0.88 | 0.71 | 1.00 | 1.00 | 0.91 | 0.74 | 1.00 | 1.00 | 0.92 | 0.75 | | | | | | |
| | ΔT | 27 | 27 | 25 | 22 | 27 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 27 | 27 | 26 | 22 | 26 | 27 | 25 | 22 | 24 | 25 | 24 | 21 | | | | | | |
| | kW | 10.52 | 10.75 | 11.09 | 11.45 | 11.34 | 11.59 | 11.97 | 12.36 | 12.07 | 12.33 | 12.74 | 13.17 | 12.71 | 12.99 | 13.42 | 13.88 | 13.25 | 13.55 | 14.00 | 14.48 | 13.72 | 14.03 | 14.51 | 15.00 | | | | | | |
| | HI PR | 254 | 274 | 289 | 302 | 286 | 307 | 324 | 338 | 325 | 349 | 369 | 385 | 370 | 398 | 420 | 438 | 416 | 448 | 473 | 493 | 460 | 495 | 522 | 545 | | | | | | |
| LO PR | 104 | 110 | 120 | 128 | 109 | 116 | 127 | 135 | 114 | 121 | 132 | 141 | 119 | 127 | 139 | 148 | 125 | 133 | 145 | 155 | 129 | 138 | 150 | 160 | | | | | | | |
| 85 | MBh | 140.3 | 143.0 | 149.7 | 159.8 | 137.0 | 139.7 | 146.3 | 156.0 | 133.7 | 136.3 | 142.8 | 152.3 | 130.5 | 133.0 | 139.3 | 148.6 | 124.0 | 126.4 | 132.3 | 141.2 | 114.8 | 117.0 | 122.6 | 130.8 | | | | | | |
| | S/T | 0.88 | 0.85 | 0.76 | 0.62 | 0.91 | 0.88 | 0.79 | 0.64 | 0.93 | 0.90 | 0.81 | 0.66 | 0.96 | 0.93 | 0.84 | 0.68 | 1.00 | 0.96 | 0.87 | 0.70 | 1.00 | 0.97 | 0.88 | 0.71 | | | | | | |
| | ΔT | 28 | 28 | 26 | 23 | 29 | 28 | 27 | 23 | 29 | 28 | 27 | 23 | 29 | 28 | 27 | 23 | 28 | 28 | 26 | 23 | 26 | 26 | 25 | 21 | | | | | | |
| | kW | 10.44 | 10.66 | 11.00 | 11.36 | 11.25 | 11.50 | 11.87 | 12.26 | 11.97 | 12.23 | 12.64 | 13.06 | 12.60 | 12.88 | 13.31 | 13.76 | 13.14 | 13.44 | 13.89 | 14.36 | 13.60 | 13.91 | 14.38 | 14.88 | | | | | | |
| | HI PR | 252 | 271 | 286 | 299 | 283 | 304 | 321 | 335 | 322 | 346 | 365 | 381 | 366 | 394 | 416 | 434 | 412 | 443 | 468 | 488 | 455 | 490 | 517 | 539 | | | | | | |
| LO PR | 103 | 109 | 119 | 127 | 108 | 115 | 126 | 134 | 113 | 120 | 131 | 139 | 118 | 126 | 137 | 146 | 124 | 132 | 144 | 153 | 128 | 136 | 149 | 159 | | | | | | | |
| 3500 | MBh | 129.5 | 132.0 | 138.2 | 147.5 | 126.5 | 128.9 | 135.0 | 144.0 | 123.4 | 125.8 | 131.8 | 140.6 | 120.4 | 122.8 | 128.6 | 137.2 | 114.4 | 116.6 | 122.1 | 130.3 | 106.0 | 108.0 | 113.1 | 120.7 | | | | | | |
| | S/T | 0.85 | 0.82 | 0.74 | 0.60 | 0.88 | 0.85 | 0.76 | 0.62 | 0.90 | 0.87 | 0.78 | 0.63 | 0.93 | 0.89 | 0.81 | 0.65 | 0.96 | 0.93 | 0.84 | 0.68 | 0.97 | 0.94 | 0.84 | 0.69 | | | | | | |
| | ΔT | 29 | 28 | 27 | 23 | 29 | 29 | 27 | 23 | 29 | 29 | 27 | 23 | 29 | 29 | 27 | 24 | 29 | 28 | 27 | 23 | 27 | 27 | 25 | 22 | | | | | | |
| | kW | 10.18 | 10.40 | 10.73 | 11.08 | 10.97 | 11.21 | 11.57 | 11.96 | 11.67 | 11.93 | 12.32 | 12.73 | 12.28 | 12.56 | 12.97 | 13.41 | 12.81 | 13.09 | 13.53 | 13.99 | 13.26 | 13.56 | 14.01 | 14.49 | | | | | | |
| | HI PR | 244 | 263 | 278 | 290 | 274 | 295 | 312 | 325 | 312 | 336 | 354 | 370 | 355 | 382 | 404 | 421 | 400 | 430 | 454 | 474 | 442 | 475 | 502 | 523 | | | | | | |
| LO PR | 99 | 106 | 116 | 123 | 105 | 112 | 122 | 130 | 109 | 116 | 127 | 135 | 115 | 122 | 133 | 142 | 120 | 128 | 140 | 149 | 124 | 132 | 144 | 154 | | | | | | | |

IDB = Entering Indoor Dry Bulb Temperature
 High & low pressures are measured at the liquid & suction service ports.
 Shaded area reflects AHRI rating conditions
 Design Superheat 8±3 °F @ the compressor suction access fitting connection.
 Design Subcooling, 12±3 °F @ liquid access fitting connection AHRI 95 test conditions.

DCH090

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 113.1 | 107.1 | 100.8 | 94.2 | 90 | 87.2 | 81.0 | 74.7 | 56.1 | 51.8 | 47.7 | 45.0 | 43.3 | 38.9 | 34.5 | 30.1 | 25.7 | 21.0 |
| T/R | 34.9 | 33.1 | 31.1 | 29.1 | 27.8 | 26.9 | 25.0 | 23.1 | 17.3 | 16.0 | 14.7 | 13.9 | 13.4 | 12.0 | 10.6 | 9.3 | 7.9 | 6.5 |
| kW | 8.21 | 8.06 | 7.90 | 7.75 | 7.66 | 7.59 | 7.45 | 7.29 | 6.65 | 6.51 | 6.37 | 6.29 | 6.23 | 6.09 | 5.95 | 5.82 | 5.67 | 5.54 |
| Amps | 29.98 | 28.23 | 26.82 | 25.60 | 24.9 | 24.54 | 23.51 | 22.62 | 21.93 | 21.23 | 20.51 | 20.17 | 19.99 | 19.29 | 18.42 | 17.71 | 16.84 | 15.79 |
| COP | 4.0 | 3.9 | 3.7 | 3.6 | 3.4 | 3.4 | 3.2 | 3.0 | 2.5 | 2.3 | 2.2 | 2.1 | 2.0 | 1.9 | 1.7 | 1.5 | 1.3 | 1.1 |
| HI PR | 424 | 406 | 390 | 373 | 365 | 358 | 344 | 330 | 316 | 302 | 290 | 283 | 278 | 267 | 257 | 246 | 238 | 229 |
| LO PR | 134 | 124 | 117 | 107 | 101 | 97 | 89 | 80 | 72 | 64 | 56 | 52 | 51 | 43 | 37 | 31 | 27 | 21 |

DCH102

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 128.2 | 121.4 | 114.2 | 106.8 | 102 | 98.8 | 91.8 | 84.7 | 69.2 | 63.8 | 58.8 | 55.5 | 53.4 | 48.0 | 42.5 | 37.1 | 31.6 | 25.9 |
| T/R | 34.9 | 33.1 | 31.1 | 29.1 | 27.8 | 26.9 | 25.0 | 23.1 | 18.8 | 17.4 | 16.0 | 15.1 | 14.6 | 13.1 | 11.6 | 10.1 | 8.6 | 7.1 |
| kW | 9.34 | 9.17 | 8.99 | 8.82 | 8.72 | 8.64 | 8.48 | 8.30 | 7.83 | 7.66 | 7.50 | 7.41 | 7.34 | 7.17 | 7.01 | 6.85 | 6.68 | 6.52 |
| Amps | 37.57 | 35.17 | 33.25 | 31.57 | 30.6 | 30.13 | 28.71 | 27.51 | 26.55 | 25.60 | 24.63 | 24.16 | 23.91 | 22.95 | 21.77 | 20.79 | 19.61 | 18.17 |
| COP | 4.0 | 3.9 | 3.7 | 3.5 | 3.4 | 3.3 | 3.2 | 3.0 | 2.6 | 2.4 | 2.3 | 2.2 | 2.1 | 2.0 | 1.8 | 1.6 | 1.4 | 1.2 |
| HI PR | 419 | 401 | 386 | 369 | 360 | 354 | 340 | 326 | 312 | 298 | 287 | 280 | 275 | 264 | 254 | 244 | 235 | 227 |
| LO PR | 136 | 126 | 118 | 108 | 103 | 99 | 91 | 81 | 73 | 65 | 57 | 53 | 51 | 43 | 37 | 32 | 28 | 22 |

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

kW = Total system power

High pressure is measured at the liquid line gauge port connection

Amps = Outdoor unit amps (comp.+fan)

Low pressure is measured at the compressor suction gauge port connection.

Design Super Heat 7°± 2 @ Suction Service Port 47 test condition

DCH120

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 150.8 | 142.8 | 134.4 | 125.6 | 120 | 116.3 | 108.0 | 99.6 | 87.7 | 81.0 | 74.6 | 70.4 | 67.8 | 60.8 | 53.9 | 47.0 | 40.1 | 32.9 |
| T/R | 34.9 | 33.1 | 31.1 | 29.1 | 27.8 | 26.9 | 25.0 | 23.1 | 20.3 | 18.7 | 17.3 | 16.3 | 15.7 | 14.1 | 12.5 | 10.9 | 9.3 | 7.6 |
| kW | 10.70 | 10.50 | 10.31 | 10.11 | 10.0 | 9.92 | 9.73 | 9.54 | 8.65 | 8.47 | 8.30 | 8.20 | 8.13 | 7.95 | 7.78 | 7.61 | 7.44 | 7.27 |
| Amps | 41.27 | 38.87 | 36.93 | 35.26 | 34.3 | 33.81 | 32.39 | 31.18 | 30.22 | 29.27 | 28.29 | 27.82 | 27.57 | 26.61 | 25.42 | 24.44 | 23.26 | 21.81 |
| COP | 4.1 | 4.0 | 3.8 | 3.6 | 3.5 | 3.4 | 3.2 | 3.1 | 3.0 | 2.8 | 2.6 | 2.5 | 2.4 | 2.2 | 2.0 | 1.8 | 1.6 | 1.3 |
| HI PR | 439 | 421 | 405 | 387 | 378 | 371 | 356 | 342 | 328 | 313 | 301 | 293 | 288 | 277 | 266 | 256 | 246 | 238 |
| LO PR | 133 | 123 | 115 | 106 | 100 | 96 | 89 | 79 | 71 | 64 | 56 | 52 | 50 | 42 | 37 | 31 | 27 | 21 |

DCH150

| | OUTDOOR AMBIENT TEMPERATURE | | | | | | | | | | | | | | | | | |
|-------|-----------------------------|-------|-------|-------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 65 | 60 | 55 | 50 | 47 | 45 | 40 | 35 | 30 | 25 | 20 | 17 | 15 | 10 | 5 | 0 | -5 | -10 |
| MBh | 178.5 | 169.0 | 159.0 | 148.7 | 142 | 137.6 | 127.8 | 117.9 | 104.7 | 96.6 | 89.0 | 84.0 | 80.9 | 72.6 | 64.3 | 56.1 | 47.9 | 39.2 |
| T/R | 39.4 | 37.3 | 35.1 | 32.8 | 31.3 | 30.3 | 28.2 | 26.0 | 23.1 | 21.3 | 19.6 | 18.5 | 17.8 | 16.0 | 14.2 | 12.4 | 10.6 | 8.6 |
| kW | 13.89 | 13.64 | 13.39 | 13.14 | 13.0 | 12.89 | 12.65 | 12.40 | 12.36 | 12.10 | 11.85 | 11.70 | 11.60 | 11.34 | 11.09 | 10.85 | 10.59 | 10.34 |
| COP | 3.76 | 3.62 | 3.48 | 3.31 | 3.2 | 3.12 | 2.96 | 2.78 | 2.48 | 2.34 | 2.20 | 2.10 | 2.04 | 1.87 | 1.70 | 1.51 | 1.32 | 1.11 |
| HI PR | 471 | 452 | 434 | 415 | 405 | 398 | 382 | 367 | 351 | 336 | 322 | 315 | 309 | 297 | 286 | 274 | 264 | 255 |
| LO PR | 129 | 120 | 113 | 103 | 98 | 94 | 86 | 77 | 69 | 62 | 54 | 51 | 49 | 41 | 36 | 30 | 26 | 21 |

Above information is for nominal CFM and 70 degree indoor dry bulb. Instantaneous capacity listed.

kW = Total system power

High pressure is measured at the liquid line gauge port connection

Amps = Outdoor unit amps (comp.+fan)

Low pressure is measured at the compressor suction gauge port connection.

