



***R-32 Standard Efficiency Heat Pump  
Direct-Drive Packaged Rooftop Unit  
15-20 Ton DSH Light Commercial***  
15 - 20 Ton, Up To 10.6 EER / 14.5 IEER



\* Complete warranty details available from your local distributor or manufacturer's representative or at [www.daikincomfort.com](http://www.daikincomfort.com)

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

# Our Perfect Package:

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

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

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

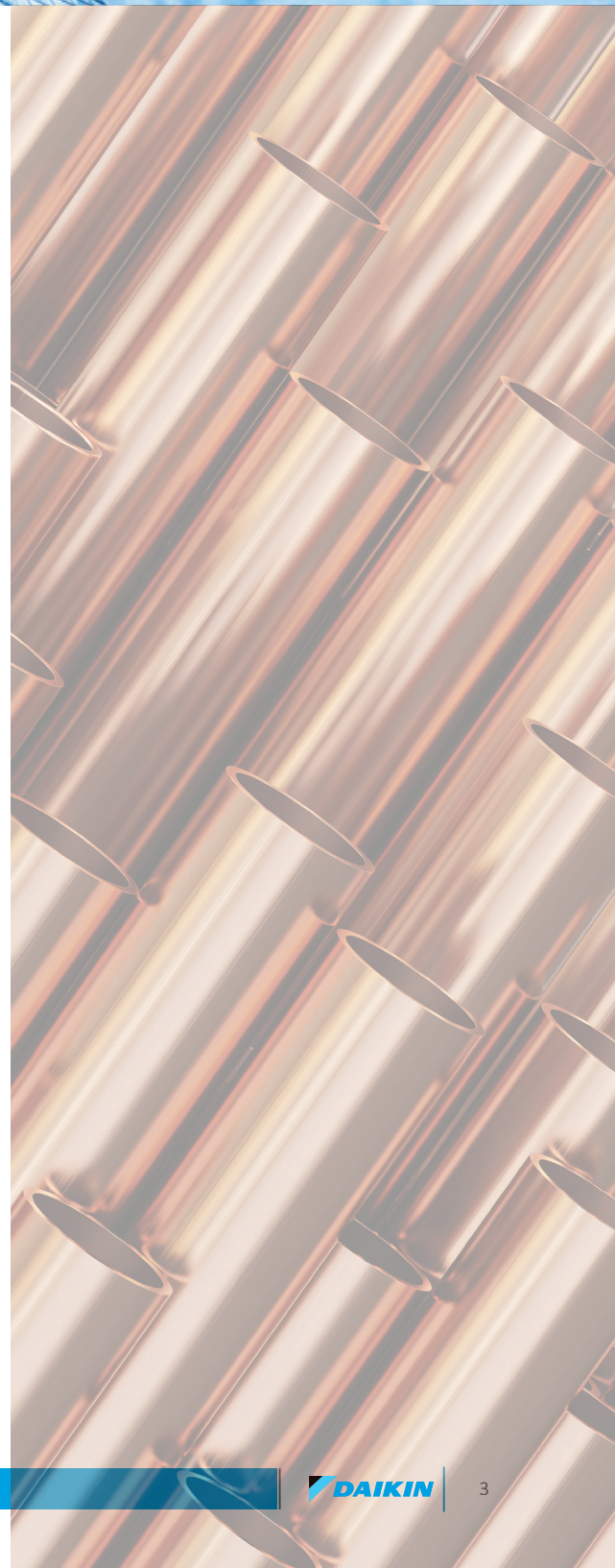
The group philosophy of the company includes:

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



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## Nomenclature

|                                                                          |  | D   | S                           | H   | 120     | 3 | S | 400     | C  | A  | A  | X  | X  | X  | X | 18 | 19 | 20 | 21 | 22 | X | A | *                                                                         |                                                                    |  |
|--------------------------------------------------------------------------|--|-----|-----------------------------|-----|---------|---|---|---------|----|----|----|----|----|----|---|----|----|----|----|----|---|---|---------------------------------------------------------------------------|--------------------------------------------------------------------|--|
|                                                                          |  | 1   | 2                           | 3   | 4,5,6   | 7 | 8 | 9,10,11 | 12 | 13 | 14 | 15 | 16 | 17 |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| <b>Brand</b>                                                             |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | <b>Revision Levels</b>                                             |  |
| D Daikin                                                                 |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | Major & Minor                                                      |  |
| <b>Configuration</b>                                                     |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| S R-32 Standard Efficiency                                               |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | X No Options                                                       |  |
| H R-32 High Efficiency                                                   |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| V Inverter (variable speed compressor)                                   |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| <b>Application</b>                                                       |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| C Cooling                                                                |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | X No Options                                                       |  |
| G Gas Heat                                                               |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | B Single point power connection for Power Exhaust                  |  |
| H Heat Pump                                                              |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | T Single point power connection for Power Exhaust (w/ Transformer) |  |
| <b>Nominal Cooling Capacity</b>                                          |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | <b>IAQ</b>                                                         |  |
| 036 3 Tons                                                               |  | 090 | 7½ Tons                     | 180 | 15 Tons |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | X No Options                                                              |                                                                    |  |
| 048 4 Tons                                                               |  | 102 | 8½ Tons                     | 240 | 20 Tons |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| 060 5 Tons                                                               |  | 120 | 10 Tons                     | 300 | 25 Tons |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| 072 6 Tons                                                               |  | 150 | 12½ tons                    |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| <b>Voltage</b>                                                           |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | <b>Service Options</b>                                             |  |
| 1 208-230/1/60                                                           |  | 4   | 460/3/60                    |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | A Powered convenience outlet                                              |                                                                    |  |
| 3 208-230/3/60                                                           |  | 7   | 575/3/60                    |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | B Non-powered convenience outlet                                          |                                                                    |  |
| <b>Supply Fan/Drive Type/Motor</b>                                       |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | C Hinge Panels                                                     |  |
| D Direct Drive - Standard Static                                         |  | L   | Direct Drive -Medium Static |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | D Hinged Panels and Powered convenience outlet                            |                                                                    |  |
| W Direct Drive - High Static                                             |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | E Hinged Panels and non-powered convenience outlet                 |  |
| <b>Nominal Heating Capacity</b>                                          |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | X No Options                                                       |  |
| <b>Gas/Electric</b>                                                      |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | <b>Electrical</b>                                                  |  |
| <b>A/C H/P Factory-Installed Electric Heat</b>                           |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           | X No Options                                                       |  |
| 045 45,000 BTU/h                                                         |  | XXX | No Heat                     |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | A Non-Fused Disconnect                                                    |                                                                    |  |
| 060 60,000 BTU/h                                                         |  | 005 | 5kW                         |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | B Phase Monitor                                                           |                                                                    |  |
| 070 70,000 BTU/h                                                         |  | 010 | 10 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | C Thru-the-base connections                                               |                                                                    |  |
| 080 80,000 BTU/h                                                         |  | 015 | 15 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | D SCCR                                                                    |                                                                    |  |
| 090 90,000 BTU/h                                                         |  | 020 | 20 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | E Non-Fused Disconnect and Phase Monitor                                  |                                                                    |  |
| 100 100,000 BTU/h                                                        |  | 030 | 30 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | F Non-Fused Disconnect and Thru-the-base connectons                       |                                                                    |  |
| 115 115,000 BTU/h                                                        |  | 045 | 45 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | G Non-Fused Disconnect and SCCR                                           |                                                                    |  |
| 125 125,000 BTU/h                                                        |  | 060 | 60 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | H Phase Monitor and Thru-the-base connections                             |                                                                    |  |
| 130 130,000 BTU/h                                                        |  | 075 | 75kW                        |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | J Phase Monitor and SCCR                                                  |                                                                    |  |
| 140 140,000 BTU/h                                                        |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | K Thru-the-base connections and SCCR                                      |                                                                    |  |
| 150 150,000 BTU/h                                                        |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | L Non-Fused Disconnect, Thru-the-base connectons and Phase Monitor        |                                                                    |  |
| 180 180,000 BTU/h                                                        |  | S05 | 5kW                         | S30 | 30 kW   |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | M Non-Fused Disconnect, Phase Monitor and SCCR                            |                                                                    |  |
| 210 210,000 BTU/h                                                        |  | S10 | 10 kW                       | S45 | 45 kW   |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | N Non-Fused Disconnect, Thru-the-base connections and SCCR                |                                                                    |  |
| 225 225,000 BTU/h                                                        |  | S20 | 20 kW                       | S60 | 60 kW   |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | P Phase Monitor, Thru-the-base connections and SCCR                       |                                                                    |  |
| 240 240,000 BTU/h                                                        |  | S22 | 20 kW                       | S75 | 75kW    |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   | Q Non-Fused Disconnect, Thru-the-base connections, Phase Monitor and SCCR |                                                                    |  |
| 260 260,000 BTU/h                                                        |  | S25 | 25 kW                       |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| 350 350,000 BTU/h                                                        |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| 360 360,000 BTU/h                                                        |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| 400 400,000 BTU/h                                                        |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| 480 480,000 BTU/h                                                        |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| See product specifications for heat size(s) available for each capacity. |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| <b>Refrigeration Systems</b>                                             |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| A Single stage cooling modes                                             |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| C Two stage cooling modes                                                |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| F Two stage cooling modes with Hot Gas Reheat and Low-ambient control    |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| G Single stage cooling mode with Low-ambient controller                  |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| H Two stage cooling mode with Low-ambient controller                     |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| I Inverter (variable speed compressor)                                   |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| J Inverter hot gas reheat (variable speed compressor)                    |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| <b>Heat Exchanger</b>                                                    |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| X No options U Ultra Low No <sub>x</sub>                                 |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| A Standard Aluminized Exchanger                                          |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |
| S Stainless Steel Exchanger                                              |  |     |                             |     |         |   |   |         |    |    |    |    |    |    |   |    |    |    |    |    |   |   |                                                                           |                                                                    |  |

|                                        |  |
|----------------------------------------|--|
| <b>Coils, Hail guard</b>               |  |
| X No Options                           |  |
| C Hail Guard                           |  |
| <b>Sensors</b>                         |  |
| D R-32 Sensor                          |  |
| E RA Smoke Detector w/ R32 Sensor      |  |
| F SA Smoke Detector w/ R32 Sensor      |  |
| G RA & SA Smoke Detector w/ R32 Sensor |  |

| AC STOCKING MODELS     |                          |
|------------------------|--------------------------|
| New Daikin 15 – 25 Ton |                          |
| MODEL NUMBER           | CODE STRING              |
| DSH1803D000001S        | DSH1803DXXXCXADXXXXXXXAA |
| DSH1804D000001S        | DSH1804DXXXCXADXXXXXXXAA |
| DSH1807D000001S        | DSH1807DXXXCXADXXXXXXXAA |
| DSH2403D000001S        | DSH2403DXXXCXADXXXXXXXAA |
| DSH2404D000001S        | DSH2404DXXXCXADXXXXXXXAA |
| DSH2407D000001S        | DSH2407DXXXCXADXXXXXXXAA |

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

### Installation

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

### Cabinet Construction

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

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

### Compressor

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

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

### Supply Fan

Supply fan will be 2 direct-drive motors. Ball bearing Direct-Drive EEM motor removes the need for belts, sheaves, bearings and lubrication.

- » Slide out forward curb fans for easy maintenance and replacement.
- » High-static drive options for applications with high airflow/static requirements.
- » Each fan assembly is dynamically trim balanced at the factory before shipment for quick start-up and efficient operation.
- » Motor with thermal overload is provided for long lasting operation.

### Coils

The indoor coil section is installed in a draw through configuration to provide better dehumidification. These coils are constructed with seamless copper tubes, mechanically bonded into aluminum plate-type fins with full drawn collars to completely cover the tubes for high operating efficiencies.

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



### Controls and Wiring

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

- » Units are factory-wired with color-coded wires and complete 24-volt Electromechanical controls package.
- » Units include single-point power entry as standard and also available with electric heat kits if selected.
- » Terminal strips are provided as standard for easy installation and field power wiring.