Design Super Heat 7°± 2 @ Suction Service Port 47 test condition

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3617 | 704 | 1.07 | 3293 | 653 | 0.84 |
| 0.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3541 | 749 | 1.15 | 3179 | 704 | 0.88 |
| 0.5 | --- | --- | --- | --- | --- | --- | 3447 | 798 | 1.23 | 3049 | 754 | 0.94 | 2606 | 710 | 0.71 | --- | --- | --- |
| 0.7 | --- | --- | --- | 3400 | 848 | 1.33 | 2950 | 798 | 1.01 | 2474 | 754 | 0.75 | --- | --- | --- | --- | --- | --- |
| 0.9 | 3303 | 890 | 1.41 | 2871 | 848 | 1.11 | 2408 | 804 | 0.82 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1 | 2838 | 897 | 1.23 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | 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 |
| 0.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3401 | 909 | 1.51 |
| 1.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3428 | 965 | 1.71 | 2943 | 915 | 1.3 |
| 1.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3471 | 1015 | 1.9 | 3012 | 971 | 1.5 | 2423 | 920 | 1.12 |
| 1.5 | --- | --- | --- | --- | --- | --- | 3722 | 1063 | 2.25 | 3041 | 1023 | 1.67 | 2503 | 976 | 1.31 | --- | --- | --- |
| 1.7 | --- | --- | --- | --- | --- | --- | 3359 | 1075 | 2.04 | 2540 | 1031 | 1.5 | --- | --- | --- | --- | --- | --- |
| 1.9 | --- | --- | --- | 3381 | 1119 | 2.22 | 2890 | 1080 | 1.78 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.1 | --- | --- | --- | 3089 | 1129 | 2.04 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3625 | 701 | 1.08 | 3309 | 660 | 0.86 |
| 0.3 | --- | --- | --- | --- | --- | --- | 3815 | 797 | 1.44 | 3468 | 747 | 1.11 | 3177 | 703 | 0.88 | 2796 | 663 | 0.68 |
| 0.5 | --- | --- | --- | 3780 | 841 | 1.52 | 3405 | 803 | 1.23 | 3053 | 753 | 0.94 | 2608 | 709 | 0.68 | 2225 | 665 | 0.53 |
| 0.7 | 3687 | 885 | 1.6 | 3327 | 847 | 1.29 | 2968 | 805 | 1.02 | 2423 | 758 | 0.73 | --- | --- | --- | --- | --- | --- |
| 0.9 | 3236 | 891 | 1.39 | 2850 | 852 | 1.1 | 2352 | 807 | 0.8 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1 | 2713 | 896 | 1.17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | 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 |
| 0.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3447 | 902 | 1.54 |
| 1.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3398 | 956 | 1.65 | 3006 | 908 | 1.31 |
| 1.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3486 | 1008 | 1.87 | 2960 | 962 | 1.44 | --- | --- | --- |
| 1.5 | --- | --- | --- | --- | --- | --- | 3514 | 1057 | 2.07 | 2949 | 1019 | 1.62 | --- | --- | --- | --- | --- | --- |
| 1.7 | --- | --- | --- | 3388 | 1103 | 2.18 | 3036 | 1069 | 1.84 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.9 | --- | --- | --- | 2959 | 1114 | 2.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.1 | --- | --- | --- | 2527 | 1124 | 1.86 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

NOTES

- Assume dry coil with filter in place; CFM correction for wet coil = 3%
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Applications that exceed the above
- could require a larger motor. Minimum rated SCFM is 350 per ton.

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3467 | 701 | 1.04 | 3143 | 650 | 0.81 |
| 0.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3391 | 746 | 1.12 | 3029 | 701 | 0.85 | 2607 | 653 | 0.63 |
| 0.5 | --- | --- | --- | --- | --- | --- | 3297 | 795 | 1.20 | 2899 | 751 | 0.91 | 2456 | 707 | 0.68 | --- | --- | --- |
| 0.7 | --- | --- | --- | 3250 | 845 | 1.30 | 2800 | 795 | 0.98 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.9 | 3153 | 887 | 1.38 | 2721 | 845 | 1.08 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1 | 2688 | 894 | 1.20 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | 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 |
| 0.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3251 | 906 | 1.48 |
| 1.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3278 | 962 | 1.68 | 2793 | 912 | 1.27 |
| 1.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3321 | 1012 | 1.87 | 2862 | 968 | 1.47 | --- | --- | --- |
| 1.5 | --- | --- | --- | --- | --- | --- | 3572 | 1060 | 2.22 | 2891 | 1020 | 1.64 | --- | --- | --- | --- | --- | --- |
| 1.7 | --- | --- | --- | --- | --- | --- | 3209 | 1072 | 2.01 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.9 | --- | --- | --- | 3231 | 1116 | 2.19 | 2740 | 1077 | 1.75 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.1 | 3256 | 1156 | 2.31 | 2939 | 1126 | 2.01 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED STANDARD BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3475 | 698 | 1.05 | 3159 | 657 | 0.83 |
| 0.3 | --- | --- | --- | --- | --- | --- | 3665 | 794 | 1.41 | 3318 | 744 | 1.08 | 3027 | 700 | 0.85 | 2646 | 660 | 0.65 |
| 0.5 | --- | --- | --- | 3630 | 838 | 1.49 | 3255 | 800 | 1.2 | 2903 | 750 | 0.91 | 2458 | 706 | 0.65 | --- | --- | --- |
| 0.7 | 3537 | 882 | 1.57 | 3177 | 844 | 1.26 | 2818 | 802 | 0.99 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0.9 | 3086 | 888 | 1.36 | 2700 | 849 | 1.07 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.1 | 2563 | 893 | 1.14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | 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 |
| 0.9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3297 | 899 | 1.51 |
| 1.1 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3248 | 953 | 1.62 | 2856 | 905 | 1.28 |
| 1.3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 3336 | 1005 | 1.84 | 2810 | 959 | 1.41 | --- | --- | --- |
| 1.5 | --- | --- | --- | --- | --- | --- | 3364 | 1054 | 2.04 | 2799 | 1016 | 1.59 | --- | --- | --- | --- | --- | --- |
| 1.7 | --- | --- | --- | 3238 | 1100 | 2.15 | 2886 | 1066 | 1.81 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.9 | 3188 | 1146 | 2.23 | 2809 | 1111 | 1.97 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

NOTES

- Assume dry coil with filter in place; CFM correction for wet coil = 3%
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Applications that exceed the above
- could require a larger motor. Minimum rated SCFM is 350 per ton.

TWO-SPEED BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | 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 |
| 0.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4629 | 774 | 1.76 | 4269 | 733 | 1.42 |
| 0.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4539 | 824 | 1.86 | 4198 | 781 | 1.53 | 3797 | 735 | 1.21 |
| 0.6 | --- | --- | --- | --- | --- | --- | 4511 | 868 | 2.01 | 4103 | 829 | 1.63 | 3752 | 787 | 1.33 | 3312 | 745 | 1.03 |
| 0.8 | --- | --- | --- | 4445 | 912 | 2.14 | 4144 | 873 | 1.81 | 3695 | 833 | 1.45 | 3180 | 790 | 1.07 | --- | --- | --- |
| 1 | 4418 | 956 | 2.3 | 4073 | 917 | 1.92 | 3661 | 879 | 1.55 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.2 | 4064 | 967 | 2.09 | 3518 | 923 | 1.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.4 | 3555 | 972 | 1.77 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4288 | 2.63 | 4681 | 937 | 2.38 | 4206 | 891 | 1.91 |
| 1.0 | --- | --- | --- | --- | --- | --- | --- | 4273 | --- | 2.83 | 3858 | 2.37 | 4288 | 948 | 2.19 | 3721 | 897 | 1.63 |
| 1.2 | --- | --- | --- | --- | --- | --- | 4296 | 3.07 | 3780 | 2.52 | 3327 | 2.08 | 3845 | 954 | 1.91 | --- | --- | --- |
| 1.4 | --- | --- | 4551 | 3.81 | 4257 | 3.31 | 3706 | 2.65 | 3197 | 2.17 | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.6 | --- | --- | 4083 | 3.42 | 3842 | 2.99 | 3116 | 2.22 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.8 | 4230 | 3.78 | 3809 | 3.18 | 3285 | 2.66 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.0 | 3859 | 3.45 | 3322 | 2.87 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.2 | 3445 | 3.11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | 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 |
| 0.2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4707 | 724 | 1.62 |
| 0.4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4679 | 774 | 1.78 | 4235 | 730 | 1.4 |
| 0.6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4595 | 822 | 1.91 | 4223 | 780 | 1.55 | 3679 | 735 | 1.16 |
| 0.8 | --- | --- | --- | --- | --- | --- | 4468 | 862 | 1.96 | 4121 | 824 | 1.64 | 3596 | 785 | 1.26 | --- | --- | --- |
| 1 | --- | --- | --- | 4349 | 907 | 2.06 | 3990 | 868 | 1.72 | 3463 | 829 | 1.31 | --- | --- | --- | --- | --- | --- |
| 1.2 | 4486 | 962 | 2.35 | 3923 | 918 | 1.84 | 3267 | 879 | 1.33 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.4 | 3990 | 967 | 2.03 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | 4388 | 2.74 | 4681 | 937 | 2.38 | 4206 | 891 | 1.91 |
| 1.0 | --- | --- | --- | --- | --- | --- | --- | 4374 | --- | 2.95 | 4039 | 2.52 | 4288 | 948 | 2.19 | 3721 | 897 | 1.63 |
| 1.2 | --- | --- | --- | --- | --- | --- | 4406 | 3.22 | 3975 | 2.67 | 3451 | 2.15 | 3845 | 954 | 1.91 | --- | --- | --- |
| 1.4 | --- | --- | --- | --- | 4320 | 3.36 | 3965 | 2.90 | 3505 | 2.38 | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.6 | --- | --- | 4378 | 3.61 | 3493 | 2.72 | 3381 | 2.52 | 3015 | 2.06 | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.8 | 4440 | 3.77 | 3729 | 3.07 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.0 | 4015 | 3.38 | 3080 | 2.52 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.2 | 3522 | 2.96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | TURNS OPEN | | | | | | | | | | | |
|------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| 0.2 | --- | --- | 5605 | 2.74 | 5271 | 2.32 | 4915 | 1.95 | 4587 | 1.63 | 4185 | 1.32 |
| 0.4 | 5548 | 2.96 | 5202 | 2.51 | 4792 | 2.09 | 4439 | 1.73 | 4073 | 1.43 | 3606 | 1.14 |
| 0.6 | 5136 | 2.71 | 4533 | 2.14 | 4315 | 1.84 | 3860 | 1.51 | --- | --- | --- | --- |
| 0.8 | 4692 | 2.51 | 3931 | 1.86 | 3742 | 1.60 | --- | --- | --- | --- | --- | --- |
| 1.0 | 4166 | 2.17 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — DOWN SHOT

| ESP (IN W.C.) | TURNS OPEN | | | | | | | | | | | |
|------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| 0.8 | --- | --- | --- | --- | --- | --- | 5332 | 3.64 | 4910 | 3.09 | 4479 | 2.55 |
| 1.0 | --- | --- | 5660 | 4.52 | 5271 | 3.87 | 4827 | 3.28 | 4361 | 2.74 | 3932 | 2.22 |
| 1.2 | 5582 | 5.05 | 5187 | 4.12 | 4802 | 3.52 | 4332 | 2.93 | 3822 | 2.38 | --- | --- |
| 1.4 | 5174 | 4.65 | 4707 | 3.69 | 4260 | 3.09 | 3683 | 2.48 | --- | --- | --- | --- |
| 1.6 | 4695 | 4.23 | 4208 | 3.28 | 3586 | 2.61 | --- | --- | --- | --- | --- | --- |
| 1.8 | 4187 | 3.79 | 3680 | 2.86 | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.0 | 3602 | 3.30 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | TURNS OPEN | | | | | | | | | | | |
|------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| 0.2 | 5230 | 3.15 | 4998 | 2.72 | 4592 | 2.24 | 4474 | 1.99 | 4160 | 1.67 | 3825 | 1.40 |
| 0.4 | 4933 | 2.92 | 4619 | 2.47 | 4244 | 2.05 | 4063 | 1.79 | 3722 | 1.48 | --- | --- |
| 0.6 | 4602 | 2.69 | 4220 | 2.22 | 3840 | 1.84 | 3652 | 1.58 | --- | --- | --- | --- |
| 0.8 | 4265 | 2.46 | 3797 | 1.98 | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.0 | 3883 | 2.21 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

TWO-SPEED HIGH-STATIC BELT DRIVE AT HIGH SPEED — HORIZONTAL

| ESP (IN W.C.) | TURNS OPEN | | | | | | | | | | | |
|------------------|------------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP | CFM | BHP |
| 0.8 | 5592 | 4.84 | 5460 | 4.22 | 5178 | 3.74 | 4851 | 3.32 | 4481 | 2.84 | 4115 | 2.38 |
| 1.0 | 5436 | 4.52 | 5120 | 3.92 | 4770 | 3.41 | 4445 | 3.02 | 4087 | 2.57 | 3673 | 2.13 |
| 1.2 | 5125 | 4.22 | 4780 | 3.62 | 4354 | 3.08 | 4036 | 2.73 | 3670 | 2.88 | --- | --- |
| 1.4 | 4795 | 3.91 | 4421 | 3.31 | 3990 | 2.81 | 3602 | 2.42 | --- | --- | --- | --- |
| 1.6 | 4410 | 3.57 | 4036 | 3.00 | 3652 | 2.57 | --- | --- | --- | --- | --- | --- |
| 1.8 | 3996 | 3.22 | 3593 | 2.66 | --- | --- | --- | --- | --- | --- | --- | --- |
| 2.0 | 3760 | 2.96 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

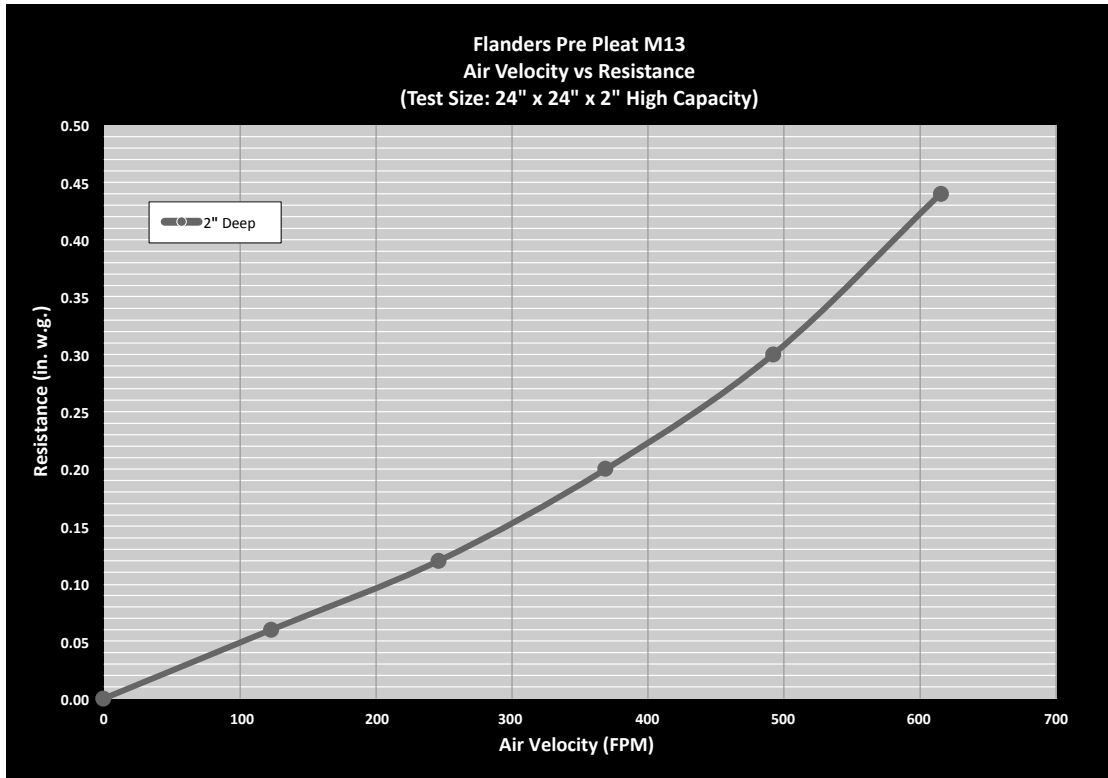
NOTES

- Assume dry coil with filter in place; CFM correction for wet coil = 3%
- Any adjustment made to the blower should not cause the motor to draw more than the motor rated RLA. Application that exceed the above could require a larger motor. Minimum rated SCFM is 350 per ton.

AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 7.5 TO 12.5 TON ROOFTOP UNITS (100% RETURN AIR)

| | | | | | | | | |
|--------|------|------|------|------|------|------|------|------|
| SCFM | 2000 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000 | 5500 |
| in. WG | 0.02 | 0.04 | 0.06 | 0.09 | 0.13 | 0.18 | 0.23 | 0.29 |

HIGH EFFICIENCY MERV 13 AIR FILTER OPTION



| TONNAGE: | FILTER NOMINAL SIZE: | PART NUMBER: | ORDER QTY: |
|------------------|----------------------|--------------|------------|
| 7.5 | 16 x 20 x 2 | 0160L00205 | 4 |
| 7.5(HP), 8.5, 10 | 16 X 24 X 2 | 0160L00206 | 4 |
| 12.5 | 20 x 20 x 2 | 0160L00201 | 4 |
| | 14 x 20 x 2 | 0160L00204 | 2 |

CRANKCASE HEATER SELECTION TABLE

| ZP/ZPS... | COMPRESSOR DIAMETER | COMPRESSOR VOLTAGE | | | CRANKCASE HEATER WATTS |
|-----------|---------------------|--------------------|-------------|-------------|------------------------|
| | | 230V | 460V | 575V | |
| 16-31 | 5.5" | 0163R00002S | 0163R00031S | 0163R00032S | 40 |
| 39-83 | 6.58/7.3" | 0130L00017S | 0130L00018S | 0130L00019S | 70 |
| 103-137 | 9.14" | 0130L00020S | 0130L00021S | 0130L00022S | 90 |

| DC* TONNAGE | COMPRESSOR VOLTAGE | | | CRANKCASE HEATER WATTS |
|------------------|--------------------|-------------|-------------|------------------------|
| | 230V | 460V | 575V | |
| 7.5 Ton-12.5 Ton | 0130L00017S | 0130L00018S | 0130L00019S | 70 |

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR CIRCUIT 1 | | COMPRESSOR CIRCUIT 2 | | OUTDOOR FAN MOTOR | | | INDOOR FAN MOTOR | | | OPTIONAL ELECTRIC HEAT | | | OPTIONAL POWERED CONVENIENCE OUTLET | UNIT POWER SUPPLY | |
|--------------|-------------------|----------------------|-----------|----------------------|-----------|-------------------|------|-----|--------------------------------|------|-----|------------------------|-------------|-------------|-------------------------------------|-------------------|-----------|
| | | RLA | LRA | RLA | LRA | QTY | HP | FLA | TYPE | HP | FLA | MODEL | KW* | FLA | FLA | MCA | MOP |
| DCH090XXX3W | 208/230-3-60 | 13.1 | 83.1 | 13.1 | 83.1 | 2 | 0.25 | 1.4 | 2-speed High Static Belt Drive | 2.00 | 6.0 | - | - | - | - | 38.4 / 38.4 | 50 / 50 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 77.5 / 83.5 | 80 / 90 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 116 / 128 | 125 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 155 / 173 | 175 / 175 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 45.6 / 44.9 | 50 / 50 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 84.7 / 90.0 | 90 / 90 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 123 / 135 | 125 / 150 |
| EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 163 / 180 | 175 / 200 | | | | | | | | | | | | |
| DCH090XXX3V | 208/230-3-60 | 13.1 | 83.1 | 13.1 | 83.1 | 2 | 0.25 | 1.4 | 2-speed Belt Drive | 2.00 | 6.0 | - | - | - | - | 38.4 / 38.4 | 50 / 50 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 77.5 / 83.5 | 80 / 90 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 116 / 128 | 125 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 155 / 173 | 175 / 175 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 45.6 / 44.9 | 50 / 50 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 84.7 / 90.0 | 90 / 90 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 123 / 135 | 125 / 150 |
| EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 163 / 180 | 175 / 200 | | | | | | | | | | | | |
| DCH090XXX4W | 460-3-60 | 6.1 | 41.0 | 6.1 | 41.0 | 2 | 0.25 | 0.7 | 2-speed High Static Belt Drive | 2.00 | 2.9 | - | - | - | - | 18.0 | 20 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 40.6 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 63.0 | 70 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 85.5 | 90 |
| | | | | | | | | | | | | - | - | - | 3.3 | 21.3 | 25 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 43.9 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 66.3 | 70 |
| EHK4-45 | 44.9 | 54.0 | 3.3 | 88.8 | 90 | | | | | | | | | | | | |
| DCH090XXX4V | 460-3-60 | 6.1 | 41.0 | 6.1 | 41.0 | 2 | 0.25 | 0.7 | 2-speed Belt Drive | 2.00 | 2.9 | - | - | - | - | 18.0 | 20 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 40.6 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 63.0 | 70 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 85.5 | 90 |
| | | | | | | | | | | | | - | - | - | 3.3 | 21.3 | 25 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 43.9 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 66.3 | 70 |
| EHK4-45 | 44.9 | 54.0 | 3.3 | 88.8 | 90 | | | | | | | | | | | | |
| DCH090XXX7W | 575-3-60 | 4.4 | 33.0 | 4.4 | 33.0 | 2 | 0.25 | 0.6 | 2-speed High Static Belt Drive | 2.00 | 2.4 | - | - | - | - | 13.4 | 15 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 32.2 | 35 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 50.9 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 69.8 | 70 |
| | | | | | | | | | | | | - | - | - | 2.6 | 16.0 | 20 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 34.8 | 35 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 53.5 | 60 |
| EHK7-45 | 44.9 | 45.1 | 2.6 | 72.4 | 80 | | | | | | | | | | | | |
| DCH090XXX7V | 575-3-60 | 4.4 | 33.0 | 4.4 | 33.0 | 2 | 0.25 | 0.6 | 2-speed Belt Drive | 2.00 | 2.4 | - | - | - | - | 13.4 | 15 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 32.2 | 35 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 50.9 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 69.8 | 70 |
| | | | | | | | | | | | | - | - | - | 2.6 | 16.0 | 20 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 34.8 | 35 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 53.5 | 60 |
| EHK7-45 | 44.9 | 45.1 | 2.6 | 72.4 | 80 | | | | | | | | | | | | |

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR CIRCUIT 1 | | COMPRESSOR CIRCUIT 2 | | OUTDOOR FAN MOTOR | | | INDOOR FAN MOTOR | | | OPTIONAL ELECTRIC HEAT | | | OPTIONAL POWERED CONVENIENCE OUTLET | UNIT POWER SUPPLY | |
|--------------|-------------------|----------------------|-----------|----------------------|-----------|-------------------|------|-----|--------------------------------|------|-----|------------------------|-------------|-------------|-------------------------------------|-------------------|-----------|
| | | RLA | LRA | RLA | LRA | QTY | HP | FLA | TYPE | HP | FLA | MODEL | KW* | FLA | FLA | MCA | MOP |
| DCH102XXX3W | 208/230-3-60 | 14.5 | 98.0 | 14.5 | 98.0 | 2 | 0.33 | 2.3 | 2-speed High Static Belt Drive | 2.00 | 6.0 | - | - | - | 43.2 / 43.2 | 50 / 50 | |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 82.3 / 88.3 | 90 / 90 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 121 / 133 | 125 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 160 / 178 | 175 / 200 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 50.4 / 49.7 | 60 / 60 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 89.5 / 94.8 | 90 / 100 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 128 / 140 | 150 / 150 |
| EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 167 / 185 | 175 / 200 | | | | | | | | | | | | |
| DCH102XXX3V | 208/230-3-60 | 14.5 | 98.0 | 14.5 | 98.0 | 2 | 0.33 | 2.3 | 2-speed Belt Drive | 2.00 | 6.0 | - | - | - | 43.2 / 43.2 | 50 / 50 | |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 82.3 / 88.3 | 90 / 90 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 121 / 133 | 125 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 160 / 178 | 175 / 200 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 50.4 / 49.7 | 60 / 60 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 89.5 / 94.8 | 90 / 100 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 128 / 140 | 150 / 150 |
| EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 167 / 185 | 175 / 200 | | | | | | | | | | | | |
| DCH102XXX4W | 460-3-60 | 6.3 | 55.0 | 6.3 | 55.0 | 2 | 0.33 | 1.1 | 2-speed High Static Belt Drive | 2.00 | 2.9 | - | - | - | 19.4 | 25 | |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 41.9 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 64.3 | 70 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 86.9 | 90 |
| | | | | | | | | | | | | - | - | - | 3.3 | 22.7 | 25 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 45.2 | 50 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 67.6 | 70 |
| EHK4-45 | 44.9 | 54.0 | 3.3 | 90.2 | 100 | | | | | | | | | | | | |
| DCH102XXX4V | 460-3-60 | 6.3 | 55.0 | 6.3 | 55.0 | 2 | 0.33 | 1.1 | 2-speed Belt Drive | 2.00 | 2.9 | - | - | - | 19.4 | 25 | |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 41.9 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 64.3 | 70 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 86.9 | 90 |
| | | | | | | | | | | | | - | - | - | 3.3 | 22.7 | 25 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 45.2 | 50 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 67.6 | 70 |
| EHK4-45 | 44.9 | 54.0 | 3.3 | 90.2 | 100 | | | | | | | | | | | | |
| DCH102XXX7W | 575-3-60 | 6.0 | 41.0 | 6.0 | 41.0 | 2 | 0.33 | 0.9 | 2-speed High Static Belt Drive | 2.00 | 2.4 | - | - | - | 17.8 | 20 | |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 36.6 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 55.3 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 74.1 | 80 |
| | | | | | | | | | | | | - | - | - | 2.6 | 20.4 | 25 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 39.2 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 57.9 | 60 |
| EHK7-45 | 44.9 | 45.1 | 2.6 | 76.7 | 80 | | | | | | | | | | | | |
| DCH102XXX7V | 575-3-60 | 6.0 | 41.0 | 6.0 | 41.0 | 2 | 0.33 | 0.9 | 2-speed Belt Drive | 2.00 | 2.4 | - | - | - | 17.8 | 20 | |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 36.6 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 55.3 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 74.1 | 80 |
| | | | | | | | | | | | | - | - | - | 2.6 | 20.4 | 25 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 39.2 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 57.9 | 60 |
| EHK7-45 | 44.9 | 45.1 | 2.6 | 76.7 | 80 | | | | | | | | | | | | |

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR CIRCUIT 1 | | COMPRESSOR CIRCUIT 2 | | OUTDOOR FAN MOTOR | | | INDOOR FAN MOTOR | | | OPTIONAL ELECTRIC HEAT | | | OPTIONAL POWERED CONVENIENCE OUTLET | UNIT POWER SUPPLY | |
|--------------|-------------------|----------------------|-------|----------------------|-------|-------------------|------|-----|--------------------------------|------|------|------------------------|-------------|-------------|-------------------------------------|-------------------|-----------|
| | | RLA | LRA | RLA | LRA | QTY | HP | FLA | TYPE | HP | FLA | MODEL | KW* | FLA | FLA | MCA | MOP |
| DCH120XXX3W | 208/230-3-60 | 16.0 | 110.0 | 16.0 | 110.0 | 2 | 0.33 | 2.0 | 2-speed High Static Belt Drive | 5.00 | 14.0 | - | - | - | - | 53.9 / 53.9 | 60 / 60 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 93.0 / 99.0 | 100 / 100 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 132 / 144 | 150 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 171 / 189 | 175 / 200 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 61.1 / 60.4 | 70 / 70 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 100 / 106 | 100 / 110 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 139 / 150 | 150 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 178 / 195 | 200 / 200 |
| DCH120XXX3V | 208/230-3-60 | 16.0 | 110.0 | 16.0 | 110.0 | 2 | 0.33 | 2.0 | 2-speed Belt Drive | 2.00 | 6.4 | - | - | - | - | 46.3 / 46.3 | 60 / 60 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 85.4 / 91.4 | 90 / 100 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 124 / 136 | 125 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 163 / 181 | 175 / 200 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 53.5 / 52.8 | 60 / 60 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 92.6 / 97.9 | 100 / 100 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 131 / 143 | 150 / 150 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 171 / 188 | 175 / 200 |
| DCH120XXX4W | 460-3-60 | 7.8 | 52.0 | 7.8 | 52.0 | 2 | 0.33 | 0.9 | 2-speed High Static Belt Drive | 5.00 | 6.6 | - | - | - | - | 25.8 | 30 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 48.3 | 50 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 70.7 | 80 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 93.3 | 100 |
| | | | | | | | | | | | | - | - | - | 3.3 | 29.1 | 35 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 51.6 | 60 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 74.0 | 80 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | 3.3 | 96.6 | 100 |
| DCH120XXX4V | 460-3-60 | 7.8 | 52.0 | 7.8 | 52.0 | 2 | 0.33 | 0.9 | 2-speed Belt Drive | 2.00 | 3.0 | - | - | - | - | 22.2 | 25 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 44.7 | 45 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 67.1 | 70 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 89.7 | 90 |
| | | | | | | | | | | | | - | - | - | 3.3 | 25.5 | 30 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 48.0 | 50 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 70.4 | 80 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | 3.3 | 93.0 | 100 |
| DCH120XXX7W | 575-3-60 | 5.7 | 38.9 | 5.7 | 38.9 | 2 | 0.33 | 0.7 | 2-speed High Static Belt Drive | 5.00 | 5.2 | - | - | - | - | 19.4 | 25 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 38.3 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 57.0 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 75.8 | 80 |
| | | | | | | | | | | | | - | - | - | 2.6 | 22.0 | 25 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 40.9 | 45 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 59.6 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | 2.6 | 78.4 | 80 |
| DCH120XXX7V | 575-3-60 | 5.7 | 38.9 | 5.7 | 38.9 | 2 | 0.33 | 0.7 | 2-speed Belt Drive | 2.00 | 2.4 | - | - | - | - | 16.6 | 20 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 35.5 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 54.2 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 73.0 | 80 |
| | | | | | | | | | | | | - | - | - | 2.6 | 19.2 | 20 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 38.1 | 40 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 56.8 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | 2.6 | 75.6 | 80 |