### Filtration

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

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

### Heating Section

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

### Electric Heat

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

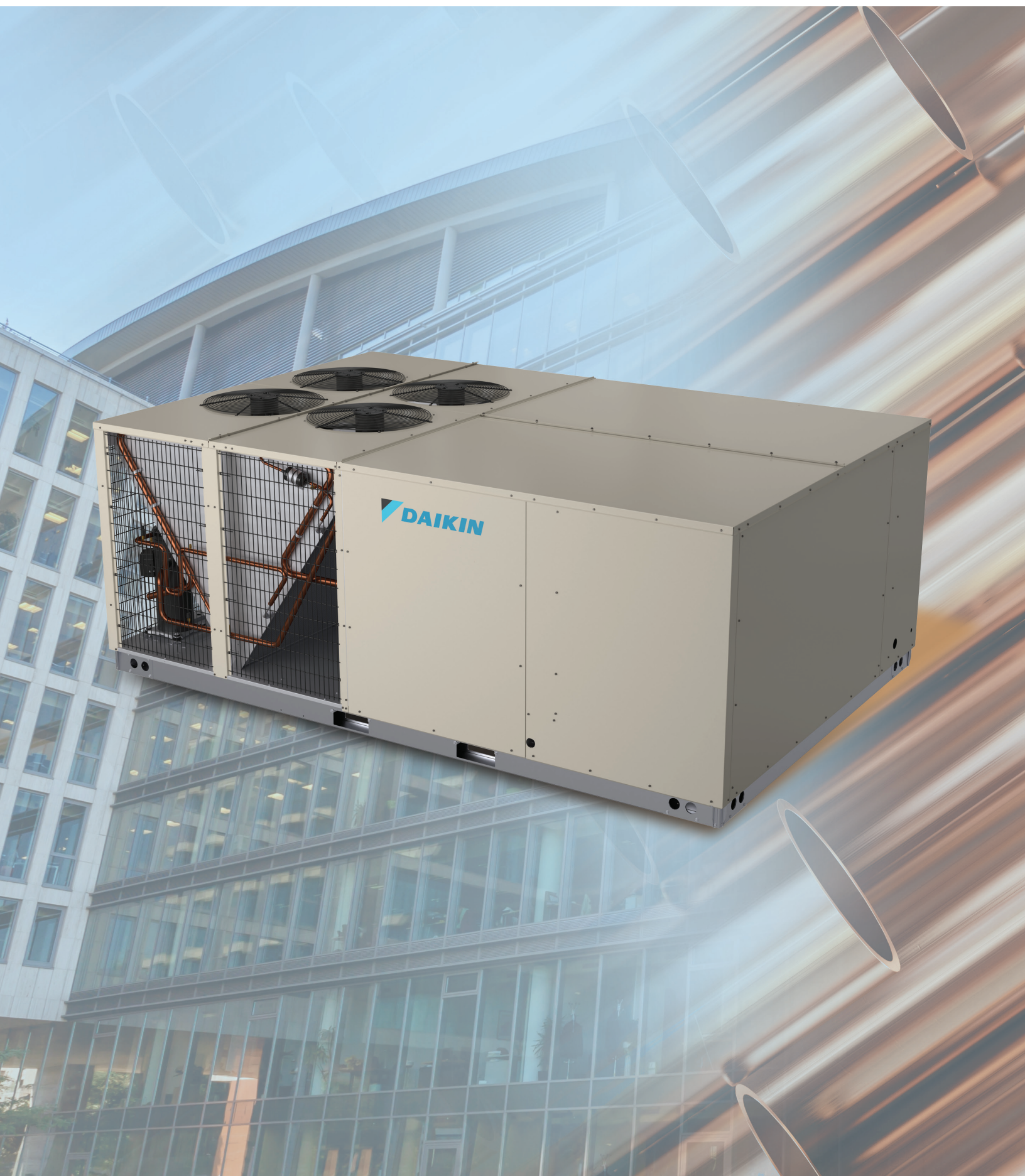
- » Heating control is fully integrated into the unit's control system for quick start-up and reliable control.
- » Multi-stage capability for application flexibility.
- » Durable low watt density, nickel chromium elements provide longer life (compared to units without)..

- » Fuses are provided in each branch circuit to a maximum of 48 Amps per NEC requirements.
- » Single-point power connection reduces installation cost.
- » Operational safeties for electric heat includes automatic reset, and high temperature limit protection to prevent electric heat operation in the event of no airflow.

### Electrical

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

- » Wiring complies with NEC requirements and all applicable UL standards.
- » Units are factory-wired with color-coded wires and complete 24-volt electromechanical controls package.
- » A 115 V GFI convenience outlet requiring independent power supply for the receptacle is optional.
- » An optional unit powered 20 amp 115 V convenience outlet, complete with factory mounted transformer, disconnect switch, and primary and secondary overload protection, eliminates the need to pull a separate 115 V power source.
- » Supply air fan, compressor, and condenser fan motor branch circuits have individual short circuit protection. Unit includes knockouts in the bottom of the main control panels for field wiring entrance.
- » A single-point power connection with power block is standard and a terminal strip is provided for connecting low voltage control wiring.
- » For better serviceability an optional non-fused disconnect switch is mounted inside the control panel and operated by an externally mounted handle to disconnect the electrical power at the unit.



### Applications

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

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

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

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

### Serviceability

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

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



| PHYSICAL DATA COOLING                              |                 |                 |                 |
|----------------------------------------------------|-----------------|-----------------|-----------------|
| Model                                              | DSH1803D000001S | DSH1804D000001S | DSH1807D000001S |
| COOLING CAPACITY                                   |                 |                 |                 |
| Total BTU/H                                        | 180,000         | 180,000         | 180,000         |
| EER                                                | 10.6            | 10.6            | 10.6            |
| IEER                                               | 14.50           | 14.50           | 14.50           |
| AHRI Reference #                                   |                 |                 |                 |
| EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)     |                 |                 |                 |
| Motor Type                                         | Direct Drive    | Direct Drive    | Direct Drive    |
| External Static Pressure (ESP)                     | Standard        | Standard        | Standard        |
| Wheel Dia. X Width                                 | 15 x 15         | 15 x 15         | 15 x 15         |
| Indoor Nominal CFM                                 | 7700            | 7700            | 7700            |
| RPM                                                | 300-1600        | 300-1600        | 300-1600        |
| Indoor Horsepower                                  | 3.5             | 3.5             | 3.5             |
| Filter Size (in)                                   | 20 X 20 X 2 (8) | 20 X 20 X 2 (8) | 20 X 20 X 2 (8) |
| Drain Size (NPT)                                   | 1"              | 1"              | 1"              |
| R-32 Refrigerant Charge (oz.) (1)                  | 360             | 360             | 360             |
| R-32 Refrigerant Charge (oz.) (2)                  | 350             | 350             | 350             |
| Evaporator Coil Face Area (ft <sup>2</sup> )       | 21.69           | 21.69           | 21.69           |
| Rows Deep/ Fins per Inch                           | 4/18            | 4/18            | 4/18            |
| CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER) |                 |                 |                 |
| Quantity of Condenser Fan Motors                   | 4               | 4               | 4               |
| RPM (High/Low stage)                               | 1060            | 1060            | 1060            |
| Outdoor Horsepower                                 | 1/2             | 1/2             | 1/2             |
| Fan Diameter/ # Fan Blades                         | 22 / 3          | 22 / 3          | 22 / 3          |
| Face Area (ft <sup>2</sup> )                       | 21.68           | 21.68           | 21.68           |
| Rows Deep / Fins per Inch                          | 3/16            | 3/16            | 3/16            |
| COMPRESSOR                                         |                 |                 |                 |
| Quantity / Type / Stages per Compression           | 2 / Scroll / 1  | 2 / Scroll / 1  | 2 / Scroll / 1  |
| Compressor RLA / LRA                               | 25.0 / 179      | 10.9 / 103.0    | 8.4 / 78.0      |
| ELECTRICAL DATA                                    |                 |                 |                 |
| Voltage-Phase-Frequency                            | 208/230-3-60    | 460-3-60        | 575-3-60        |
| Indoor Blower FLA                                  | 10.9            | 7.2             | 5               |
| Max External Static (In. W.C.)                     | 1.2             | 1.2             | 1.2             |
| Outdoor Fan FLA                                    | 2.7             | 1.4             | 1               |
| Min. Circuit Ampacity <sup>1</sup>                 | 88.9/88.9       | 44.5            | 33              |
| Max. Overcurrent Protection (A) <sup>2</sup>       | 110/110         | 50              | 40              |
| Power Supply Conduit Hole Dia. (in)                | 2.5             | 2.5             | 2.5             |
| Low-Voltage Conduit Hole Dia. (in)                 | 0.5             | 0.5             | 0.5             |
| OPERATING WEIGHT (LBS.)                            |                 |                 |                 |
|                                                    | 2273            | 2273            | 2273            |
| SHIPPING WEIGHT (LBS.)                             |                 |                 |                 |
|                                                    | 2388            | 2388            | 2388            |

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

<sup>2</sup> 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.

| PHYSICAL DATA COOLING                              |                 |                 |                 |
|----------------------------------------------------|-----------------|-----------------|-----------------|
| Model                                              | DSH2403D000001S | DSH2404D000001S | DSH2407D000001S |
| COOLING CAPACITY                                   |                 |                 |                 |
| Total BTU/H                                        | 226,000         | 226,000         | 226,000         |
| EER                                                | 10.6            | 10.6            | 10.6            |
| IEER                                               | 14.35           | 14.35           | 14.35           |
| AHRI Reference #                                   |                 |                 |                 |
| EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)     |                 |                 |                 |
| Motor Type                                         | Direct Drive    | Direct Drive    | Direct Drive    |
| External Static Pressure (ESP)                     | Standard        | Standard        | Standard        |
| Wheel Dia. X Width                                 | 15 x 15         | 15 x 15         | 15 x 15         |
| Indoor Nominal CFM                                 | 7000            | 7000            | 7000            |
| RPM                                                | 300-1600        | 300-1600        | 300-1600        |
| Indoor Horsepower                                  | 3.5             | 3.5             | 3.5             |
| Filter Size (in)                                   | 20 X 20 X 2 (8) | 20 X 20 X 2 (8) | 20 X 20 X 2 (8) |
| Drain Size (NPT)                                   | 1"              | 1"              | 1"              |
| R-32 Refrigerant Charge (oz.) (1)                  | 320             | 320             | 320             |
| R-32 Refrigerant Charge (oz.) (2)                  | 320             | 320             | 320             |
| Evaporator Coil Face Area (ft²)                    | 21.69           | 21.69           | 21.69           |
| Rows Deep/ Fins per Inch                           | 4/18            | 4/18            | 4/18            |
| CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER) |                 |                 |                 |
| Quantity of Condenser Fan Motors                   | 4               | 4               | 4               |
| RPM (High/Low stage)                               | 1060            | 1060            | 1060            |
| Outdoor Horsepower                                 | 1/2             | 1/2             | 1/2             |
| Fan Diameter/ # Fan Blades                         | 22 / 3          | 22 / 3          | 22 / 3          |
| Face Area (ft²)                                    | 21.68           | 21.68           | 21.68           |
| Rows Deep / Fins per Inch                          | 3/16            | 3/16            | 3/16            |
| COMPRESSOR                                         |                 |                 |                 |
| Quantity / Type / Stages per Compression           | 2 / Scroll / 1  | 2 / Scroll / 1  | 2 / Scroll / 1  |
| Compressor RLA / LRA                               | 29.4 / 225      | 13.7 / 130.0    | 10.9 / 93.7     |
| ELECTRICAL DATA                                    |                 |                 |                 |
| Voltage-Phase-Frequency                            | 208/230-3-60    | 460-3-60        | 575-3-60        |
| Indoor Blower FLA                                  | 10.9            | 7.2             | 5               |
| Max External Static (In. W.C.)                     | 1.2             | 1.2             | 1.2             |
| Outdoor Fan FLA                                    | 2.7             | 1.4             | 1               |
| Min. Circuit Ampacity <sup>1</sup>                 | 98.7/98.7       | 50.8            | 38.5            |
| Max. Overcurrent Protection (A) <sup>2</sup>       | 125/125         | 60              | 45              |
| Power Supply Conduit Hole Dia. (in)                | 2.5             | 2.5             | 2.5             |
| Low-Voltage Conduit Hole Dia. (in)                 | 0.5             | 0.5             | 0.5             |
| OPERATING WEIGHT (LBS.)                            |                 |                 |                 |
|                                                    | 2354            | 2354            | 2354            |
| SHIPPING WEIGHT (LBS.)                             |                 |                 |                 |
|                                                    | 2469            | 2469            | 2469            |

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

<sup>2</sup> 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.