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR CIRCUIT 1 | | COMPRESSOR CIRCUIT 2 | | OUTDOOR FAN MOTOR | | | INDOOR FAN MOTOR | | | OPTIONAL ELECTRIC HEAT | | | OPTIONAL POWERED CONVENIENCE OUTLET | UNIT POWER SUPPLY | |
|--------------|-------------------|----------------------|-----------|----------------------|-----------|-------------------|------|-----|--------------------------------|------|------|------------------------|-------------|-------------|-------------------------------------|-------------------|-----------|
| | | RLA | LRA | RLA | LRA | QTY | HP | FLA | TYPE | HP | FLA | MODEL | KW* | FLA | FLA | MCA | MOP |
| DCH150XXX3W | 208/230-3-60 | 22.4 | 149.0 | 22.4 | 149.0 | 2 | 0.33 | 2.0 | 2-speed High Static Belt Drive | 5.00 | 14.0 | - | - | - | - | 68.5 / 68.5 | 90 / 90 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 108 / 114 | 110 / 125 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 146 / 158 | 150 / 175 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 185 / 203 | 200 / 225 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 75.7 / 75.0 | 90 / 90 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 115 / 120 | 125 / 125 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 154 / 165 | 175 / 175 |
| EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 193 / 210 | 200 / 225 | | | | | | | | | | | | |
| DCH150XXX3V | 208/230-3-60 | 22.4 | 149.0 | 22.4 | 149.0 | 2 | 0.33 | 2.0 | 2-speed Belt Drive | 3.00 | 9.1 | - | - | - | - | 63.6 / 63.6 | 80 / 80 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | - | 103 / 109 | 110 / 110 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | - | 142 / 153 | 150 / 175 |
| | | | | | | | | | | | | EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | - | 181 / 199 | 200 / 200 |
| | | | | | | | | | | | | - | - | - | 7.2 / 6.5 | 70.8 / 70.1 | 90 / 90 |
| | | | | | | | | | | | | EHK3-16 | 11.3 / 15.0 | 31.3 / 36.1 | 7.2 / 6.5 | 110 / 115 | 110 / 125 |
| | | | | | | | | | | | | EHK3-30 | 22.5 / 29.9 | 62.3 / 71.9 | 7.2 / 6.5 | 149 / 160 | 150 / 175 |
| EHK3-45 | 33.7 / 44.9 | 93.6 / 108 | 7.2 / 6.5 | 188 / 205 | 200 / 225 | | | | | | | | | | | | |
| DCH150XXX4W | 460-3-60 | 10.6 | 75.0 | 10.6 | 75.0 | 2 | 0.33 | 0.9 | 2-speed High Static Belt Drive | 5.00 | 6.6 | - | - | - | - | 32.1 | 40 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 54.7 | 60 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 77.1 | 80 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 99.6 | 100 |
| | | | | | | | | | | | | - | - | - | 3.3 | 35.4 | 45 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 58.0 | 60 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 80.4 | 90 |
| EHK4-45 | 44.9 | 54.0 | 3.3 | 103 | 110 | | | | | | | | | | | | |
| DCH150XXX4V | 460-3-60 | 10.6 | 75.0 | 10.6 | 75.0 | 2 | 0.33 | 0.9 | 2-speed Belt Drive | 3.00 | 4.3 | - | - | - | - | 29.8 | 40 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | - | 52.4 | 60 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | - | 74.8 | 80 |
| | | | | | | | | | | | | EHK4-45 | 44.9 | 54.0 | - | 97.3 | 100 |
| | | | | | | | | | | | | - | - | - | 3.3 | 33.1 | 40 |
| | | | | | | | | | | | | EHK4-16 | 15.0 | 18.0 | 3.3 | 55.7 | 60 |
| | | | | | | | | | | | | EHK4-30 | 29.9 | 36.0 | 3.3 | 78.1 | 80 |
| EHK4-45 | 44.9 | 54.0 | 3.3 | 101 | 110 | | | | | | | | | | | | |
| DCH150XXX7W | 575-3-60 | 7.7 | 54.0 | 7.7 | 54.0 | 2 | 0.33 | 0.7 | 2-speed High Static Belt Drive | 5.00 | 5.2 | - | - | - | - | 23.9 | 30 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 42.7 | 45 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 61.4 | 70 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 80.3 | 90 |
| | | | | | | | | | | | | - | - | - | 2.6 | 26.5 | 30 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 45.3 | 50 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 64.0 | 70 |
| EHK7-45 | 44.9 | 45.1 | 2.6 | 82.9 | 90 | | | | | | | | | | | | |
| DCH150XXX7V | 575-3-60 | 7.7 | 54.0 | 7.7 | 54.0 | 2 | 0.33 | 0.7 | 2-speed Belt Drive | 3.00 | 3.5 | - | - | - | - | 22.2 | 25 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | - | 41.0 | 45 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | - | 59.7 | 60 |
| | | | | | | | | | | | | EHK7-45 | 44.9 | 45.1 | - | 78.6 | 80 |
| | | | | | | | | | | | | - | - | - | 2.6 | 24.8 | 30 |
| | | | | | | | | | | | | EHK7-16 | 15.0 | 15.1 | 2.6 | 43.6 | 45 |
| | | | | | | | | | | | | EHK7-30 | 29.9 | 30.0 | 2.6 | 62.3 | 70 |
| EHK7-45 | 44.9 | 45.1 | 2.6 | 81.2 | 90 | | | | | | | | | | | | |

* Electric Heater kW rating: Rated at 240v for 208-230v units; 480v for 460v units

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH090***3V*** | |
| EHK3-16 | 3000-3375 CFM |
| EHK3-30 | 3000-3375 CFM |
| EHK3-45 | 3000-3375 CFM |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH090***4V*** | |
| EHK4-16 | 3000-3375 CFM |
| EHK4-30 | 3000-3375 CFM |
| EHK4-45 | 3000-3375 CFM |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH090***7V*** | |
| EHK7-16 | 3000-3375 CFM |
| EHK7-30 | 3000-3375 CFM |
| EHK7-45 | 3000-3375 CFM |

kW CORRECTION FACTOR

| kW CORRECTION FACTOR FOR 208/230V UNITS | | | | | |
|-----------------------------------------|-----|------|------|------|------|
| SUPPLY VOLTAGE | 240 | 230 | 220 | 210 | 208 |
| CORRECTION FACTOR | 1 | 0.92 | 0.84 | 0.77 | 0.75 |

| kW CORRECTION FACTOR FOR 480V UNITS | | | |
|-------------------------------------|------|------|-----|
| SUPPLY VOLTAGE | 460 | 440 | 430 |
| CORRECTION FACTOR | 0.92 | 0.84 | 0.8 |

For other voltage, use $\text{voltage}^2 / 480^2$

| kW CORRECTION FACTOR FOR 575V UNITS | | | |
|-------------------------------------|------|------|------|
| SUPPLY VOLTAGE | 560 | 550 | 540 |
| CORRECTION FACTOR | 0.95 | 0.91 | 0.88 |

Multiply rated kW by correction factor to get actual kW.

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE (DOWNSHOT) | RECOMMENDED AIRFLOW RANGE (HORIZONTAL) |
|--------------------------|--------------------------------------|----------------------------------------|
| DCH102***3V*** | | |
| EHK3-16 | 3400 - 3825 CFM | 3400 - 3825 CFM |
| EHK3-30 | 3400 - 3825 CFM | 3400 - 3825 CFM |
| EHK3-45 | 3400 - 3825 CFM | 3400 - 3825 CFM |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE (DOWNSHOT) | RECOMMENDED AIRFLOW RANGE (HORIZONTAL) |
|--------------------------|--------------------------------------|----------------------------------------|
| DCH102***4V*** | | |
| EHK4-16 | 3400 - 3825 CFM | 3400 - 3825 CFM |
| EHK4-30 | 3400 - 3825 CFM | 3400 - 3825 CFM |
| EHK4-45 | 3400 - 3825 CFM | 3400 - 3825 CFM |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE (DOWNSHOT) | RECOMMENDED AIRFLOW RANGE (HORIZONTAL) |
|--------------------------|--------------------------------------|----------------------------------------|
| DCH102***7V*** | | |
| EHK7-16 | 3400 - 3825 CFM | 3400 - 3825 CFM |
| EHK7-30 | 3400 - 3825 CFM | 3400 - 3825 CFM |
| EHK7-45 | 3400 - 3825 CFM | 3400 - 3825 CFM |

^ - EHK Heater Kits above require a three-phase power supply

KW CORRECTION FACTOR

| kW CORRECTION FACTOR FOR 208/230V UNITS | | | | | |
|-----------------------------------------|-----|------|------|------|------|
| SUPPLY VOLTAGE | 240 | 230 | 220 | 210 | 208 |
| CORRECTION FACTOR | 1 | 0.92 | 0.84 | 0.77 | 0.75 |

| kW CORRECTION FACTOR FOR 480V UNITS | | | |
|-------------------------------------|------|------|-----|
| SUPPLY VOLTAGE | 460 | 440 | 430 |
| CORRECTION FACTOR | 0.92 | 0.84 | 0.8 |

For other voltage, use $\text{voltage}^2 / 480^2$

| kW CORRECTION FACTOR FOR 575V UNITS | | | |
|-------------------------------------|------|------|------|
| SUPPLY VOLTAGE | 560 | 550 | 540 |
| CORRECTION FACTOR | 0.95 | 0.91 | 0.88 |

Multiply rated kW by correction factor to get actual kW.

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH120***3V*** | |
| EHK3-16 | 3500 - 4500 CFM |
| EHK3-30 | 3500 - 4500 CFM |
| EHK3-45 | 4000 - 4500 CFM |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH120***4V*** | |
| EHK4-16 | 3500 - 4500 CFM |
| EHK4-30 | 3500 - 4500 CFM |
| EHK4-45 | 4000 - 4500 CFM |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH0120***7V*** | |
| EHK7-16 | 3500 - 4500 CFM |
| EHK7-30 | 3500 - 4500 CFM |
| EHK7-45 | 4000 - 4500 CFM |

kW CORRECTION FACTOR

| kW CORRECTION FACTOR FOR 208/230V UNITS | | | | | |
|-----------------------------------------|-----|------|------|------|------|
| SUPPLY VOLTAGE | 240 | 230 | 220 | 210 | 208 |
| CORRECTION FACTOR | 1 | 0.92 | 0.84 | 0.77 | 0.75 |

| kW CORRECTION FACTOR FOR 480V UNITS | | | |
|-------------------------------------|------|------|-----|
| SUPPLY VOLTAGE | 460 | 440 | 430 |
| CORRECTION FACTOR | 0.92 | 0.84 | 0.8 |

For other voltage, use $\text{voltage}^2 / 480^2$

| kW CORRECTION FACTOR FOR 575V UNITS | | | |
|-------------------------------------|------|------|------|
| SUPPLY VOLTAGE | 560 | 550 | 540 |
| CORRECTION FACTOR | 0.95 | 0.91 | 0.88 |

Multiply rated kW by correction factor to get actual kW.

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH150***3V*** | |
| EHK3-16 | 4000 - 5600 |
| EHK3-30 | 4300 - 5600 |
| EHK3-45 | 4500 - 5600 |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH150***4V*** | |
| EHK4-16 | 4000 - 5600 |
| EHK4-30 | 4300 - 5600 |
| EHK4-45 | 4500 - 5600 |

| MODEL AND HEAT KIT USAGE | RECOMMENDED AIRFLOW RANGE |
|--------------------------|---------------------------|
| DCH150***7V*** | |
| EHK7-16 | 4000 - 5600 |
| EHK7-30 | 4300 - 5600 |
| EHK7-45 | 4500 - 5600 |

kW CORRECTION FACTOR

| kW CORRECTION FACTOR FOR 208/230V UNITS | | | | | |
|-----------------------------------------|-----|------|------|------|------|
| SUPPLY VOLTAGE | 240 | 230 | 220 | 210 | 208 |
| CORRECTION FACTOR | 1 | 0.92 | 0.84 | 0.77 | 0.75 |

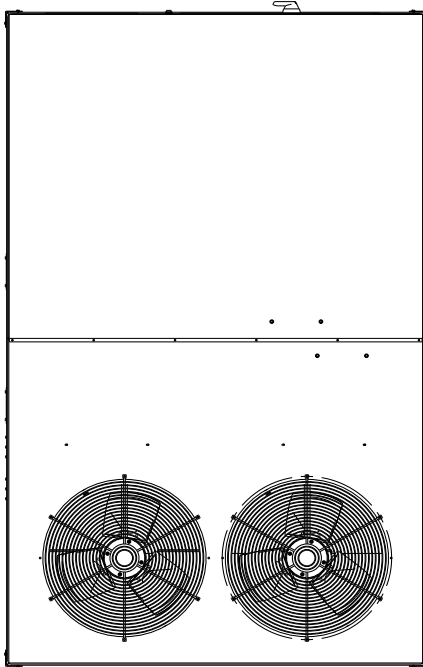
| kW CORRECTION FACTOR FOR 480V UNITS | | | |
|-------------------------------------|------|------|-----|
| SUPPLY VOLTAGE | 460 | 440 | 430 |
| CORRECTION FACTOR | 0.92 | 0.84 | 0.8 |

For other voltage, use $\text{voltage}^2 / 480^2$

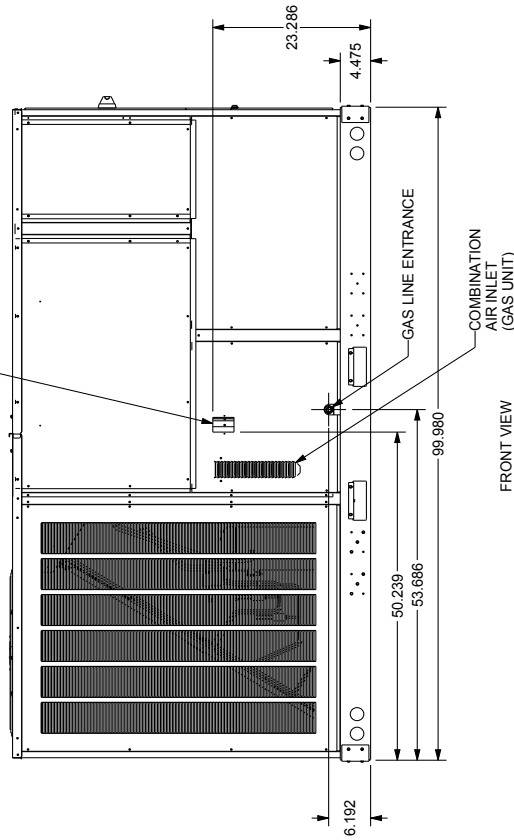
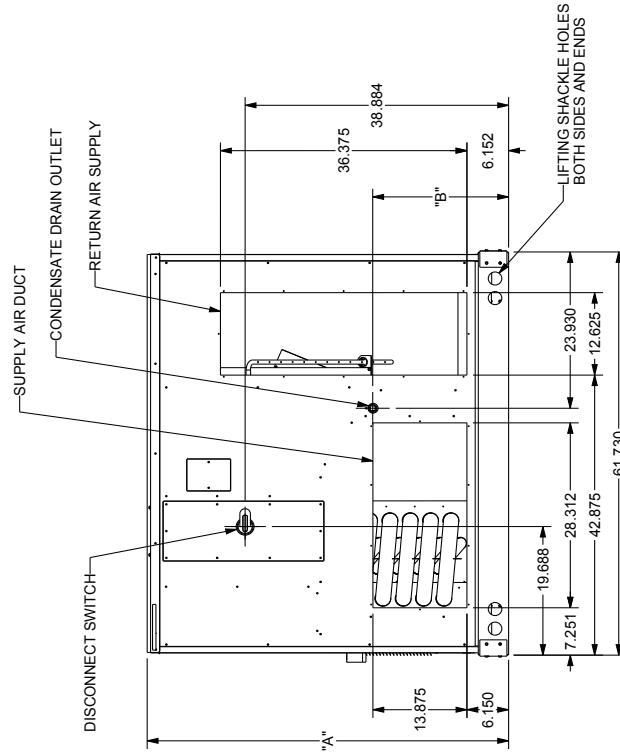
| kW CORRECTION FACTOR FOR 575V UNITS | | | |
|-------------------------------------|------|------|------|
| SUPPLY VOLTAGE | 560 | 550 | 540 |
| CORRECTION FACTOR | 0.95 | 0.91 | 0.88 |

Multiply rated kW by correction factor to get actual kW.

| MODEL TONNAGE | "A" | "B" |
|------------------------------------------------------|--------|--------|
| 7.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER | 53.339 | 20.055 |
| 8.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER | 53.339 | 20.055 |
| 10 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER | 53.339 | 20.055 |
| 12.5 TON COMMERCIAL GAS, HT PUMP, AIR CONDITIONER | 58.839 | 18.055 |



TOP VIEW



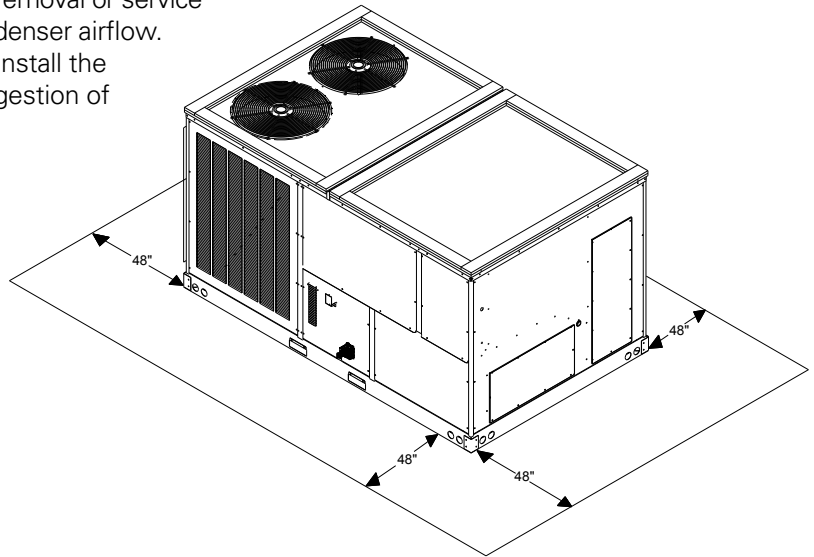
FRONT VIEW

12 1/2 TON USES GRILLE

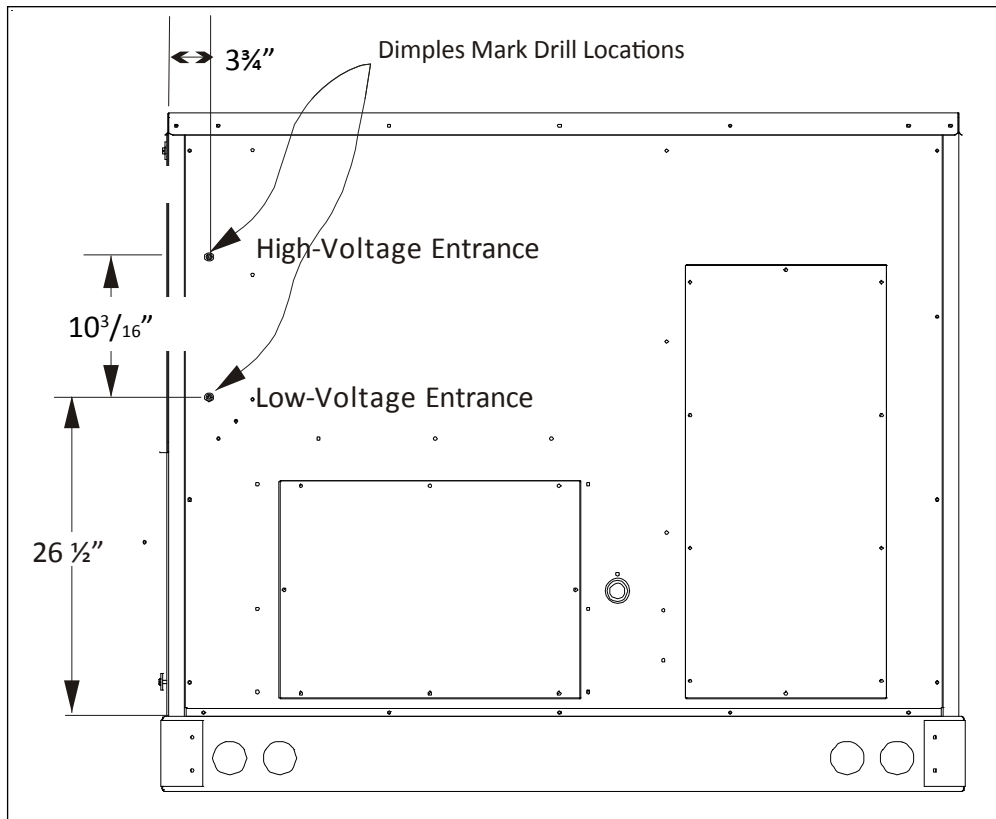
DC*090-150***
7.5 THRU 12.5 TON COMMERCIAL

ALL DIMENSIONS GIVEN ARE IN INCHES
ALL DIMENSIONS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Maintain an adequate clearance around the unit for safety, service, maintenance, and proper unit operation. Leave a clearance of 48" on all sides of the unit for possible compressor removal or service access, and to ensure proper ventilation and condenser airflow. Do not install the unit beneath any obstruction. Install the unit away from all building exhausts to inhibit ingestion of exhaust air into the unit's fresh-air intake.



ELECTRICAL ENTRANCE LOCATIONS



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 fork lift 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.

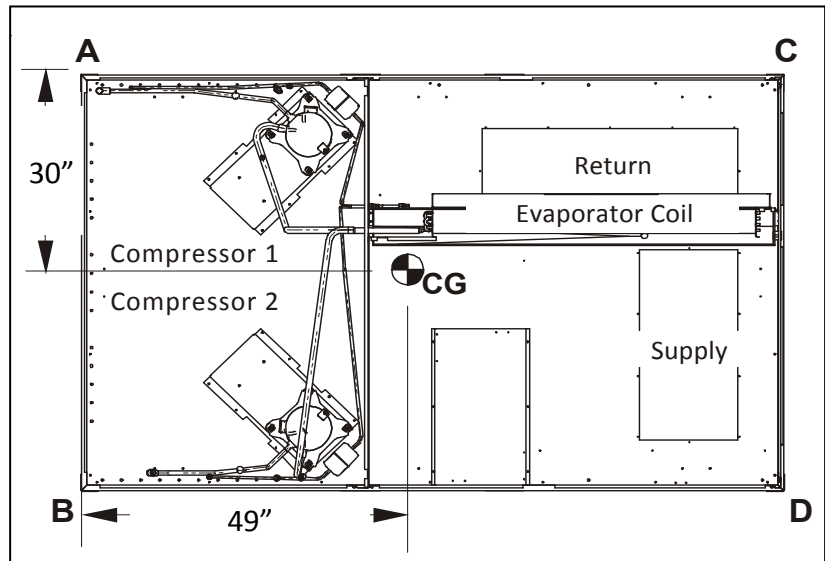
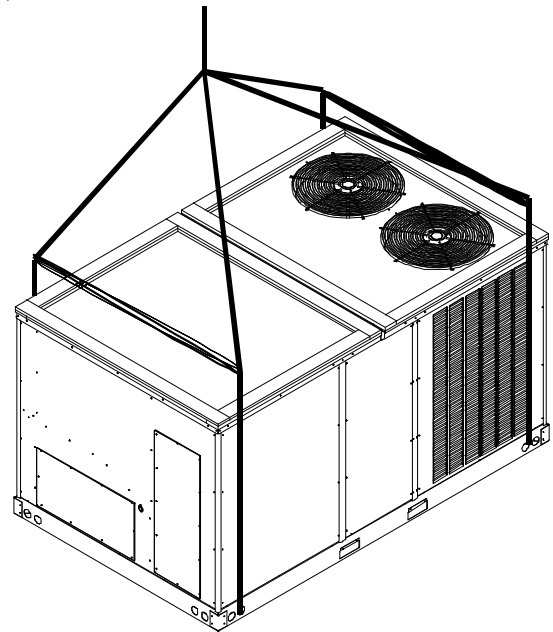
Important: If using bottom discharge with roof curb, duct-work should be attached to the curb prior to installing the unit. Duct-work dimensions are shown in Roof Curb Installation Instructions Manual.

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.



CORNER & CENTER-OF-GRAVITY LOCATIONS

| UNIT WEIGHTS | 7½-TON WEIGHTS (LBS) | 8½-TON WEIGHTS (LBS) | 10-TON WEIGHTS (LBS) | 12½-TON WEIGHTS (LBS) |
|------------------|----------------------|----------------------|----------------------|-----------------------|
| Weight A | 285 | 345 | 345 | 435 |
| Weight B | 285 | 325 | 325 | 345 |
| Weight C | 285 | 320 | 320 | 300 |
| Weight D | 285 | 300 | 300 | 240 |
| Shipping Weight | 1175 | 1310 | 1310 | 1350 |
| Operating Weight | 1135 | 1285 | 1285 | 1325 |

Note: These weights are calculated without accessories installed.

Curb installations must comply with local codes and should follow the established guidelines of the National Roofing Contractors Association.

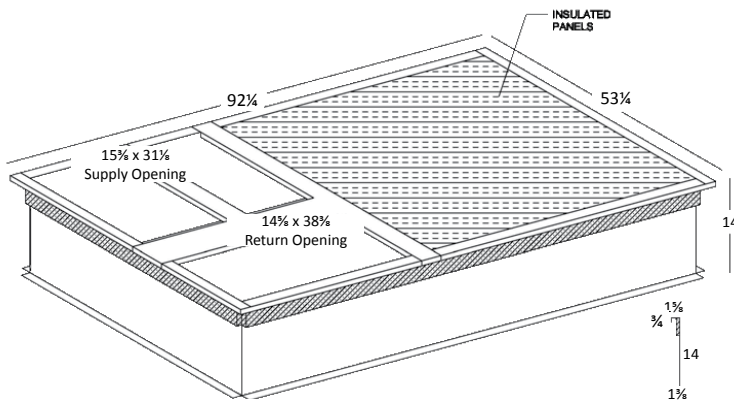
Proper unit installation requires that the roof curb be firmly and permanently attached to the roof structure. Check for adequate fastening method prior to setting the unit on the curb.

Full perimeter roof curbs are available from the factory and are shipped unassembled. The installing contractor is responsible for field assembly, squaring, leveling, and mounting on the roof structure. All required hardware necessary for the assembly of the sheet metal curb is included in the curb accessory package.