## Product Specifications

### Coil Dimensions

| MODEL | TONS | FIN HEIGHT IN. | FIN LENGTH IN. | TYPE    |
|-------|------|----------------|----------------|---------|
| DSH   | 15   | 40             | 78.092         | Indoor  |
| DSH   | 20   | 40             | 78.092         | Indoor  |
| DSH   | 15   | 41.58          | 75.090         | Outdoor |
| DSH   | 20   | 41.58          | 75.090         | Outdoor |

### AHRI Ratings

| MODEL           | CAPACITY 95F | EER  | IEER  | CAPACITY 47F | COP 47F | CAPACITY 17F | COP 17F |
|-----------------|--------------|------|-------|--------------|---------|--------------|---------|
| DSH1803D000001S | 180,000      | 10.6 | 14.50 | 172,000      | 3.30    | 100,000      | 2.05    |
| DSH1804D000001S | 180,000      | 10.6 | 14.50 | 172,000      | 3.30    | 100,000      | 2.05    |
| DSH1807D000001S | 180,000      | 10.6 | 14.50 | 172,000      | 3.30    | 100,000      | 2.05    |
| DSH2403D000001S | 226,000      | 10.6 | 14.35 | 220,000      | 3.30    | 122,000      | 2.05    |
| DSH2404D000001S | 226,000      | 10.6 | 14.35 | 220,000      | 3.30    | 122,000      | 2.05    |
| DSH2407D000001S | 226,000      | 10.6 | 14.35 | 220,000      | 3.30    | 122,000      | 2.05    |

### Sound Data

| STATIC PRESSURE | 15T SOUND (dB) AT 60 Hz |            |      |      |      |      |      |      |      |      |
|-----------------|-------------------------|------------|------|------|------|------|------|------|------|------|
|                 | Component               | A-Weighted | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| STD             | Discharge               | 81.9       | 87.4 | 84.0 | 81.8 | 78.8 | 77.8 | 72.3 | 70.7 | 63.2 |
|                 | Inlet                   | 71.0       | 88.9 | 83.6 | 71.1 | 67.8 | 64.4 | 54.8 | 55.8 | 47.7 |
| HIGH            | Discharge               | 84.8       | 95.7 | 89.2 | 85.4 | 82.3 | 79.9 | 75.2 | 73.1 | 66.7 |
|                 | Inlet                   | 74.0       | 90.6 | 85.6 | 79.8 | 70.1 | 64.9 | 56.8 | 57.8 | 51.9 |
|                 | Outdoor                 | 90.6       | 91.0 | 89.7 | 89.4 | 91.8 | 82.7 | 77.8 | 72.5 | 67.0 |

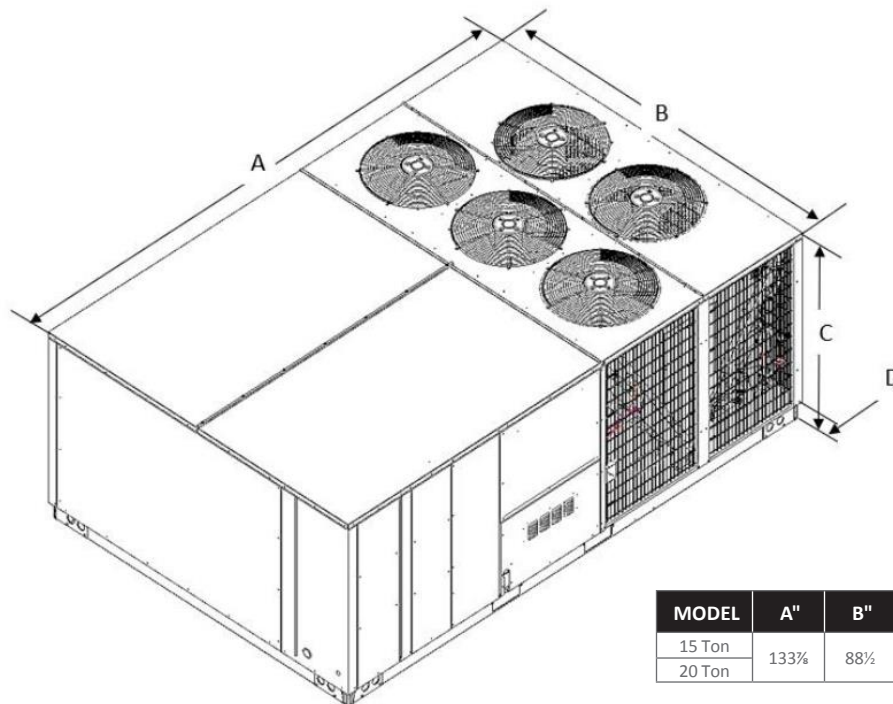
| STATIC PRESSURE | 20T SOUND (dB) AT 60 Hz |            |      |      |      |      |      |      |      |      |
|-----------------|-------------------------|------------|------|------|------|------|------|------|------|------|
|                 | Component               | A-Weighted | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
| STD             | Discharge               | 85.6       | 89.9 | 86.4 | 85.2 | 82.4 | 81.6 | 76.0 | 75.0 | 68.5 |
|                 | Inlet                   | 71.3       | 84.6 | 81.4 | 72.0 | 69.0 | 65.8 | 57.6 | 59.3 | 52.2 |
| HIGH            | Discharge               | 86.6       | 94.9 | 90.8 | 87.7 | 83.8 | 81.8 | 76.6 | 74.9 | 69.0 |
|                 | Inlet                   | 75.0       | 90.5 | 86.6 | 80.7 | 70.9 | 65.7 | 58.2 | 59.1 | 52.9 |
|                 | Outdoor                 | 89.8       | 92.5 | 91.0 | 89.1 | 90.7 | 82.1 | 77.6 | 72.6 | 67.8 |

dB - decibel

<sup>1</sup> Indoor sound data is measured in accordance with AHRI 260. Outdoor sound is measured in accordance with AHRI 370

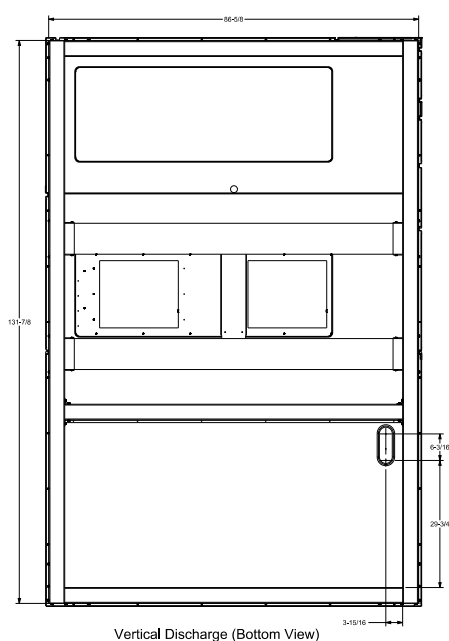
<sup>2</sup> Measurements are expressed in terms of sound power. Do not compare these values to sound pressure values because sound pressure depends on specific environment factors which normally do not match individual applications. Sound power values are independent of the environment and therefore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

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

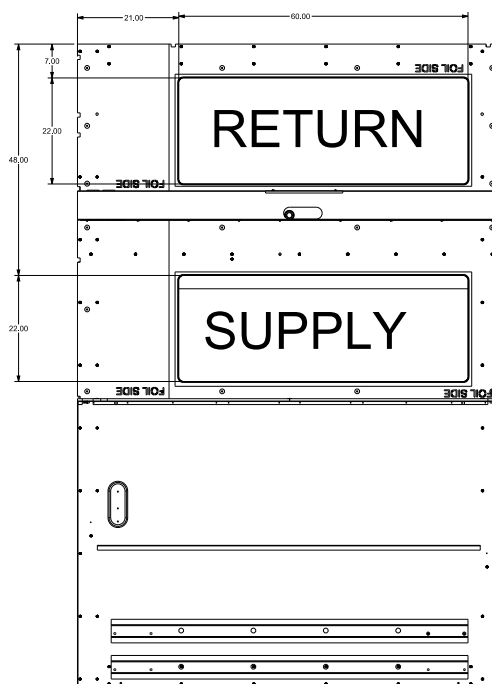


| MODEL  | A"   | B"  | C" | D"                             |
|--------|------|-----|----|--------------------------------|
| 15 Ton | 133% | 88% | 51 | 5 <sup>9</sup> / <sub>32</sub> |
| 20 Ton |      |     |    |                                |

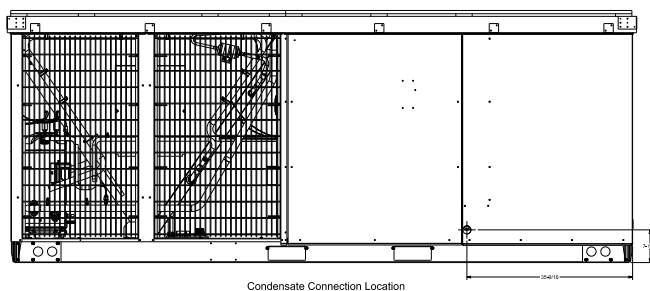
25 Ton AC shown in picture  
 20 Ton AC/HP and 15 Ton HP models have 4 fans  
 15 Ton AC model has 3 fans



Vertical Discharge (Bottom View)

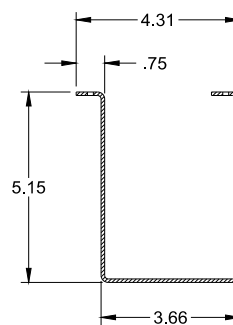
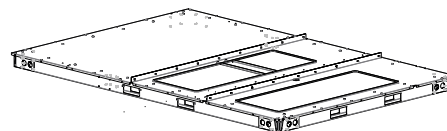
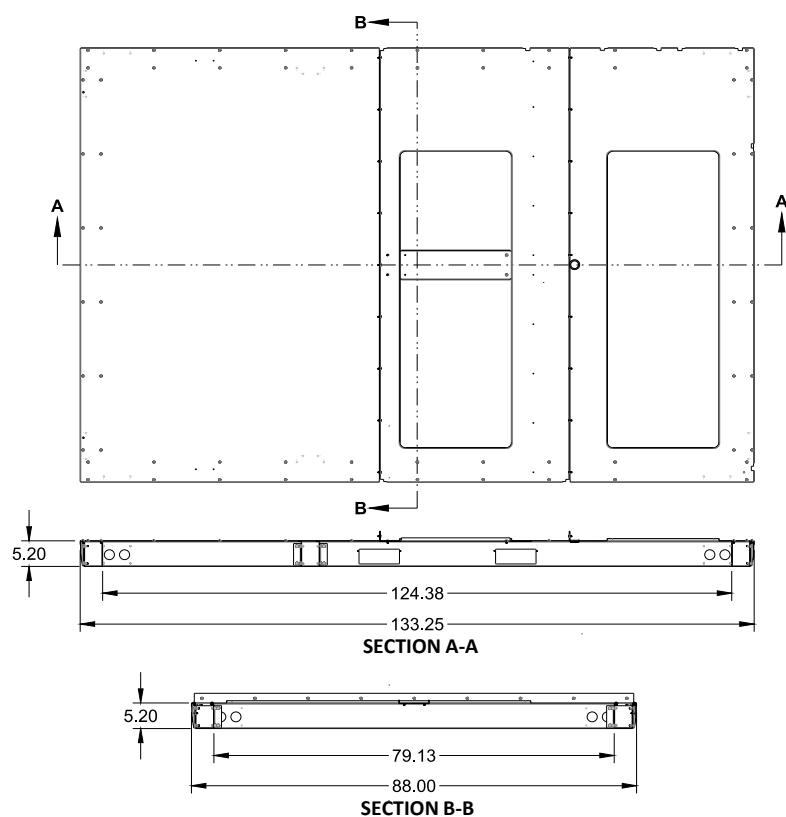


Vertical Discharge (Top View)

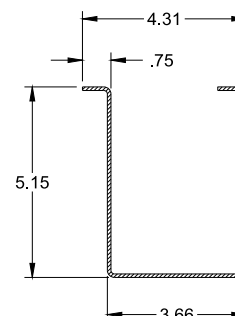


Condensate Connection Location

## Light Commercial Base Rails



SECTION A-A  
RAIL DETAIL



SECTION B-B  
RAIL DETAIL

|                                           |         | Outdoor Ambient Temperature                |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
|-------------------------------------------|---------|--------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                           |         | 65                                         |       |       |       | 75    |       |       |       | 85    |       |       |       | 95                                                                             |       |       |       | 105   |       |       |       | 115   |       |       |       |
| IDB                                       | Airflow | Entering Indoor Wet Bulb Temperature       |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 6000                                      | MBh     | 181.5                                      | 184.1 | 189.6 | -     | 179.9 | 182.5 | 188.0 | -     | 175.1 | 177.7 | 183.2 | -     | 166.9                                                                          | 169.5 | 175.0 | -     | 156.8 | 159.4 | 164.9 | -     | 147.7 | 150.2 | 155.7 | -     |
|                                           | S/T     | 0.59                                       | 0.51  | 0.36  | -     | 0.60  | 0.51  | 0.36  | -     | 0.62  | 0.54  | 0.39  | -     | 1.00                                                                           | 0.56  | 0.41  | -     | 1.00  | 0.58  | 0.44  | -     | 1.00  | 0.64  | 0.49  | -     |
|                                           | ΔT      | 16.19                                      | 14.10 | 10.26 | -     | 16.23 | 14.16 | 10.36 | -     | 16.52 | 14.53 | 10.86 | -     | 25.29                                                                          | 14.40 | 10.94 | -     | 23.76 | 14.13 | 10.91 | -     | 22.37 | 14.60 | 11.63 | -     |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 6600                                      | MBh     | 182.8                                      | 185.4 | 190.9 | -     | 181.2 | 183.8 | 189.2 | -     | 176.4 | 179.0 | 184.5 | -     | 168.2                                                                          | 170.8 | 176.2 | -     | 158.1 | 160.7 | 166.2 | -     | 148.9 | 151.5 | 157.0 | -     |
|                                           | S/T     | 0.65                                       | 0.57  | 0.42  | -     | 0.66  | 0.57  | 0.43  | -     | 0.68  | 0.60  | 0.45  | -     | 1.00                                                                           | 0.62  | 0.47  | -     | 1.00  | 0.65  | 0.50  | -     | 1.00  | 0.70  | 0.55  | -     |
|                                           | ΔT      | 16.38                                      | 14.48 | 11.01 | -     | 16.40 | 14.53 | 11.10 | -     | 16.63 | 14.83 | 11.51 | -     | 23.16                                                                          | 14.64 | 11.52 | -     | 21.78 | 14.32 | 11.41 | -     | 20.51 | 14.67 | 12.00 | -     |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 70                                        | MBh     | 184.2                                      | 186.8 | 192.3 | -     | 182.6 | 185.2 | 190.6 | -     | 177.8 | 180.4 | 185.9 | -     | 169.6                                                                          | 172.2 | 177.6 | -     | 159.5 | 162.1 | 167.6 | -     | 150.3 | 152.9 | 158.4 | -     |
|                                           | S/T     | 0.70                                       | 0.61  | 0.47  | -     | 0.70  | 0.62  | 0.47  | -     | 0.73  | 0.65  | 0.50  | -     | 1.00                                                                           | 0.67  | 0.52  | -     | 1.00  | 0.69  | 0.55  | -     | 1.00  | 0.75  | 0.60  | -     |
|                                           | ΔT      | 16.23                                      | 14.50 | 11.32 | -     | 16.25 | 14.53 | 11.39 | -     | 16.44 | 14.78 | 11.75 | -     | 21.41                                                                          | 14.57 | 11.71 | -     | 20.14 | 14.21 | 11.55 | -     | 18.98 | 14.49 | 12.05 | -     |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 7400                                      | MBh     | 184.7                                      | 187.3 | 192.8 | -     | 183.1 | 185.7 | 191.2 | -     | 178.3 | 180.9 | 186.4 | -     | 170.1                                                                          | 172.7 | 178.1 | -     | 160.0 | 162.6 | 168.1 | -     | 150.9 | 153.4 | 158.9 | -     |
|                                           | S/T     | 0.71                                       | 0.63  | 0.48  | -     | 0.72  | 0.63  | 0.49  | -     | 0.75  | 0.66  | 0.51  | -     | 1.00                                                                           | 0.68  | 0.53  | -     | 1.00  | 0.71  | 0.56  | -     | 1.00  | 0.76  | 0.62  | -     |
|                                           | ΔT      | 16.13                                      | 14.44 | 11.36 | -     | 16.14 | 14.47 | 11.42 | -     | 16.32 | 14.71 | 11.76 | -     | 20.90                                                                          | 14.49 | 11.71 | -     | 19.66 | 14.13 | 11.55 | -     | 18.53 | 14.39 | 12.01 | -     |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 7700                                      | MBh     | 185.5                                      | 188.1 | 193.6 | -     | 183.9 | 186.5 | 192.0 | -     | 179.1 | 181.7 | 187.2 | -     | 170.9                                                                          | 173.5 | 178.9 | -     | 160.8 | 163.4 | 168.9 | -     | 151.7 | 154.2 | 159.7 | -     |
|                                           | S/T     | 0.73                                       | 0.64  | 0.50  | -     | 0.73  | 0.65  | 0.50  | -     | 1.00  | 0.68  | 0.53  | -     | 1.00                                                                           | 0.70  | 0.55  | -     | 1.00  | 0.72  | 0.58  | -     | 1.00  | 0.78  | 0.63  | -     |
|                                           | ΔT      | 15.95                                      | 14.32 | 11.35 | -     | 15.95 | 14.35 | 11.41 | -     | 21.15 | 14.57 | 11.73 | -     | 20.18                                                                          | 14.34 | 11.66 | -     | 18.99 | 13.98 | 11.49 | -     | 17.90 | 14.22 | 11.93 | -     |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 6000                                      | MBh     | 181.6                                      | 184.2 | 189.7 | 198.1 | 180.0 | 182.6 | 188.1 | 196.4 | 175.2 | 177.8 | 183.3 | 191.6 | 167.0                                                                          | 169.6 | 175.1 | 183.4 | 156.9 | 159.5 | 165.0 | 173.4 | 147.8 | 150.4 | 155.8 | 164.2 |
|                                           | S/T     | 0.73                                       | 0.65  | 0.50  | 0.34  | 1.00  | 0.65  | 0.50  | 0.35  | 1.00  | 0.68  | 0.53  | 0.38  | 1.00                                                                           | 0.70  | 0.55  | 0.40  | 1.00  | 0.73  | 0.58  | 0.42  | 1.00  | 1.00  | 0.63  | 0.48  |
|                                           | ΔT      | 20.08                                      | 18.04 | 14.32 | 10.3  | 27.27 | 18.07 | 14.39 | 10.4  | 26.55 | 18.34 | 14.78 | 10.9  | 25.30                                                                          | 18.03 | 14.69 | 11.0  | 23.78 | 17.55 | 14.45 | 11.1  | 22.39 | 22.78 | 14.97 | 11.9  |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 6600                                      | MBh     | 182.9                                      | 185.5 | 191.0 | 199.3 | 181.3 | 183.9 | 189.3 | 197.7 | 176.5 | 179.1 | 184.6 | 192.9 | 168.3                                                                          | 170.9 | 176.3 | 184.7 | 158.2 | 160.8 | 166.3 | 174.6 | 149.0 | 151.6 | 157.1 | 165.5 |
|                                           | S/T     | 0.79                                       | 0.71  | 0.56  | 0.40  | 1.00  | 0.72  | 0.57  | 0.41  | 1.00  | 0.74  | 0.59  | 0.44  | 1.00                                                                           | 0.76  | 0.62  | 0.46  | 1.00  | 0.79  | 0.64  | 0.48  | 1.00  | 1.00  | 0.70  | 0.54  |
|                                           | ΔT      | 19.94                                      | 18.10 | 14.73 | 11.1  | 24.97 | 18.11 | 14.78 | 11.2  | 24.31 | 18.32 | 15.11 | 11.6  | 23.18                                                                          | 17.97 | 14.95 | 11.7  | 21.79 | 17.45 | 14.65 | 11.6  | 20.53 | 20.89 | 15.06 | 12.3  |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 75                                        | MBh     | 184.3                                      | 186.9 | 192.4 | 200.8 | 182.7 | 185.3 | 190.8 | 199.1 | 177.9 | 180.5 | 186.0 | 194.3 | 169.7                                                                          | 172.3 | 177.7 | 186.1 | 159.6 | 162.2 | 167.7 | 176.0 | 150.5 | 153.0 | 158.5 | 166.9 |
|                                           | S/T     | 0.84                                       | 0.76  | 0.61  | 0.45  | 1.00  | 0.76  | 0.61  | 0.46  | 1.00  | 0.79  | 0.64  | 0.49  | 1.00                                                                           | 0.81  | 0.66  | 0.51  | 1.00  | 1.00  | 0.69  | 0.53  | 1.00  | 1.00  | 0.74  | 0.59  |
|                                           | ΔT      | 19.53                                      | 17.84 | 14.76 | 11.4  | 23.07 | 17.84 | 14.80 | 11.5  | 22.46 | 18.00 | 15.07 | 11.9  | 21.43                                                                          | 17.65 | 14.88 | 11.9  | 20.16 | 20.48 | 14.55 | 11.8  | 19.00 | 19.32 | 14.88 | 12.4  |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 7400                                      | MBh     | 184.8                                      | 187.4 | 192.9 | 201.3 | 183.2 | 185.8 | 191.3 | 199.6 | 178.4 | 181.0 | 186.5 | 194.8 | 170.2                                                                          | 172.8 | 178.3 | 186.6 | 160.1 | 162.7 | 168.2 | 176.6 | 151.0 | 153.5 | 159.0 | 167.4 |
|                                           | S/T     | 0.85                                       | 0.77  | 0.62  | 0.46  | 1.00  | 0.78  | 0.63  | 0.47  | 1.00  | 0.80  | 0.65  | 0.50  | 1.00                                                                           | 0.82  | 0.68  | 0.52  | 1.00  | 1.00  | 0.70  | 0.54  | 1.00  | 1.00  | 0.76  | 0.60  |
|                                           | ΔT      | 19.35                                      | 17.70 | 14.71 | 11.5  | 22.51 | 17.70 | 14.74 | 11.6  | 21.92 | 17.86 | 15.00 | 11.9  | 20.91                                                                          | 17.50 | 14.80 | 11.9  | 19.67 | 19.99 | 14.47 | 11.8  | 18.55 | 18.86 | 14.78 | 12.3  |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
| 7700                                      | MBh     | 185.6                                      | 188.2 | 193.7 | 202.1 | 184.0 | 186.6 | 192.1 | 200.4 | 179.2 | 181.8 | 187.3 | 195.6 | 171.0                                                                          | 173.6 | 179.1 | 187.4 | 160.9 | 163.5 | 169.0 | 177.4 | 151.8 | 154.3 | 159.8 | 168.2 |
|                                           | S/T     | 0.87                                       | 0.79  | 0.64  | 0.48  | 1.00  | 0.79  | 0.64  | 0.49  | 1.00  | 0.82  | 0.67  | 0.52  | 1.00                                                                           | 0.84  | 0.69  | 0.54  | 1.00  | 1.00  | 0.72  | 0.56  | 1.00  | 1.00  | 0.77  | 0.62  |
|                                           | ΔT      | 19.05                                      | 17.47 | 14.58 | 11.5  | 21.72 | 17.46 | 14.61 | 11.6  | 21.16 | 17.60 | 14.86 | 11.9  | 20.19                                                                          | 17.24 | 14.65 | 11.9  | 19.00 | 19.31 | 14.31 | 11.7  | 17.92 | 18.22 | 14.60 | 12.3  |
|                                           |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |
|                                           |         | Shaded area reflects ACCA (TVA) conditions |       |       |       |       |       |       |       |       |       |       |       | High and low pressures are measured at the liquid and suction access fittings. |       |       |       |       |       |       |       |       |       |       |       |
| IDB: Entering Indoor Dry Bulb Temperature |         |                                            |       |       |       |       |       |       |       |       |       |       |       |                                                                                |       |       |       |       |       |       |       |       |       |       |       |