- Determine sufficient structural support before locating and mounting the curb and package unit.
- Duct-work must be constructed using industry guidelines. The duct-work must be placed into the roof curb before mounting the package unit. Our full perimeter curbs include duct connection frames to be assembled with the curb. Cantilevered-type curbs are not available from the factory.
- Contractor furnishes curb insulation, cant strips, flashing, and general roofing material.
- Support curbs on parallel sides with roof members. To prevent damage to the unit, the roof members cannot penetrate supply and return duct openings.

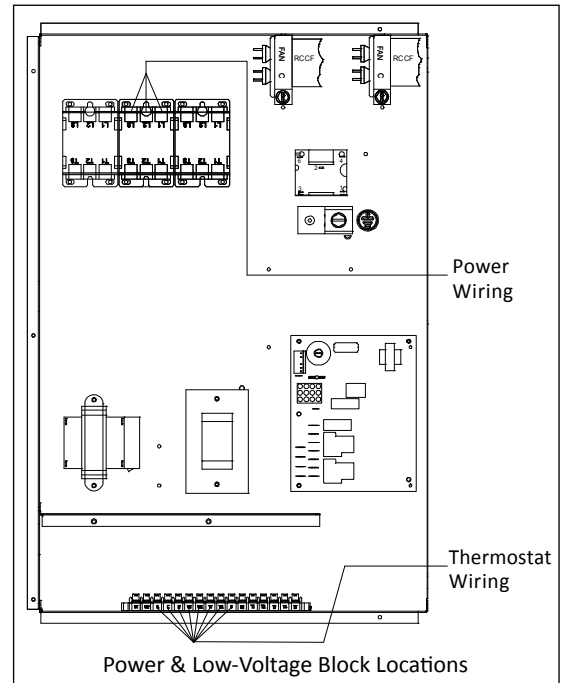
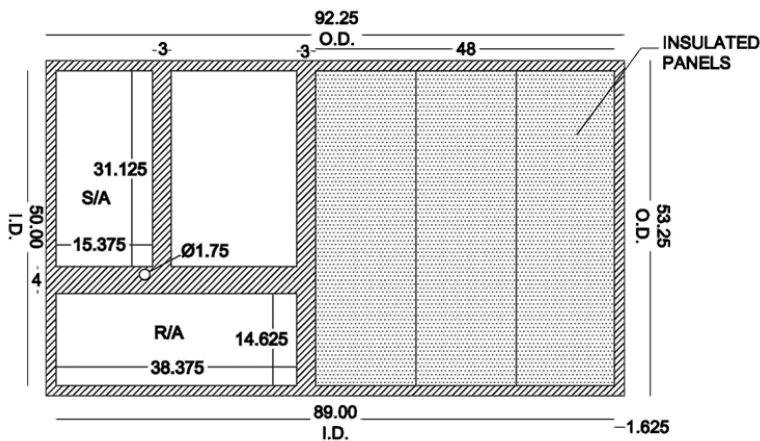
Note: The unit and curb accessories are designed to allow vertical duct installation before unit placement. Duct installation after unit placement is not recommended.

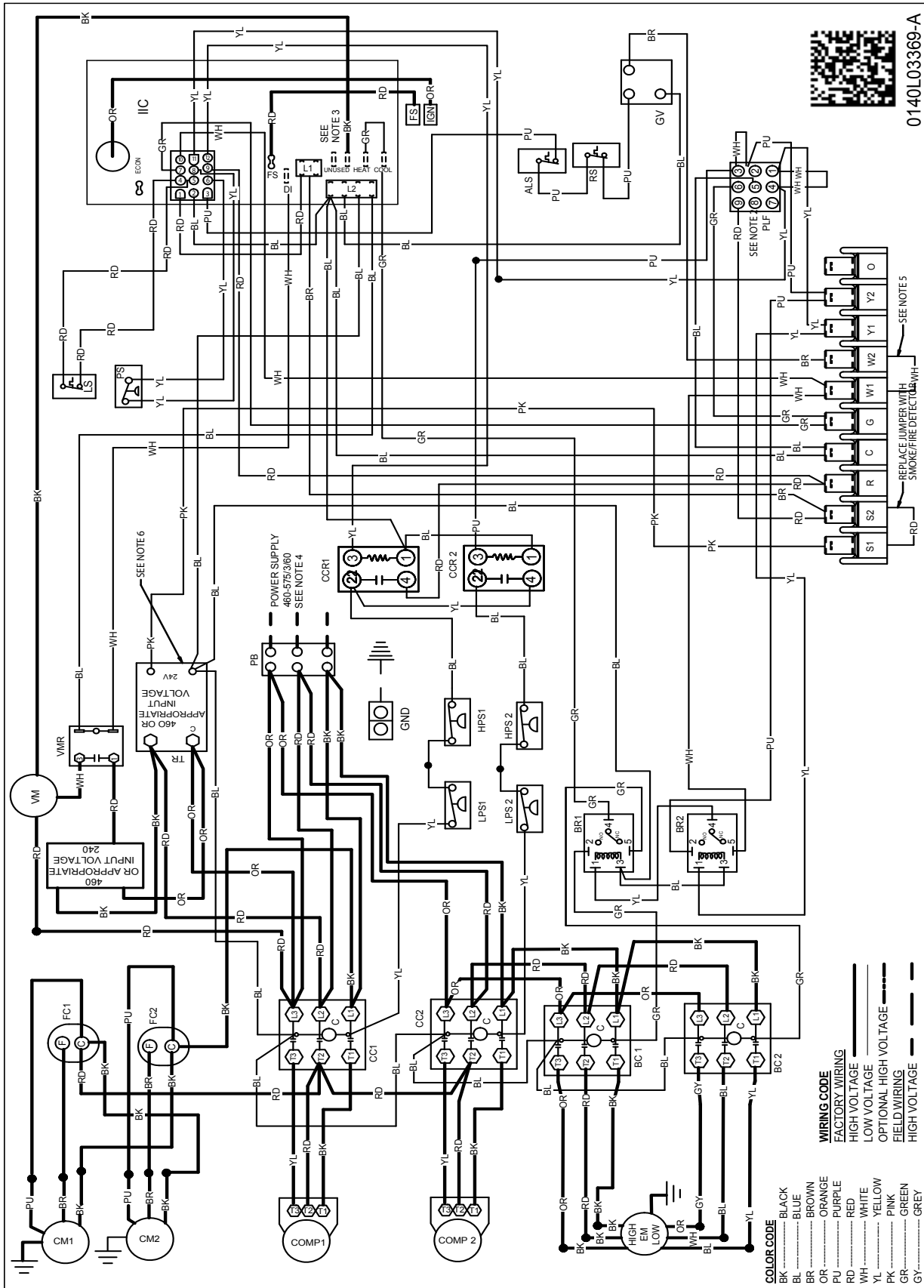
3-D VIEW

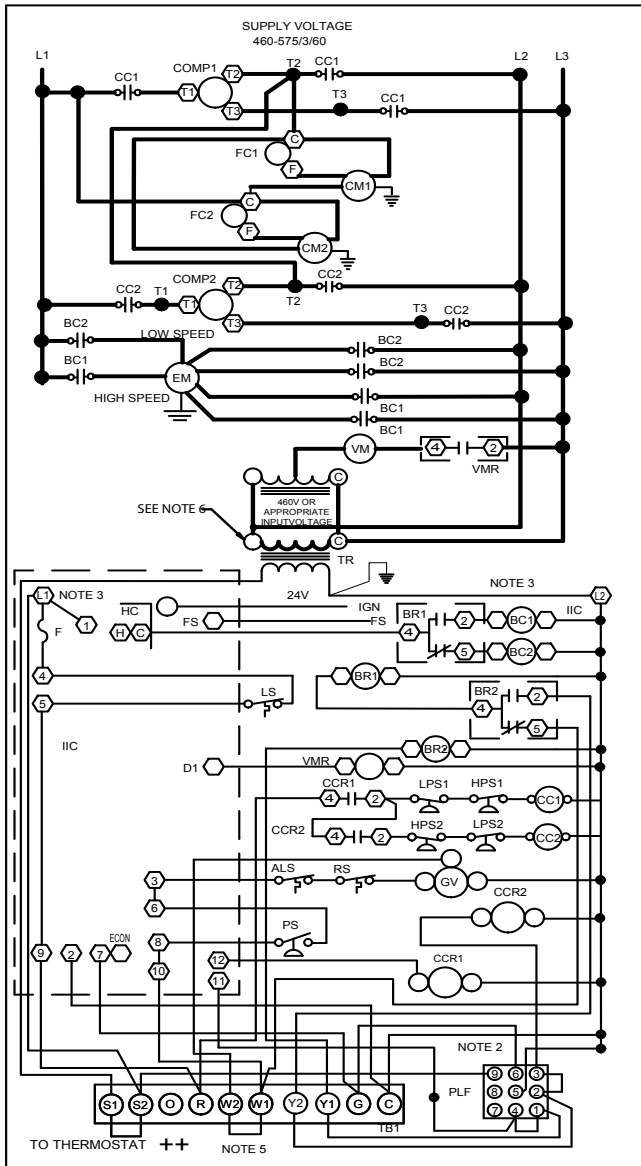


See the manual shipped with the roof curb for assembly and installation instructions.

TOP VIEW



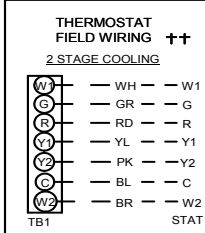




- COMPONENT LEGEND**
- ALS AUXILIARY LIMIT SWITCH
 - BC BLOWER CONTACTOR
 - BR BLOWER RELAY
 - CB CIRCUIT BREAKER
 - CC COMPRESSOR CONTACTOR
 - CCR COMPRESSOR CONTACTOR RELAY
 - CM COMPRESSOR MOTOR
 - COMP COMPRESSOR
 - EM EVAPORATOR MOTOR
 - F FUSE
 - FC FAN CAPACITOR
 - FS FLAME SENSOR
 - GND EQUIPMENT GROUND
 - GV GAS VALVE
 - HPS HIGH PRESSURE SWITCH
 - IBR INDOOR BLOWER RELAY
 - IIC INTEGRATED IGNITION CONTROL
 - IGN IGNITOR
 - LPS LOW PRESSURE SWITCH
 - LS LIMIT SWITCH
 - PLF FEMALE PLUG/CONNECTOR
 - PS PRESSURE SWITCH
 - RS ROLLOUT SWITCH
 - TB1 TERMINAL BLOCK (24V SIGNAL)
 - TR TRANSFORMER
 - VM VENT MOTOR
 - VMR VENT MOTOR RELAY

- FACTORY WIRING**
- LINE VOLTAGE
 - LOW VOLTAGE
- OPTIONAL HIGH VOLTAGE**
- HIGH VOLTAGE
 - LOW VOLTAGE
- FIELD WIRING**
- HIGH VOLTAGE
 - LOW VOLTAGE
- WIRE CODE**
- BK BLACK
 - BL BLUE
 - BR BROWN
 - GR GREEN
 - OR ORANGE
 - PK PINK
 - PU PURPLE
 - RD RED
 - WH WHITE
 - YL YELLOW
 - YL /PK YELLOW WITH PINK STRIP
 - BL /PK BLUE WITH PINK STRIP

- NOTES**
1. REPLACEMENT WIRE MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (USE COPPER CONDUCTOR ONLY).
 2. ACCESSORY ECONOMIZER PLUG ADJACENT TO BLOWER HOUSING IN RETURN AIR COMPARTMENT. REMOVE MALE PLUG AND ATTACH FEMALE PLUG TO THE ECONOMIZER ACCESSORY.
 3. L1 AND L2 ON IIC CONTROL IS 24V INPUT.
 4. USE COPPER CONDUCTORS ONLY. ++ USE NEC CLASS 2 WIRE.
 5. FOR TWO STAGE OPERATION REMOVE W1 TO W2 JUMPER WIRE.
 6. MOVE WIRE(S) TO APPROPRIATE INPUT VOLTAGE TERMINAL ON TRANSFORMER.



INSTALLER/SERVICEMAN

THE STATUS LIGHT ON THE FURNACE CONTROL MAY BE USED AS A GUIDE TO TROUBLESHOOTING THIS APPLIANCE. STATUS LIGHT CODES ARE AS FOLLOWS:

| STATUS LIGHT | EQUIPMENT STATUS | CHECK |
|--------------|-------------------------------------------|---------------------------------------------------------------|
| ON | NORMAL OPERATION | ---- |
| OFF | NO POWER OR INTERNAL CONTROL | CHECK INPUT POWER CHECK FUSE ON CONTROL REPLACE CONTROL |
| 1 BLINK | IGNITION FAILURE | GAS FLOW GAS PRESSURE GAS VALVE |
| | OPEN ROLLOUT SWITCH | FLAME SENSOR FLAME ROLLOUT BAD SWITCH |
| 2 BLINKS | OPEN AUX. LIMIT SWITCH | AUX. LIMIT OPEN |
| | PRESSURE SWITCH OPEN | CHECK PRESSURE SWITCH |
| 3 BLINKS | PRESSURE SWITCH CLOSED WITHOUT INDUCER ON | CHECK PRESSURE SWITCH |
| 4 BLINKS | OPEN LIMIT SWITCH | MAIN LIMIT OPEN BAD SWITCH |
| 5 BLINKS | FALSE FLAME SENSED | STICKING GAS VALVE |
| 6 BLINKS | COMPRESSOR OUTPUT DELAY | 3 MIN. COMP. ANTI-CYCLE TIMER |