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

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

|      |         | Outdoor Ambient Temperature |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|---------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |         | 65                          |       |       |       | 75    |       |       |       | 85    |       |       |       | 95    |       |       |       | 105   |       |       |       | 115   |       |       |       |
| IDB  | Airflow | 59                          | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    |
| 6000 | MBh     | 182.6                       | 185.2 | 190.7 | 199.0 | 181.0 | 183.5 | 189.0 | 197.4 | 176.2 | 178.8 | 184.2 | 192.6 | 167.9 | 170.5 | 176.0 | 184.4 | 157.9 | 160.5 | 166.0 | 174.3 | 148.7 | 151.3 | 156.8 | 165.1 |
|      | S/T     | 1.00                        | 0.78  | 0.64  | 0.48  | 1.00  | 0.79  | 0.64  | 0.49  | 1.00  | 0.82  | 0.67  | 0.51  | 1.00  | 1.00  | 0.69  | 0.53  | 1.00  | 1.00  | 0.71  | 0.56  | 1.00  | 1.00  | 0.77  | 0.61  |
|      | ΔT      | 27.67                       | 21.98 | 18.35 | 14.4  | 27.42 | 21.98 | 18.39 | 14.5  | 26.69 | 22.15 | 18.69 | 15.0  | 25.45 | 25.84 | 18.42 | 14.9  | 23.92 | 24.32 | 17.98 | 14.8  | 22.53 | 22.92 | 18.32 | 15.4  |
| 6600 | MBh     | 183.9                       | 186.5 | 191.9 | 200.3 | 182.2 | 184.8 | 190.3 | 198.6 | 177.5 | 180.0 | 185.5 | 193.9 | 169.2 | 171.8 | 177.3 | 185.6 | 159.2 | 161.8 | 167.2 | 175.6 | 150.0 | 152.6 | 158.0 | 166.4 |
|      | S/T     | 1.00                        | 0.85  | 0.70  | 0.54  | 1.00  | 0.85  | 0.70  | 0.55  | 1.00  | 0.88  | 0.73  | 0.58  | 1.00  | 1.00  | 0.75  | 0.60  | 1.00  | 1.00  | 0.78  | 0.62  | 1.00  | 1.00  | 0.83  | 0.68  |
|      | ΔT      | 25.33                       | 21.71 | 18.43 | 14.9  | 25.10 | 21.69 | 18.45 | 15.0  | 24.44 | 21.81 | 18.69 | 15.4  | 23.31 | 23.67 | 18.38 | 15.2  | 21.92 | 22.28 | 17.89 | 15.0  | 20.66 | 21.02 | 18.14 | 15.5  |
| 80   | MBh     | 185.3                       | 187.9 | 193.3 | 201.7 | 183.6 | 186.2 | 191.7 | 200.1 | 178.9 | 181.5 | 186.9 | 195.3 | 170.6 | 173.2 | 178.7 | 187.1 | 160.6 | 163.2 | 168.6 | 177.0 | 151.4 | 154.0 | 159.5 | 167.8 |
|      | S/T     | 1.00                        | 0.89  | 0.74  | 0.59  | 1.00  | 0.90  | 0.75  | 0.60  | 1.00  | 0.93  | 0.78  | 0.62  | 1.00  | 1.00  | 0.80  | 0.64  | 1.00  | 1.00  | 0.82  | 0.67  | 1.00  | 1.00  | 0.88  | 0.72  |
|      | ΔT      | 23.39                       | 21.18 | 18.18 | 15.0  | 23.19 | 21.16 | 18.19 | 15.0  | 22.58 | 21.24 | 18.38 | 15.4  | 21.55 | 21.87 | 18.05 | 15.2  | 20.28 | 20.60 | 17.55 | 14.9  | 19.12 | 19.44 | 17.73 | 15.3  |
| 7400 | MBh     | 185.8                       | 188.4 | 193.9 | 202.2 | 184.2 | 186.7 | 192.2 | 200.6 | 179.4 | 182.0 | 187.4 | 195.8 | 171.1 | 173.7 | 179.2 | 187.6 | 161.1 | 163.7 | 169.1 | 177.5 | 151.9 | 154.5 | 160.0 | 168.3 |
|      | S/T     | 1.00                        | 0.91  | 0.76  | 0.60  | 1.00  | 0.91  | 0.76  | 0.61  | 1.00  | 0.94  | 0.79  | 0.64  | 1.00  | 1.00  | 0.81  | 0.66  | 1.00  | 1.00  | 0.84  | 0.68  | 1.00  | 1.00  | 0.89  | 0.74  |
|      | ΔT      | 22.82                       | 20.96 | 18.04 | 14.9  | 22.62 | 20.94 | 18.05 | 15.0  | 22.04 | 21.01 | 18.23 | 15.3  | 21.03 | 21.34 | 17.90 | 15.1  | 19.79 | 20.11 | 17.40 | 14.9  | 18.66 | 18.98 | 17.56 | 15.2  |
| 7700 | MBh     | 186.6                       | 189.2 | 194.6 | 203.0 | 185.0 | 187.5 | 193.0 | 201.4 | 180.2 | 182.8 | 188.2 | 196.6 | 171.9 | 174.5 | 180.0 | 188.4 | 161.9 | 164.5 | 169.9 | 178.3 | 152.7 | 155.3 | 160.8 | 169.1 |
|      | S/T     | 1.00                        | 0.92  | 0.77  | 0.62  | 1.00  | 0.93  | 0.78  | 0.63  | 1.00  | 1.00  | 0.81  | 0.65  | 1.00  | 1.00  | 0.83  | 0.67  | 1.00  | 1.00  | 0.85  | 0.70  | 1.00  | 1.00  | 1.00  | 0.75  |
|      | ΔT      | 22.03                       | 20.62 | 17.81 | 14.8  | 21.84 | 20.59 | 17.81 | 14.9  | 21.27 | 21.58 | 17.98 | 15.1  | 20.30 | 20.61 | 17.64 | 15.0  | 19.11 | 19.42 | 17.14 | 14.7  | 18.03 | 18.33 | 18.98 | 15.1  |
| 6000 | MBh     | 185.7                       | 188.3 | 193.7 | 202.1 | 184.0 | 186.6 | 192.1 | 200.5 | 179.3 | 181.8 | 187.3 | 195.7 | 171.0 | 173.6 | 179.1 | 187.4 | 161.0 | 163.6 | 169.0 | 177.4 | 151.8 | 154.4 | 159.9 | 168.2 |
|      | S/T     | 1.00                        | 0.89  | 0.75  | 0.59  | 1.00  | 1.00  | 0.75  | 0.60  | 1.00  | 1.00  | 0.78  | 0.62  | 1.00  | 1.00  | 0.80  | 0.65  | 1.00  | 1.00  | 1.00  | 0.67  | 1.00  | 1.00  | 1.00  | 0.73  |
|      | ΔT      | 28.13                       | 25.51 | 21.90 | 18.1  | 27.89 | 28.28 | 21.91 | 18.1  | 27.16 | 27.55 | 22.14 | 18.5  | 25.91 | 26.31 | 21.75 | 18.3  | 24.39 | 24.78 | 25.61 | 18.0  | 23.00 | 23.39 | 24.22 | 18.5  |
| 6600 | MBh     | 187.0                       | 189.5 | 195.0 | 203.4 | 185.3 | 187.9 | 193.4 | 201.7 | 180.5 | 183.1 | 188.6 | 197.0 | 172.3 | 174.9 | 180.4 | 188.7 | 162.3 | 164.8 | 170.3 | 178.7 | 153.1 | 155.7 | 161.1 | 169.5 |
|      | S/T     | 1.00                        | 0.96  | 0.81  | 0.65  | 1.00  | 1.00  | 0.81  | 0.66  | 1.00  | 1.00  | 0.84  | 0.69  | 1.00  | 1.00  | 0.86  | 0.71  | 1.00  | 1.00  | 1.00  | 0.73  | 1.00  | 1.00  | 1.00  | 0.79  |
|      | ΔT      | 25.75                       | 24.96 | 21.70 | 18.3  | 25.53 | 25.88 | 21.70 | 18.3  | 24.87 | 25.22 | 21.87 | 18.6  | 23.73 | 24.09 | 21.45 | 18.4  | 22.35 | 22.71 | 23.46 | 18.0  | 21.09 | 21.44 | 22.19 | 18.4  |
| 85   | MBh     | 188.4                       | 191.0 | 196.4 | 204.8 | 186.7 | 189.3 | 194.8 | 203.1 | 182.0 | 184.5 | 190.0 | 198.4 | 173.7 | 176.3 | 181.8 | 190.1 | 163.7 | 166.3 | 171.7 | 180.1 | 154.5 | 157.1 | 162.5 | 170.9 |
|      | S/T     | 1.00                        | 1.00  | 0.86  | 0.70  | 1.00  | 1.00  | 0.86  | 0.71  | 1.00  | 1.00  | 0.89  | 0.73  | 1.00  | 1.00  | 0.91  | 0.75  | 1.00  | 1.00  | 1.00  | 0.78  | 1.00  | 1.00  | 1.00  | 0.83  |
|      | ΔT      | 23.78                       | 24.11 | 21.21 | 18.1  | 23.58 | 23.90 | 21.21 | 18.1  | 22.97 | 23.30 | 21.34 | 18.4  | 21.93 | 22.26 | 20.91 | 18.1  | 20.67 | 20.99 | 21.68 | 17.7  | 19.51 | 19.83 | 20.52 | 18.0  |
| 7400 | MBh     | 188.9                       | 191.5 | 196.9 | 205.3 | 187.2 | 189.8 | 195.3 | 203.7 | 182.5 | 185.0 | 190.5 | 198.9 | 174.2 | 176.8 | 182.3 | 190.6 | 164.2 | 166.8 | 172.2 | 180.6 | 155.0 | 157.6 | 163.1 | 171.4 |
|      | S/T     | 1.00                        | 1.00  | 0.87  | 0.71  | 1.00  | 1.00  | 0.88  | 0.72  | 1.00  | 1.00  | 0.90  | 0.75  | 1.00  | 1.00  | 0.92  | 0.77  | 1.00  | 1.00  | 1.00  | 0.79  | 1.00  | 1.00  | 1.00  | 0.85  |
|      | ΔT      | 23.20                       | 23.52 | 21.01 | 18.0  | 23.00 | 23.32 | 21.00 | 18.0  | 22.42 | 22.73 | 21.13 | 18.2  | 21.40 | 21.72 | 20.69 | 18.0  | 20.17 | 20.49 | 21.16 | 17.6  | 19.04 | 19.36 | 20.03 | 17.9  |
| 7700 | MBh     | 189.7                       | 192.3 | 197.7 | 206.1 | 188.0 | 190.6 | 196.1 | 204.5 | 183.3 | 185.8 | 191.3 | 199.7 | 175.0 | 177.6 | 183.1 | 191.4 | 165.0 | 167.6 | 173.0 | 181.4 | 155.8 | 158.4 | 163.9 | 172.2 |
|      | S/T     | 1.00                        | 1.00  | 0.89  | 0.73  | 1.00  | 1.00  | 0.89  | 0.74  | 1.00  | 1.00  | 0.92  | 0.76  | 1.00  | 1.00  | 0.94  | 0.78  | 1.00  | 1.00  | 1.00  | 0.81  | 1.00  | 1.00  | 1.00  | 0.87  |
|      | ΔT      | 22.39                       | 22.70 | 20.67 | 17.7  | 22.20 | 22.51 | 20.66 | 17.8  | 21.64 | 21.94 | 20.77 | 18.0  | 20.66 | 20.97 | 20.34 | 17.7  | 19.48 | 19.78 | 20.43 | 17.3  | 18.39 | 18.70 | 19.34 | 17.6  |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

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

|      |         | Outdoor Ambient Temperature |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |       |       |       |    |
|------|---------|-----------------------------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|-------|-------|-------|----|
|      |         | 65                          |       |       |    | 75    |       |       |    | 85    |       |       |    | 95    |       |       |    | 105   |       |       |    | 115   |       |       |    |
| IDB  | Airflow | 59                          | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 | 59    | 63    | 67    | 71 |
| 6000 | MBh     | 229.5                       | 232.8 | 239.7 | -  | 227.5 | 230.7 | 237.6 | -  | 221.5 | 224.7 | 231.6 | -  | 211.1 | 214.4 | 221.3 | -  | 198.5 | 201.8 | 208.6 | -  | 187.0 | 190.2 | 197.1 | -  |
|      | S/T     | 0.58                        | 0.50  | 0.37  | -  | 0.58  | 0.51  | 0.38  | -  | 0.61  | 0.53  | 0.40  | -  | 0.63  | 0.55  | 0.42  | -  | 1.00  | 0.57  | 0.44  | -  | 1.00  | 0.62  | 0.49  | -  |
|      | ΔT      | 20.08                       | 17.76 | 13.50 | -  | 20.11 | 17.81 | 13.60 | -  | 20.39 | 18.18 | 14.11 | -  | 20.04 | 17.95 | 14.12 | -  | 30.08 | 17.55 | 13.99 | -  | 28.33 | 17.99 | 14.71 | -  |
| 6500 | MBh     | 231.2                       | 234.4 | 241.3 | -  | 229.1 | 232.3 | 239.2 | -  | 223.1 | 226.3 | 233.2 | -  | 212.8 | 216.0 | 222.9 | -  | 200.1 | 203.4 | 210.3 | -  | 188.6 | 191.9 | 198.7 | -  |
|      | S/T     | 0.62                        | 0.54  | 0.41  | -  | 0.62  | 0.55  | 0.42  | -  | 0.65  | 0.57  | 0.44  | -  | 0.67  | 0.59  | 0.46  | -  | 1.00  | 0.61  | 0.48  | -  | 1.00  | 0.66  | 0.53  | -  |
|      | ΔT      | 19.93                       | 17.79 | 13.87 | -  | 19.94 | 17.83 | 13.95 | -  | 20.18 | 18.14 | 14.39 | -  | 19.81 | 17.88 | 14.35 | -  | 27.99 | 17.44 | 14.16 | -  | 26.38 | 17.79 | 14.78 | -  |
| 7000 | MBh     | 232.9                       | 236.2 | 243.1 | -  | 230.9 | 234.1 | 241.0 | -  | 224.9 | 228.1 | 235.0 | -  | 214.6 | 217.8 | 224.7 | -  | 201.9 | 205.2 | 212.0 | -  | 190.4 | 193.7 | 200.5 | -  |
|      | S/T     | 0.65                        | 0.57  | 0.44  | -  | 0.65  | 0.58  | 0.45  | -  | 0.68  | 0.60  | 0.47  | -  | 0.70  | 0.62  | 0.49  | -  | 1.00  | 0.64  | 0.51  | -  | 1.00  | 0.69  | 0.56  | -  |
|      | ΔT      | 19.55                       | 17.56 | 13.91 | -  | 19.56 | 17.59 | 13.99 | -  | 19.76 | 17.86 | 14.38 | -  | 19.38 | 17.58 | 14.30 | -  | 26.23 | 17.14 | 14.09 | -  | 24.73 | 17.43 | 14.62 | -  |
| 7500 | MBh     | 234.9                       | 238.2 | 245.1 | -  | 232.9 | 236.1 | 243.0 | -  | 226.9 | 230.1 | 237.0 | -  | 216.5 | 219.8 | 226.7 | -  | 203.9 | 207.2 | 214.0 | -  | 192.4 | 195.6 | 202.5 | -  |
|      | S/T     | 0.67                        | 0.59  | 0.46  | -  | 0.67  | 0.60  | 0.47  | -  | 0.70  | 0.62  | 0.49  | -  | 0.72  | 0.64  | 0.51  | -  | 1.00  | 0.66  | 0.53  | -  | 1.00  | 0.71  | 0.58  | -  |
|      | ΔT      | 19.02                       | 17.15 | 13.74 | -  | 19.02 | 17.17 | 13.80 | -  | 19.20 | 17.42 | 14.16 | -  | 18.82 | 17.14 | 14.06 | -  | 24.72 | 16.69 | 13.83 | -  | 23.32 | 16.95 | 14.31 | -  |
| 8000 | MBh     | 237.2                       | 240.4 | 247.3 | -  | 235.1 | 238.3 | 245.2 | -  | 229.1 | 232.3 | 239.2 | -  | 218.8 | 222.0 | 228.9 | -  | 206.1 | 209.4 | 216.3 | -  | 194.6 | 197.9 | 204.7 | -  |
|      | S/T     | 0.68                        | 0.61  | 0.48  | -  | 0.69  | 0.61  | 0.48  | -  | 0.71  | 0.64  | 0.51  | -  | 1.00  | 0.66  | 0.53  | -  | 1.00  | 0.68  | 0.55  | -  | 1.00  | 0.73  | 0.60  | -  |
|      | ΔT      | 18.38                       | 16.61 | 13.39 | -  | 18.38 | 16.63 | 13.45 | -  | 18.54 | 16.86 | 13.78 | -  | 24.86 | 16.58 | 13.68 | -  | 23.42 | 16.15 | 13.45 | -  | 22.11 | 16.38 | 13.89 | -  |

|      |         | Outdoor Ambient Temperature |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|---------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |         | 65                          |       |       |       | 75    |       |       |       | 85    |       |       |       | 95    |       |       |       | 105   |       |       |       | 115   |       |       |       |
| IDB  | Airflow | 59                          | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    |
| 6000 | MBh     | 229.7                       | 232.9 | 239.8 | 250.3 | 227.6 | 230.9 | 237.7 | 248.2 | 221.6 | 224.9 | 231.7 | 242.2 | 211.3 | 214.5 | 221.4 | 231.9 | 198.7 | 201.9 | 208.8 | 219.3 | 187.1 | 190.4 | 197.2 | 207.7 |
|      | S/T     | 0.70                        | 0.63  | 0.50  | 0.36  | 0.71  | 0.63  | 0.50  | 0.36  | 1.00  | 0.66  | 0.53  | 0.39  | 1.00  | 0.68  | 0.55  | 0.41  | 1.00  | 0.70  | 0.57  | 0.43  | 1.00  | 0.75  | 0.62  | 0.48  |
|      | ΔT      | 24.45                       | 22.19 | 18.06 | 13.6  | 24.44 | 22.20 | 18.12 | 13.7  | 33.58 | 22.45 | 18.52 | 14.3  | 32.01 | 22.04 | 18.33 | 14.3  | 30.10 | 21.40 | 17.96 | 14.3  | 28.35 | 21.61 | 18.46 | 15.1  |
| 6500 | MBh     | 231.3                       | 234.5 | 241.4 | 251.9 | 229.2 | 232.5 | 239.3 | 249.8 | 223.2 | 226.5 | 233.3 | 243.8 | 212.9 | 216.1 | 223.0 | 233.5 | 200.3 | 203.5 | 210.4 | 220.9 | 188.8 | 192.0 | 198.9 | 209.4 |
|      | S/T     | 0.74                        | 0.67  | 0.54  | 0.40  | 0.75  | 0.67  | 0.54  | 0.40  | 1.00  | 0.70  | 0.57  | 0.43  | 1.00  | 0.72  | 0.59  | 0.45  | 1.00  | 0.74  | 0.61  | 0.47  | 1.00  | 0.79  | 0.66  | 0.52  |
|      | ΔT      | 23.99                       | 21.91 | 18.10 | 14.0  | 23.97 | 21.91 | 18.15 | 14.1  | 31.22 | 22.11 | 18.49 | 14.6  | 29.78 | 21.68 | 18.26 | 14.6  | 28.01 | 21.02 | 17.86 | 14.5  | 26.40 | 21.17 | 18.27 | 15.2  |
| 7500 | MBh     | 233.1                       | 236.3 | 243.2 | 253.7 | 231.0 | 234.3 | 241.1 | 251.6 | 225.0 | 228.3 | 235.1 | 245.6 | 214.7 | 217.9 | 224.8 | 235.3 | 202.1 | 205.3 | 212.2 | 222.7 | 190.5 | 193.8 | 200.7 | 211.1 |
|      | S/T     | 0.77                        | 0.70  | 0.57  | 0.43  | 0.78  | 0.70  | 0.57  | 0.43  | 1.00  | 0.73  | 0.60  | 0.46  | 1.00  | 0.75  | 0.62  | 0.48  | 1.00  | 0.77  | 0.64  | 0.50  | 1.00  | 0.82  | 0.69  | 0.55  |
|      | ΔT      | 23.35                       | 21.41 | 17.88 | 14.1  | 23.33 | 21.41 | 17.92 | 14.2  | 29.22 | 21.58 | 18.21 | 14.6  | 27.88 | 21.14 | 17.96 | 14.6  | 26.24 | 20.49 | 17.55 | 14.4  | 24.75 | 20.59 | 17.89 | 15.0  |
| 8000 | MBh     | 235.1                       | 238.3 | 245.2 | 255.7 | 233.0 | 236.3 | 243.1 | 253.6 | 227.0 | 230.3 | 237.1 | 247.6 | 216.7 | 219.9 | 226.8 | 237.3 | 204.1 | 207.3 | 214.2 | 224.7 | 192.5 | 195.8 | 202.6 | 213.1 |
|      | S/T     | 0.79                        | 0.72  | 0.59  | 0.45  | 0.80  | 0.73  | 0.59  | 0.46  | 1.00  | 0.75  | 0.62  | 0.48  | 1.00  | 0.77  | 0.64  | 0.50  | 1.00  | 0.79  | 0.66  | 0.52  | 1.00  | 1.00  | 0.71  | 0.57  |
|      | ΔT      | 22.60                       | 20.78 | 17.47 | 13.9  | 22.57 | 20.77 | 17.50 | 14.0  | 27.52 | 20.92 | 17.76 | 14.4  | 26.26 | 20.49 | 17.51 | 14.3  | 24.73 | 19.85 | 17.09 | 14.2  | 23.34 | 23.73 | 17.40 | 14.7  |

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

Shaded area reflects ACCA (TVA) conditions

IDB: Entering Indoor Dry Bulb Temperature

|      |         | Outdoor Ambient Temperature          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------|---------|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|      |         | 65                                   |       |       |       | 75    |       |       |       | 85    |       |       |       | 95    |       |       |       | 105   |       |       |       | 115   |       |       |       |
| IDB  | Airflow | Entering Indoor Wet Bulb Temperature |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|      |         | 59                                   | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    | 59    | 63    | 67    | 71    |
| 6000 | MBh     | 230.9                                | 234.1 | 241.0 | 251.5 | 228.8 | 232.1 | 238.9 | 249.4 | 222.8 | 226.0 | 232.9 | 243.4 | 212.5 | 215.7 | 222.6 | 233.1 | 199.8 | 203.1 | 210.0 | 220.5 | 188.3 | 191.6 | 198.4 | 208.9 |
|      | S/T     | 0.82                                 | 0.75  | 0.62  | 0.48  | 1.00  | 0.76  | 0.62  | 0.49  | 1.00  | 0.78  | 0.65  | 0.51  | 1.00  | 0.80  | 0.67  | 0.53  | 1.00  | 1.00  | 0.69  | 0.55  | 1.00  | 1.00  | 0.74  | 0.60  |
|      | ΔT      | 28.83                                | 26.62 | 22.59 | 18.3  | 34.67 | 26.60 | 22.62 | 18.4  | 33.76 | 26.74 | 22.91 | 18.8  | 32.19 | 26.14 | 22.53 | 18.7  | 30.28 | 30.77 | 21.94 | 18.4  | 28.53 | 29.03 | 22.23 | 19.0  |
| 6500 | MBh     | 232.5                                | 235.7 | 242.6 | 253.1 | 230.4 | 233.7 | 240.5 | 251.0 | 224.4 | 227.7 | 234.5 | 245.0 | 214.1 | 217.3 | 224.2 | 234.7 | 201.5 | 204.7 | 211.6 | 222.1 | 189.9 | 193.2 | 200.1 | 210.5 |
|      | S/T     | 0.86                                 | 0.79  | 0.66  | 0.52  | 1.00  | 0.80  | 0.66  | 0.53  | 1.00  | 0.82  | 0.69  | 0.55  | 1.00  | 0.84  | 0.71  | 0.57  | 1.00  | 1.00  | 0.73  | 0.59  | 1.00  | 1.00  | 0.78  | 0.64  |
|      | ΔT      | 28.07                                | 26.03 | 22.32 | 18.4  | 32.23 | 26.00 | 22.34 | 18.4  | 31.39 | 26.10 | 22.58 | 18.8  | 29.94 | 25.49 | 22.17 | 18.7  | 28.18 | 28.63 | 21.56 | 18.3  | 26.57 | 27.02 | 21.78 | 18.8  |
| 80   | MBh     | 234.3                                | 237.5 | 244.4 | 254.9 | 232.2 | 235.5 | 242.3 | 252.8 | 226.2 | 229.5 | 236.3 | 246.8 | 215.9 | 219.1 | 226.0 | 236.5 | 203.3 | 206.5 | 213.4 | 223.9 | 191.7 | 195.0 | 201.8 | 212.3 |
|      | S/T     | 1.00                                 | 0.82  | 0.69  | 0.55  | 1.00  | 0.83  | 0.69  | 0.56  | 1.00  | 0.85  | 0.72  | 0.58  | 1.00  | 0.87  | 0.74  | 0.60  | 1.00  | 1.00  | 0.76  | 0.62  | 1.00  | 1.00  | 0.81  | 0.67  |
|      | ΔT      | 30.43                                | 25.27 | 21.83 | 18.2  | 30.16 | 25.24 | 21.84 | 18.2  | 29.38 | 25.32 | 22.04 | 18.6  | 28.04 | 24.72 | 21.63 | 18.4  | 26.40 | 26.82 | 21.02 | 18.0  | 24.90 | 25.32 | 21.19 | 18.5  |
| 7500 | MBh     | 236.3                                | 239.5 | 246.4 | 256.9 | 234.2 | 237.5 | 244.3 | 254.8 | 228.2 | 231.5 | 238.3 | 248.8 | 217.9 | 221.1 | 228.0 | 238.5 | 205.2 | 208.5 | 215.4 | 225.9 | 193.7 | 197.0 | 203.8 | 214.3 |
|      | S/T     | 1.00                                 | 0.84  | 0.71  | 0.57  | 1.00  | 0.85  | 0.72  | 0.58  | 1.00  | 0.87  | 0.74  | 0.60  | 1.00  | 0.89  | 0.76  | 0.62  | 1.00  | 1.00  | 0.78  | 0.64  | 1.00  | 1.00  | 0.83  | 0.69  |
|      | ΔT      | 28.64                                | 24.41 | 21.19 | 17.8  | 28.39 | 24.38 | 21.19 | 17.8  | 27.66 | 24.44 | 21.37 | 18.1  | 26.41 | 23.86 | 20.97 | 17.9  | 24.88 | 25.27 | 20.36 | 17.6  | 23.48 | 23.88 | 20.51 | 18.0  |
| 8000 | MBh     | 238.5                                | 241.7 | 248.6 | 259.1 | 236.4 | 239.7 | 246.5 | 257.0 | 230.4 | 233.7 | 240.5 | 251.0 | 220.1 | 223.3 | 230.2 | 240.7 | 207.5 | 210.7 | 217.6 | 228.1 | 195.9 | 199.2 | 206.1 | 216.5 |
|      | S/T     | 1.00                                 | 0.86  | 0.72  | 0.58  | 1.00  | 0.86  | 0.73  | 0.59  | 1.00  | 0.89  | 0.75  | 0.62  | 1.00  | 1.00  | 0.77  | 0.63  | 1.00  | 1.00  | 0.79  | 0.66  | 1.00  | 1.00  | 0.84  | 0.71  |
|      | ΔT      | 27.10                                | 23.49 | 20.44 | 17.2  | 26.87 | 23.45 | 20.44 | 17.3  | 26.18 | 23.51 | 20.61 | 17.5  | 25.01 | 25.38 | 20.21 | 17.3  | 23.58 | 23.94 | 19.64 | 17.0  | 22.27 | 22.63 | 19.77 | 17.4  |
|      | MBh     | 234.7                                | 238.0 | 244.9 | 255.3 | 232.7 | 235.9 | 242.8 | 253.3 | 226.7 | 229.9 | 236.8 | 247.3 | 216.3 | 219.6 | 226.5 | 237.0 | 203.7 | 207.0 | 213.8 | 224.3 | 192.2 | 195.4 | 202.3 | 212.8 |
|      | S/T     | 1.00                                 | 0.85  | 0.72  | 0.58  | 1.00  | 0.85  | 0.72  | 0.58  | 1.00  | 1.00  | 0.75  | 0.61  | 1.00  | 1.00  | 0.77  | 0.63  | 1.00  | 1.00  | 0.79  | 0.65  | 1.00  | 1.00  | 0.84  | 0.70  |
|      | ΔT      | 35.57                                | 30.60 | 26.60 | 22.4  | 35.25 | 30.55 | 26.60 | 22.4  | 34.34 | 34.84 | 26.82 | 22.8  | 32.78 | 33.27 | 26.30 | 22.5  | 30.87 | 31.36 | 25.52 | 22.1  | 29.12 | 29.61 | 25.68 | 22.5  |
|      | MBh     | 236.4                                | 239.6 | 246.5 | 257.0 | 234.3 | 237.5 | 244.4 | 254.9 | 228.3 | 231.5 | 238.4 | 248.9 | 218.0 | 221.2 | 228.1 | 238.6 | 205.3 | 208.6 | 215.5 | 225.9 | 193.8 | 197.1 | 203.9 | 214.4 |
|      | S/T     | 1.00                                 | 0.89  | 0.76  | 0.62  | 1.00  | 0.89  | 0.76  | 0.62  | 1.00  | 1.00  | 0.79  | 0.65  | 1.00  | 1.00  | 0.81  | 0.67  | 1.00  | 1.00  | 0.83  | 0.69  | 1.00  | 1.00  | 1.00  | 0.74  |
|      | ΔT      | 33.06                                | 29.75 | 26.07 | 22.2  | 32.77 | 29.70 | 26.06 | 22.2  | 31.93 | 32.38 | 26.23 | 22.6  | 30.48 | 30.94 | 25.69 | 22.2  | 28.72 | 29.17 | 24.92 | 21.7  | 27.11 | 27.56 | 28.52 | 22.1  |
| 85   | MBh     | 238.1                                | 241.4 | 248.3 | 258.8 | 236.1 | 239.3 | 246.2 | 256.7 | 230.1 | 233.3 | 240.2 | 250.7 | 219.8 | 223.0 | 229.9 | 240.4 | 207.1 | 210.4 | 217.2 | 227.7 | 195.6 | 198.9 | 205.7 | 216.2 |
|      | S/T     | 1.00                                 | 0.92  | 0.79  | 0.65  | 1.00  | 0.92  | 0.79  | 0.65  | 1.00  | 1.00  | 0.82  | 0.68  | 1.00  | 1.00  | 0.84  | 0.70  | 1.00  | 1.00  | 0.86  | 0.72  | 1.00  | 1.00  | 1.00  | 0.77  |
|      | ΔT      | 30.93                                | 28.77 | 25.34 | 21.8  | 30.66 | 28.71 | 25.33 | 21.8  | 29.88 | 30.30 | 25.47 | 22.1  | 28.54 | 28.96 | 24.94 | 21.7  | 26.90 | 27.32 | 24.17 | 21.2  | 25.40 | 25.83 | 26.72 | 21.6  |
|      | MBh     | 240.1                                | 243.4 | 250.3 | 260.7 | 238.1 | 241.3 | 248.2 | 258.7 | 232.1 | 235.3 | 242.2 | 252.7 | 221.7 | 225.0 | 231.9 | 242.4 | 209.1 | 212.4 | 219.2 | 229.7 | 197.6 | 200.8 | 207.7 | 218.2 |
|      | S/T     | 1.00                                 | 0.94  | 0.81  | 0.67  | 1.00  | 0.95  | 0.81  | 0.68  | 1.00  | 1.00  | 0.84  | 0.70  | 1.00  | 1.00  | 0.86  | 0.72  | 1.00  | 1.00  | 0.88  | 0.74  | 1.00  | 1.00  | 1.00  | 0.79  |
|      | ΔT      | 29.11                                | 27.71 | 24.50 | 21.1  | 28.86 | 27.65 | 24.48 | 21.2  | 28.13 | 28.52 | 24.60 | 21.4  | 26.88 | 27.27 | 24.08 | 21.1  | 25.35 | 25.74 | 23.34 | 20.6  | 23.95 | 24.34 | 25.18 | 20.9  |
|      | MBh     | 242.4                                | 245.6 | 252.5 | 263.0 | 240.3 | 243.5 | 250.4 | 260.9 | 234.3 | 237.5 | 244.4 | 254.9 | 224.0 | 227.2 | 234.1 | 244.6 | 211.3 | 214.6 | 221.5 | 231.9 | 199.8 | 203.1 | 209.9 | 220.4 |
|      | S/T     | 1.00                                 | 0.95  | 0.82  | 0.68  | 1.00  | 0.96  | 0.83  | 0.69  | 1.00  | 1.00  | 0.85  | 0.71  | 1.00  | 1.00  | 0.87  | 0.73  | 1.00  | 1.00  | 0.89  | 0.75  | 1.00  | 1.00  | 1.00  | 0.80  |
|      | ΔT      | 27.54                                | 26.61 | 23.58 | 20.4  | 27.31 | 26.55 | 23.56 | 20.4  | 26.62 | 26.99 | 23.67 | 20.7  | 25.45 | 25.82 | 23.17 | 20.4  | 24.02 | 24.38 | 22.46 | 19.9  | 22.71 | 23.07 | 23.86 | 20.1  |