SEE UNIT RATING PLATE FOR TYPE AND SIZE OF OVER CURRENT PROTECTION

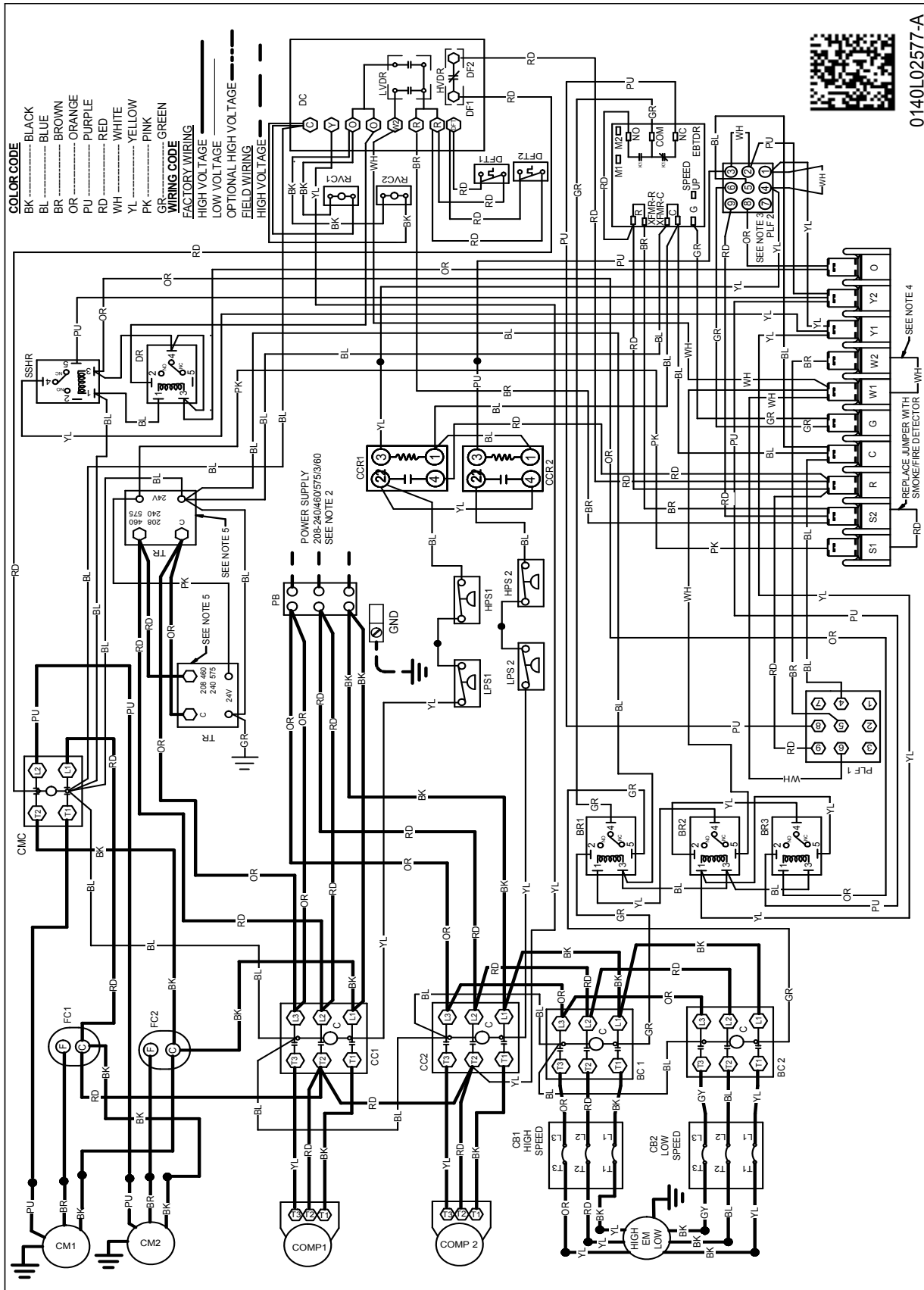


460-575/3/60 0140L03370-A

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

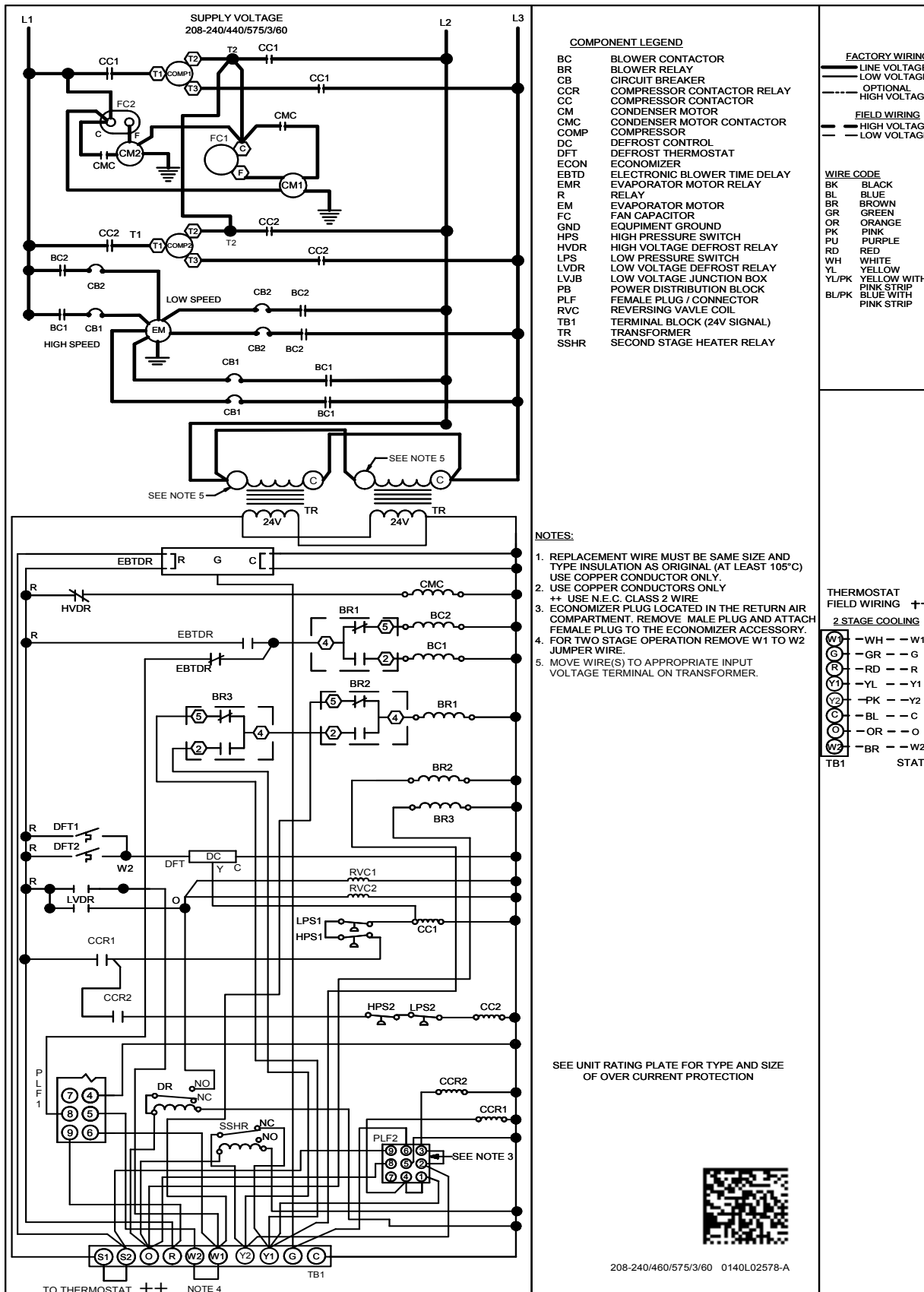


- COLOR CODE**
 BK BLACK
 BL BLUE
 BR BROWN
 OR ORANGE
 PU PURPLE
 RD RED
 WH WHITE
 YL YELLOW
 PK PINK
 GR GREEN
- WIRING CODE**
 FACTORY WIRING
 HIGH VOLTAGE
 LOW VOLTAGE
 OPTIONAL HIGH VOLTAGE
 FIELD WIRING
 HIGH VOLTAGE

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

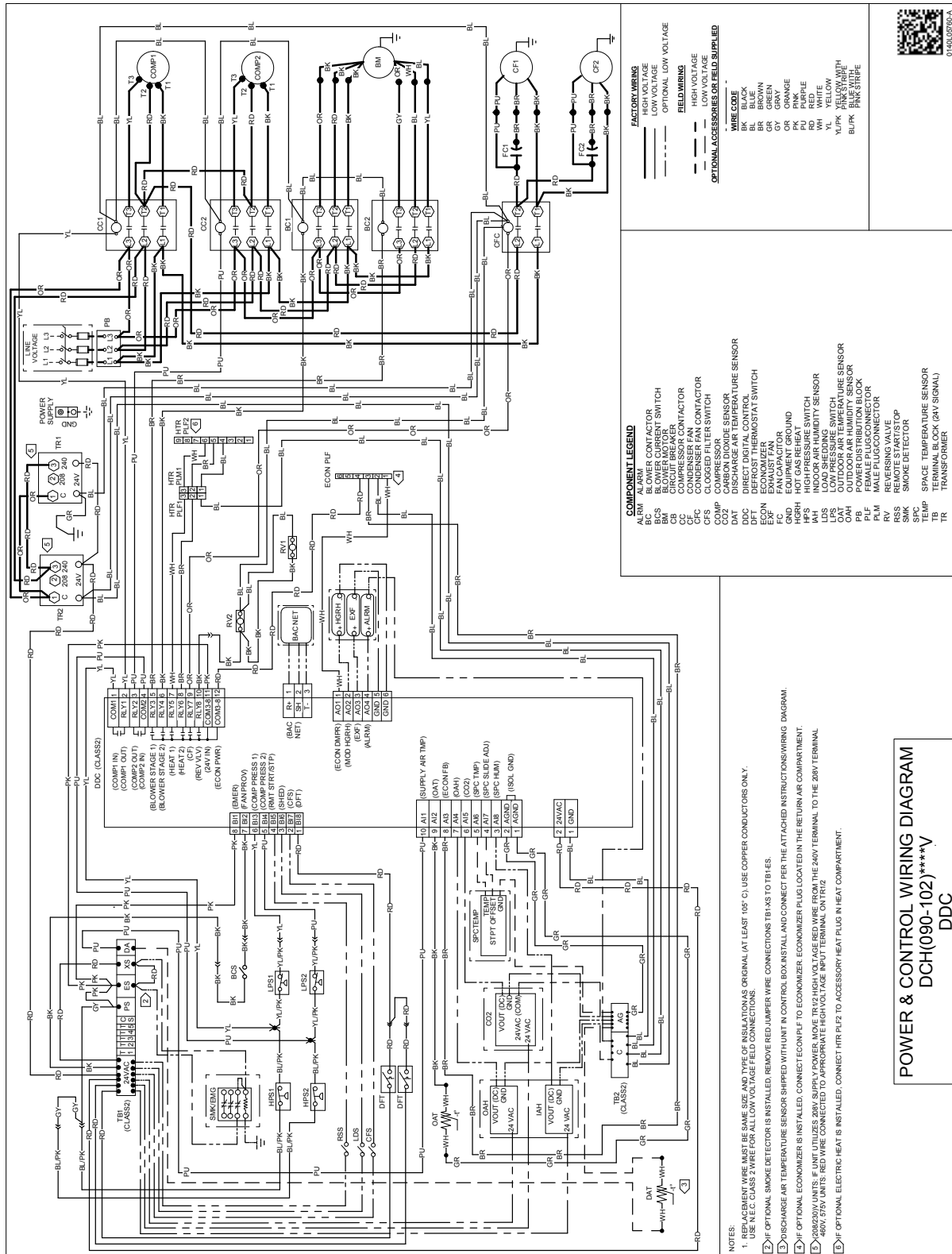
WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