IDB: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

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

| DSC180W HIGH STATC |        |         |       |       |       |       |
|--------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP          | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T1                 | 0.2    | 6291    | 710   | 773   | 0.79  | 0.86  |
|                    | 0.4    | 5939    | 752   | 812   | 0.84  | 0.91  |
|                    | 0.6    | 5575    | 796   | 853   | 0.89  | 0.95  |
|                    | 0.8    | 5202    | 843   | 897   | 0.94  | 1.00  |
|                    | 1      | 4822    | 891   | 942   | 0.99  | 1.05  |
|                    | 1.2    | 4440    | 939   | 987   | 1.05  | 1.10  |
|                    | 1.4    | 4059    | 988   | 1033  | 1.10  | 1.15  |
|                    | 1.6    | 3682    | 1037  | 1078  | 1.16  | 1.20  |
|                    | 1.8    | 3314    | 1084  | 1122  | 1.21  | 1.25  |
|                    | 2      | 2958    | 1129  | 1164  | 1.26  | 1.30  |
| T2                 | 2.2    | 2615    | 1172  | 1203  | 1.31  | 1.34  |
|                    | 0.2    | 10551   | 859   | 895   | 2.15  | 2.24  |
|                    | 0.4    | 10212   | 908   | 940   | 2.27  | 2.35  |
|                    | 0.6    | 9868    | 957   | 985   | 2.39  | 2.46  |
|                    | 0.8    | 9523    | 1006  | 1030  | 2.52  | 2.58  |
|                    | 1      | 9180    | 1054  | 1075  | 2.64  | 2.69  |
|                    | 1.2    | 8844    | 1101  | 1118  | 2.75  | 2.80  |
|                    | 1.4    | 8516    | 1146  | 1159  | 2.87  | 2.90  |
|                    | 1.6    | 8200    | 1188  | 1198  | 2.97  | 3.00  |
|                    | 1.8    | 7897    | 1228  | 1234  | 3.07  | 3.09  |
| T3                 | 2      | 7607    | 1264  | 1268  | 3.16  | 3.17  |
|                    | 2.2    | 7332    | 1297  | 1298  | 3.24  | 3.24  |
|                    | 0.2    | 10997   | 878   | 909   | 2.33  | 2.41  |
|                    | 0.4    | 10659   | 926   | 954   | 2.46  | 2.53  |
|                    | 0.6    | 10318   | 976   | 1000  | 2.59  | 2.65  |
|                    | 0.8    | 9977    | 1024  | 1045  | 2.72  | 2.77  |
|                    | 1      | 9639    | 1072  | 1089  | 2.85  | 2.89  |
|                    | 1.2    | 9308    | 1119  | 1132  | 2.97  | 3.00  |
|                    | 1.4    | 8987    | 1162  | 1172  | 3.09  | 3.11  |
|                    | 1.6    | 8676    | 1204  | 1210  | 3.19  | 3.21  |
| T4                 | 1.8    | 8379    | 1242  | 1245  | 3.30  | 3.30  |
|                    | 2      | 8096    | 1277  | 1277  | 3.39  | 3.39  |
|                    | 2.2    | 7827    | 1309  | 1306  | 3.47  | 3.47  |
|                    | 0.2    | 8846    | 795   | 843   | 1.54  | 1.63  |
|                    | 0.4    | 8498    | 841   | 886   | 1.63  | 1.72  |
|                    | 0.6    | 8143    | 889   | 931   | 1.72  | 1.80  |
|                    | 0.8    | 7783    | 938   | 976   | 1.82  | 1.89  |
|                    | 1      | 7423    | 987   | 1022  | 1.91  | 1.98  |
|                    | 1.2    | 7066    | 1036  | 1067  | 2.01  | 2.07  |
|                    | 1.4    | 6715    | 1084  | 1110  | 2.10  | 2.15  |
|                    | 1.6    | 6375    | 1129  | 1152  | 2.19  | 2.23  |
|                    | 1.8    | 6046    | 1172  | 1192  | 2.27  | 2.31  |
|                    | 2      | 5731    | 1213  | 1229  | 2.35  | 2.38  |
|                    | 2.2    | 5431    | 1250  | 1263  | 2.42  | 2.45  |

| DSC180W HIGH STATC |        |         |       |       |       |       |
|--------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP          | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T5                 | 0.2    | 9398    | 815   | 860   | 1.72  | 1.82  |
|                    | 0.4    | 9052    | 862   | 903   | 1.82  | 1.91  |
|                    | 0.6    | 8700    | 911   | 948   | 1.93  | 2.01  |
|                    | 0.8    | 8345    | 960   | 994   | 2.03  | 2.10  |
|                    | 1      | 7991    | 1009  | 1039  | 2.13  | 2.20  |
|                    | 1.2    | 7641    | 1057  | 1083  | 2.24  | 2.29  |
|                    | 1.4    | 7298    | 1104  | 1126  | 2.34  | 2.38  |
|                    | 1.6    | 6965    | 1148  | 1168  | 2.43  | 2.47  |
|                    | 1.8    | 6645    | 1191  | 1206  | 2.52  | 2.55  |
|                    | 2      | 6338    | 1230  | 1242  | 2.60  | 2.63  |
| T6                 | 2.2    | 6047    | 1266  | 1275  | 2.68  | 2.70  |
|                    | 0.2    | 8846    | 795   | 843   | 1.54  | 1.63  |
|                    | 0.4    | 8498    | 841   | 886   | 1.63  | 1.72  |
|                    | 0.6    | 8143    | 889   | 931   | 1.72  | 1.80  |
|                    | 0.8    | 7783    | 938   | 976   | 1.82  | 1.89  |
|                    | 1      | 7423    | 987   | 1022  | 1.91  | 1.98  |
|                    | 1.2    | 7066    | 1036  | 1067  | 2.01  | 2.07  |
|                    | 1.4    | 6715    | 1084  | 1110  | 2.10  | 2.15  |
|                    | 1.6    | 6375    | 1129  | 1152  | 2.19  | 2.23  |
|                    | 1.8    | 6046    | 1172  | 1192  | 2.27  | 2.31  |
| T7                 | 2      | 5731    | 1213  | 1229  | 2.35  | 2.38  |
|                    | 2.2    | 5431    | 1250  | 1263  | 2.42  | 2.45  |
|                    | 0.2    | 9083    | 803   | 850   | 1.62  | 1.71  |
|                    | 0.4    | 8736    | 850   | 894   | 1.71  | 1.80  |
|                    | 0.6    | 8382    | 898   | 938   | 1.81  | 1.89  |
|                    | 0.8    | 8025    | 947   | 984   | 1.91  | 1.98  |
|                    | 1      | 7667    | 997   | 1029  | 2.01  | 2.07  |
|                    | 1.2    | 7313    | 1045  | 1074  | 2.10  | 2.16  |
|                    | 1.4    | 6966    | 1092  | 1117  | 2.20  | 2.25  |
|                    | 1.6    | 6628    | 1137  | 1159  | 2.29  | 2.33  |
| T8                 | 1.8    | 6303    | 1180  | 1198  | 2.38  | 2.41  |
|                    | 2      | 5992    | 1220  | 1235  | 2.46  | 2.49  |
|                    | 2.2    | 5696    | 1257  | 1268  | 2.53  | 2.55  |
|                    | 0.2    | 9554    | 821   | 864   | 1.78  | 1.87  |
|                    | 0.4    | 9209    | 868   | 908   | 1.88  | 1.97  |
|                    | 0.6    | 8859    | 917   | 953   | 1.99  | 2.07  |
|                    | 0.8    | 8505    | 966   | 999   | 2.09  | 2.16  |
|                    | 1      | 8152    | 1015  | 1044  | 2.20  | 2.26  |
|                    | 1.2    | 7804    | 1063  | 1088  | 2.30  | 2.36  |
|                    | 1.4    | 7463    | 1110  | 1131  | 2.40  | 2.45  |
|                    | 1.6    | 7132    | 1154  | 1172  | 2.50  | 2.54  |
|                    | 1.8    | 6814    | 1196  | 1210  | 2.59  | 2.62  |
|                    | 2      | 6511    | 1234  | 1245  | 2.68  | 2.70  |
|                    | 2.2    | 6221    | 1270  | 1278  | 2.75  | 2.77  |