WIRING DIAGRAMS FOR MODELS WITH DDC CONTROLS

FOR COMPLETE INFORMATION AND INSTALLATION INSTRUCTIONS FOR MODELS
WITH DDC CONTROLS, SEE MANUAL DK-DDC-TGD-XXX

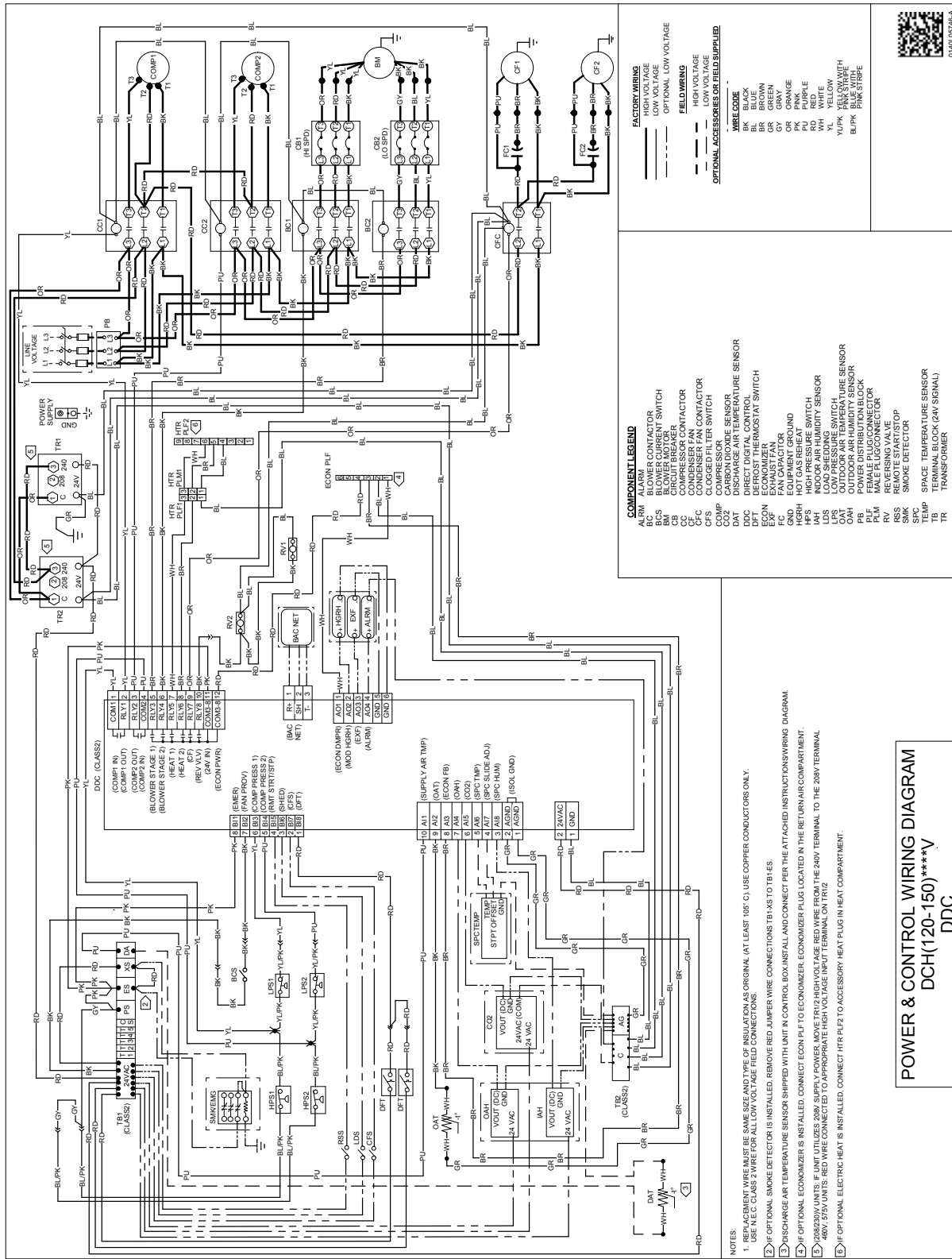


POWER & CONTROL WIRING DIAGRAM
DCH(090-102)****V
DDC

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Warning symbol: ⚡

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



COMPONENT LEGEND

AW AIR WASH MOTOR
 BC BLOWER CONTACTOR
 BCS BLOWER CURRENT SWITCH
 BR BLOWER REVERSING VALVE
 CB CIRCUIT BREAKER
 CC COMPRESSOR CONTACTOR
 CFC CONDENSER FAN CONTACTOR
 CFS CONDENSER FAN SWITCH
 COMP COMPRESSOR
 COG COIL GROUND
 DDC DIRECT DIGITAL CONTROL
 DFC DIRECT FAN CONTACTOR
 ECON ECONOMIZER
 EXP EXHAUST FAN
 FC FAN CONTACTOR
 FCG EQUIPMENT GROUND
 HGRH HOT GAS REHEAT
 HPS HIGH PRESSURE SWITCH
 LPS LOW PRESSURE SWITCH
 LRS LOAD SHEDDING
 OAH OUTDOOR AIR HUMIDITY SENSOR
 OAS OUTDOOR AIR SENSING
 PB POWER DISTRIBUTION BLOCK
 PLS PRESSURE LIMIT SWITCH
 PLM MALE PLENUM CONNECTOR
 RV REVERSING VALVE
 RSS REMOTE START/STOP
 SMO SMOKE DETECTOR
 SPC SPACE TEMPERATURE SENSOR
 TEMP TEMPERATURE SENSOR
 TB TERMINAL BLOCK (24V SIGNAL)
 TR TRANSFORMER

FACTORY WIRING

— HIGH VOLTAGE
 - - - OPTIONAL LOW VOLTAGE
 - · - · - FIELD WIRING

OPTIONAL ACCESSORIES OR FIELD SUPPLIED

— HIGH VOLTAGE
 - - - LOW VOLTAGE
 - · - · - FIELD WIRING

WIRE CODE

BK BLACK
 BR BROWN
 GR GREEN
 OR ORANGE
 PK PINK
 RD RED
 WH WHITE
 YL YELLOW
 YL/PK YELLOW WITH PINK STRIPE
 BL/PK BLACK WITH PINK STRIPE

POWER & CONTROL WIRING DIAGRAM
 DCH(120-150) ****V
 DDC

- NOTES:**
- REPLACEMENT WIRE MUST BE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL. (AT LEAST 105° C). USE COPPER CONDUCTORS ONLY.
 - USE NEC CLASS 2 WIRE FOR ALL LOW VOLTAGE FIELD CONNECTIONS.
 - IF OPTIONAL SMOKE DETECTOR IS INSTALLED, REMOVE RED JUMPER WIRE CONNECTIONS TB1-XS TO TB1-ES.
 - IF DISCHARGE AIR TEMPERATURE SENSOR SHIPPED WITH UNIT IN CONTROL BOX, INSTALL AND CONNECT PER THE ATTACHED INSTRUCTIONS WIRING DIAGRAM.
 - IF OPTIONAL ECONOMIZER IS INSTALLED, CONNECT ECON PLF TO ECONOMIZER. ECONOMIZER PLUG LOCATED IN THE RETURN AIR COMPARTMENT.
 - IF 208/230V UNITS, FAN UTILIZES 208V SUPPLY POWER. MOVE TR1/2 HIGH VOLTAGE RED WIRE FROM THE 240V TERMINAL TO THE 208V TERMINAL.
 - IF 460V, 575V UNITS, RED WIRE CONNECTED TO APPROPRIATE HIGH VOLTAGE INPUT TERMINAL ON TR12.
 - IF OPTIONAL ELECTRIC HEAT IS INSTALLED, CONNECT HTR PLF2 TO ACCESSORY HEAT PLUG IN HEAT COMPARTMENT.

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

WARNING

Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

| DAIKIN MASTER ITEM # | DESCRIPTION | FITS MODEL SIZES | FIELD- INSTALLED | FACTORY- INSTALLED | OPERATING WEIGHT (LBS) |
|-------------------------------------------------------|-------------------------------------------------------|------------------|---------------------|-----------------------|---------------------------|
| Curb | | | | | |
| 14CURB90150 | 14" Roof Curb | 7½-12½ tons | √ | | 143 |
| 18CURB90150 | 18" Roof Curb | 7½-12½ tons | √ | | 165 |
| 24CURB90150 | 24" Roof Curb | 7½-12½ tons | √ | | 197 |
| GHRC-90150 | Hurricane Restraint Clips | 7½-12½ tons | √ | | 2 |
| Ultra Low-Leak Economizer & Power Exhaust¹ | | | | | |
| 10-455-10A-23 | Centrifugal Power Exhaust 230v | 7½-12½ tons | √ | | 70 |
| 10-455-10A-33 | Centrifugal Power Exhaust 460v | 7½-12½ tons | √ | | 70 |
| 01-450-03 | Barometric Relief to the Horizontal Economizer | 7½-12½ tons | √ | | 40 |
| 1036610B | Ultra Low-Leak Downflow Economizer w/ Enthalpy | 7½-12½ tons | √ | √ | 137 |
| 10-396-10 | Ultra Low-Leak Horizontal Economizer w/ Enthalpy | 7½-12½ tons | √ | | 137 |
| 10-465-10-21 | Prop Power Exhaust 230v | 7½-12½ tons | √ | | 55 |
| 10-465-10-31 | Prop Power Exhaust 460v | 7½-12½ tons | √ | | 55 |
| 10-465-10-41 | Prop Power Exhaust 575v | 7½-12½ tons | √ | | 55 |
| Low-Leak Economizer & Power Exhaust² | | | | | |
| DDNECNJ90150B | Low-Leak Downflow Economizer | 7½-12½ tons | √ | √ | 130 |
| DPE901502 | Downflow Power Exhaust (208/230v) | 7½-12½ tons | √ | | 65 |
| DPE901504 | Downflow Power Exhaust (460v) | 7½-12½ tons | √ | | 65 |
| DPE901507 | Downflow Power Exhaust (575v) | 7½-12½ tons | √ | | 65 |
| DINHZ90150B | Horizontal Economizer, Internally Mounted | 7½-12½ tons | √ | | 110 |
| DHZECNJ90150 | Horizontal Economizer | 7½-12½ tons | √ | | 90 |
| DHPE901502 | Horizontal Power Exhaust (208/230v) | 7½-12½ tons | √ | | 65 |
| DHPE901504 | Horizontal Power Exhaust (460v) | 7½-12½ tons | √ | | 65 |
| DHPE901507 | Horizontal Power Exhaust (575v) | 7½-12½ tons | √ | | 65 |
| Downflow Accessories | | | | | |
| D25FD90150 | 25% Manual Fresh Air Damper | 7½-12½ tons | √ | | 15 |
| D25MFD90150 | 25% Motorized Fresh Air Damper | 7½-12½ tons | √ | | 21 |
| DNBBS90150 | Burglar Bar Sleeves: includes Supply & Return | 7½-12½ tons | √ | | 45 |
| DDNECNJ90150NR | Low-Leak Downflow Economizer w/o Barometric Relief | 7½-12½ tons | √ | | 130 |
| DDNSQRD9020 | Downflow Square-to-Round Adapter 20" Round | 7½ tons | √ | | 55 |
| Horizontal Accessories | | | | | |
| DBRD3672 | Horizontal Barometric Relief Damper (2 required) | 7½-12½ tons | √ | | 30 |
| Concentrics | | | | | |
| CDK90102 | Concentric Duct Kit | 7½-8½ tons | √ | | 42 |
| CDK120 | Concentric Duct Kit | 10 tons | √ | | 104 |
| CDK150 | Concentric Duct Kit | 12½ tons | √ | | 151 |
| 3 phase 208-230V Electric Heat Kits | | | | | |
| EHK3-16 | 16kw 208-230v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| EHK3-30 | 30kw 208-230v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |

| DAIKIN MASTER ITEM # | DESCRIPTION | FITS MODEL SIZES | FIELD- INSTALLED | FACTORY- INSTALLED | OPERATING WEIGHT (LBS) |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------|------------------|---------------------|-----------------------|---------------------------|
| EHK3-45 | 45kw 208-230v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| 3 phase 460V Electric Heat Kits | | | | | |
| EHK4-16 | 16kw 460v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| EHK4-30 | 30kw 460v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| EHK4-45 | 45kw 460v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| 3 phase 575V Electric Heat Kits | | | | | |
| EHK7-16 | 16kw 575v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| EHK7-30 | 30kw 575v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| EHK7-45 | 45kw 575v 3ph Electric Heat Kit | 7½-12½ tons | √ | √ | 21 |
| DDC Accessories³ | | | | | |
| | DDC communicating controller (built-in BACnet® MS/TP) includes Standard Room Sensor to be installed in field | 7½-12½ tons | | √ | 2 |
| 10366D10B | DDC Ultra Low-Leak Downflow Economizer | 7½-12½ tons | √ | √ | 71 |
| 10396D10 | DDC Ultra Low-Leak Horizontal Economizer | 7½-12½ tons | √ | | 71 |
| 10465DDC | Power Exhaust kit used with DDC Ultra Low-Leak Economizer | 7½-12½ tons | √ | | 1 |
| DLAKT03 | Low-Ambient | 7½-12½ tons | √ | √ | 2 |
| LONKT01 | LonWorks® card | 7½-12½ tons | √ | | 1 |
| 3PMK01 | Phase Monitor (3-Phase Only) | 7½-12½ tons | √ | √ | 2 |
| DFSKT01 | Dirty Filter Switch | 7½-12½ tons | √ | | 1 |
| High-Static Kits | | | | | |
| HSKTW090FI | High Static, Factory Installed (230/460/575v) | 7½ tons | | √ | 10 |
| HSKTW102FI | High Static, Factory Installed (230/460/575v) | 8½ tons | | √ | 10 |
| HSKTW120-3FIHP | High Static, Factory Installed (208/230v) | 10 tons HP | | √ | 60 |
| HSKTW120-4FIHP | High Static, Factory Installed (460v) | 10 tons HP | | √ | 60 |
| HSKTW120-7FIHP | High Static, Factory Installed (575v) | 10 tons HP | | √ | 60 |
| HSKTW150-3FI | High Static, Factory Installed (230v) | 12½ tons | | √ | 40 |
| HSKTW150-4FI | High Static, Factory Installed (460v) | 12½ tons | | √ | 40 |
| HSKTW150AC-7FI | High Static, Factory Installed (575v) | 12½ tons AC/HP | | √ | 35 |
| Crankcase Heater Kits | | | | | |
| 0130L00017S | 70W 230V | 7½-12½ tons | √ | | 1 |
| 0130L00018S | 70W 460V | 7½-12½ tons | √ | | 1 |
| 0130L00019S | 70W 575V | 7½-12½ tons | √ | | 1 |
| High Efficiency Filters | | | | | |
| 0160L00205 | High Efficiency MERV 13 Air Filter Nom. Size: 16x20x2; (Order Qty 4) | 7.5 tons | √ | | 4 |
| 0160L00206 | High Efficiency MERV 13 Air Filter Nom. Size: 16x24x2; (Order Qty 4) | 8.5 & 10 tons | √ | | 4 |
| 0160L00202 | High Efficiency MERV 13 Air Filter Nom. Size: 20x25x2; (Order Qty 4) | 12.5 tons | √ | | 6 |

| DAIKIN MASTER ITEM # | DESCRIPTION | FITS MODEL SIZES | FIELD-INSTALLED | FACTORY-INSTALLED | OPERATING WEIGHT (LBS) |
|-------------------------|-------------------------------------------|------------------|-----------------|-------------------|------------------------|
| Misc Accessories | | | | | |
| HailGD02D | Condenser Coil Hail Guard | 7½-10 tons | √ | | 34 |
| HailGD05D | Condenser Coil Hail Guard | 12½ tons | √ | | 37 |
| | Convenience Outlet: Powered | 7½-12½ tons | | √ | 42 |
| | Convenience Outlet: Non Powered | 7½-12½ tons | | √ | 2 |
| | Disconnect Switch (non-fused) | 7½-12½ tons | | √ | 5 |
| LAKT17 | Low-Ambient Kit, 208-230V - non-DDC | 7½-8½ tons | √ | √ | 23 |
| LAKT18 | Low-Ambient Kit, 460V - non-DDC | 7½-8½ tons | √ | √ | 23 |
| LAKT19 | Low-Ambient Kit, 575V - non-DDC | 7½-8½ tons | √ | √ | 23 |
| LAKT20 | Low-Ambient Kit, 208-230V - non-DDC | 10-12½ tons | √ | √ | 23 |
| LAKT21 | Low-Ambient Kit, 460V - non-DDC | 10-12½ tons | √ | √ | 23 |
| LAKT22 | Low-Ambient Kit, 575V - non-DDC | 10-12½ tons | √ | √ | 23 |
| 3PMNDK01 | Phase Monitor - Non DDC | 7½-12½ tons | √ | √ | 2 |
| | Smoke Detector (supply and/or return air) | 7½-12½ tons | | √ | 11 |
| | Hinged Panels | 7½-12½ tons | | √ | 34 |

¹ Use Economizer & Power Exhaust listed within Ultra Low-Leak section

² Use Economizer & Power Exhaust listed within Low-Leak section

³ For a full list of DDC accessories, please refer to DDC Controller Technical Guide manual (DK-DDC-TGD-01B)

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