Shaded speed tap- Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

| DSC180W HIGH STATC |        |         |       |       |       |       |
|--------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP          | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T9                 | 0.2    | 8846    | 795   | 843   | 1.54  | 1.63  |
|                    | 0.4    | 8498    | 841   | 886   | 1.63  | 1.72  |
|                    | 0.6    | 8143    | 889   | 931   | 1.72  | 1.80  |
|                    | 0.8    | 7783    | 938   | 976   | 1.82  | 1.89  |
|                    | 1      | 7423    | 987   | 1022  | 1.91  | 1.98  |
|                    | 1.2    | 7066    | 1036  | 1067  | 2.01  | 2.07  |
|                    | 1.4    | 6715    | 1084  | 1110  | 2.10  | 2.15  |
|                    | 1.6    | 6375    | 1129  | 1152  | 2.19  | 2.23  |
|                    | 1.8    | 6046    | 1172  | 1192  | 2.27  | 2.31  |
|                    | 2      | 5731    | 1213  | 1229  | 2.35  | 2.38  |
| T10                | 2.2    | 5431    | 1250  | 1263  | 2.42  | 2.45  |
|                    | 0.2    | 9398    | 815   | 860   | 1.72  | 1.82  |
|                    | 0.4    | 9052    | 862   | 903   | 1.82  | 1.91  |
|                    | 0.6    | 8700    | 911   | 948   | 1.93  | 2.01  |
|                    | 0.8    | 8345    | 960   | 994   | 2.03  | 2.10  |
|                    | 1      | 7991    | 1009  | 1039  | 2.13  | 2.20  |
|                    | 1.2    | 7641    | 1057  | 1083  | 2.24  | 2.29  |
|                    | 1.4    | 7298    | 1104  | 1126  | 2.34  | 2.38  |
|                    | 1.6    | 6965    | 1148  | 1168  | 2.43  | 2.47  |
|                    | 1.8    | 6645    | 1191  | 1206  | 2.52  | 2.55  |
|                    | 2      | 6338    | 1230  | 1242  | 2.60  | 2.63  |
|                    | 2.2    | 6047    | 1266  | 1275  | 2.68  | 2.70  |

Shaded speed tap- Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

| DSC240W - HIGH STATIC |        |         |       |       |       |       |
|-----------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP             | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T1                    | 0.2    | 5972    | 701   | 764   | 0.71  | 0.77  |
|                       | 0.4    | 5621    | 742   | 803   | 0.75  | 0.81  |
|                       | 0.6    | 5257    | 785   | 844   | 0.80  | 0.86  |
|                       | 0.8    | 4884    | 831   | 887   | 0.84  | 0.90  |
|                       | 1      | 4503    | 879   | 931   | 0.89  | 0.94  |
|                       | 1.2    | 4119    | 927   | 977   | 0.94  | 0.99  |
|                       | 1.4    | 3736    | 976   | 1023  | 0.99  | 1.04  |
|                       | 1.6    | 3356    | 1025  | 1068  | 1.04  | 1.08  |
|                       | 1.8    | 2984    | 1072  | 1112  | 1.09  | 1.13  |
|                       | 2      | 2622    | 1118  | 1155  | 1.13  | 1.17  |
| T2                    | 2.2    | 2275    | 1162  | 1195  | 1.18  | 1.21  |
|                       | 0.2    | 10096   | 841   | 881   | 1.97  | 2.07  |
|                       | 0.4    | 9754    | 889   | 925   | 2.09  | 2.17  |
|                       | 0.6    | 9407    | 938   | 970   | 2.20  | 2.28  |
|                       | 0.8    | 9058    | 988   | 1016  | 2.32  | 2.38  |
|                       | 1      | 8711    | 1036  | 1061  | 2.43  | 2.49  |
|                       | 1.2    | 8369    | 1084  | 1104  | 2.54  | 2.59  |
|                       | 1.4    | 8035    | 1129  | 1146  | 2.65  | 2.69  |
|                       | 1.6    | 7713    | 1173  | 1186  | 2.75  | 2.78  |
|                       | 1.8    | 7403    | 1213  | 1223  | 2.85  | 2.87  |
| T3                    | 2      | 7107    | 1251  | 1258  | 2.93  | 2.95  |
|                       | 2.2    | 6825    | 1285  | 1289  | 3.02  | 3.02  |
|                       | 0.2    | 11430   | 896   | 924   | 2.52  | 2.59  |
|                       | 0.4    | 11095   | 945   | 969   | 2.65  | 2.72  |
|                       | 0.6    | 10756   | 994   | 1015  | 2.79  | 2.85  |
|                       | 0.8    | 10419   | 1043  | 1059  | 2.93  | 2.97  |
|                       | 1      | 10085   | 1090  | 1103  | 3.06  | 3.10  |
|                       | 1.2    | 9760    | 1135  | 1145  | 3.19  | 3.22  |
|                       | 1.4    | 9444    | 1178  | 1185  | 3.31  | 3.33  |
|                       | 1.6    | 9140    | 1219  | 1222  | 3.42  | 3.43  |
| T4                    | 1.8    | 8849    | 1256  | 1256  | 3.53  | 3.53  |
|                       | 2      | 8572    | 1290  | 1287  | 3.62  | 3.61  |
|                       | 2.2    | 8308    | 1320  | 1315  | 3.71  | 3.69  |
|                       | 0.2    | 10701   | 865   | 900   | 2.21  | 2.30  |
|                       | 0.4    | 10362   | 914   | 945   | 2.33  | 2.41  |
|                       | 0.6    | 10019   | 963   | 990   | 2.46  | 2.53  |
|                       | 0.8    | 9675    | 1012  | 1035  | 2.58  | 2.64  |
|                       | 1      | 9335    | 1060  | 1080  | 2.71  | 2.75  |
|                       | 1.2    | 9000    | 1107  | 1123  | 2.82  | 2.86  |
|                       | 1.4    | 8674    | 1152  | 1164  | 2.94  | 2.97  |
|                       | 1.6    | 8360    | 1194  | 1202  | 3.05  | 3.07  |
|                       | 1.8    | 8059    | 1233  | 1238  | 3.14  | 3.16  |
|                       | 2      | 7771    | 1269  | 1271  | 3.24  | 3.24  |
|                       | 2.2    | 7498    | 1301  | 1301  | 3.32  | 3.32  |

| DSC240W - HIGH STATIC |        |         |       |       |       |       |
|-----------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP             | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T5                    | 0.2    | 11157   | 884   | 915   | 2.40  | 2.48  |
|                       | 0.4    | 10820   | 933   | 960   | 2.53  | 2.60  |
|                       | 0.6    | 10480   | 982   | 1005  | 2.66  | 2.72  |
|                       | 0.8    | 10140   | 1031  | 1050  | 2.79  | 2.85  |
|                       | 1      | 9804    | 1079  | 1094  | 2.92  | 2.97  |
|                       | 1.2    | 9475    | 1125  | 1137  | 3.05  | 3.08  |
|                       | 1.4    | 9156    | 1168  | 1177  | 3.17  | 3.19  |
|                       | 1.6    | 8848    | 1209  | 1214  | 3.28  | 3.29  |
|                       | 1.8    | 8553    | 1247  | 1249  | 3.38  | 3.39  |
|                       | 2      | 8272    | 1282  | 1281  | 3.47  | 3.47  |
| T6                    | 2.2    | 8005    | 1313  | 1310  | 3.56  | 3.55  |
|                       | 0.2    | 9398    | 815   | 860   | 1.72  | 1.82  |
|                       | 0.4    | 9052    | 862   | 903   | 1.82  | 1.91  |
|                       | 0.6    | 8700    | 911   | 948   | 1.93  | 2.01  |
|                       | 0.8    | 8345    | 960   | 994   | 2.03  | 2.10  |
|                       | 1      | 7991    | 1009  | 1039  | 2.13  | 2.20  |
|                       | 1.2    | 7641    | 1057  | 1083  | 2.24  | 2.29  |
|                       | 1.4    | 7298    | 1104  | 1126  | 2.34  | 2.38  |
|                       | 1.6    | 6965    | 1148  | 1168  | 2.43  | 2.47  |
|                       | 1.8    | 6645    | 1191  | 1206  | 2.52  | 2.55  |
| T7                    | 2      | 6338    | 1230  | 1242  | 2.60  | 2.63  |
|                       | 2.2    | 6047    | 1266  | 1275  | 2.68  | 2.70  |
|                       | 0.2    | 9787    | 829   | 871   | 1.86  | 1.96  |
|                       | 0.4    | 9444    | 877   | 915   | 1.97  | 2.05  |
|                       | 0.6    | 9095    | 926   | 960   | 2.08  | 2.16  |
|                       | 0.8    | 8743    | 975   | 1006  | 2.19  | 2.26  |
|                       | 1      | 8393    | 1024  | 1051  | 2.30  | 2.36  |
|                       | 1.2    | 8047    | 1072  | 1095  | 2.41  | 2.46  |
|                       | 1.4    | 7710    | 1118  | 1138  | 2.51  | 2.55  |
|                       | 1.6    | 7382    | 1162  | 1178  | 2.61  | 2.64  |
| T8                    | 1.8    | 7068    | 1203  | 1216  | 2.70  | 2.73  |
|                       | 2      | 6767    | 1242  | 1251  | 2.79  | 2.81  |
|                       | 2.2    | 6482    | 1277  | 1283  | 2.87  | 2.88  |
|                       | 0.2    | 10188   | 845   | 884   | 2.01  | 2.10  |
|                       | 0.4    | 9846    | 893   | 928   | 2.12  | 2.21  |
|                       | 0.6    | 9500    | 942   | 973   | 2.24  | 2.31  |
|                       | 0.8    | 9151    | 991   | 1019  | 2.36  | 2.42  |
|                       | 1      | 8805    | 1040  | 1064  | 2.47  | 2.53  |
|                       | 1.2    | 8465    | 1087  | 1107  | 2.59  | 2.63  |
|                       | 1.4    | 8132    | 1133  | 1149  | 2.69  | 2.73  |
| T8                    | 1.6    | 7811    | 1176  | 1189  | 2.80  | 2.83  |
|                       | 1.8    | 7502    | 1216  | 1226  | 2.89  | 2.91  |
|                       | 2      | 7207    | 1253  | 1260  | 2.98  | 2.99  |
|                       | 2.2    | 6927    | 1287  | 1291  | 3.06  | 3.07  |

Shaded speed tap- Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only

| DSC240W - HIGH STATIC |        |         |       |       |       |       |
|-----------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP             | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T9                    | 0.2    | 10701   | 865   | 900   | 2.21  | 2.30  |
|                       | 0.4    | 10362   | 914   | 945   | 2.33  | 2.41  |
|                       | 0.6    | 10019   | 963   | 990   | 2.46  | 2.53  |
|                       | 0.8    | 9675    | 1012  | 1035  | 2.58  | 2.64  |
|                       | 1      | 9335    | 1060  | 1080  | 2.71  | 2.75  |
|                       | 1.2    | 9000    | 1107  | 1123  | 2.82  | 2.86  |
|                       | 1.4    | 8674    | 1152  | 1164  | 2.94  | 2.97  |
|                       | 1.6    | 8360    | 1194  | 1202  | 3.05  | 3.07  |
|                       | 1.8    | 8059    | 1233  | 1238  | 3.14  | 3.16  |
|                       | 2      | 7771    | 1269  | 1271  | 3.24  | 3.24  |
| T10                   | 2.2    | 7498    | 1301  | 1301  | 3.32  | 3.32  |
|                       | 0.2    | 11157   | 884   | 915   | 2.40  | 2.48  |
|                       | 0.4    | 10820   | 933   | 960   | 2.53  | 2.60  |
|                       | 0.6    | 10480   | 982   | 1005  | 2.66  | 2.72  |
|                       | 0.8    | 10140   | 1031  | 1050  | 2.79  | 2.85  |
|                       | 1      | 9804    | 1079  | 1094  | 2.92  | 2.97  |
|                       | 1.2    | 9475    | 1125  | 1137  | 3.05  | 3.08  |
|                       | 1.4    | 9156    | 1168  | 1177  | 3.17  | 3.19  |
|                       | 1.6    | 8848    | 1209  | 1214  | 3.28  | 3.29  |
|                       | 1.8    | 8553    | 1247  | 1249  | 3.38  | 3.39  |
|                       | 2      | 8272    | 1282  | 1281  | 3.47  | 3.47  |
|                       | 2.2    | 8005    | 1313  | 1310  | 3.56  | 3.55  |

Shaded speed tap- Airflow for supplemental heat.

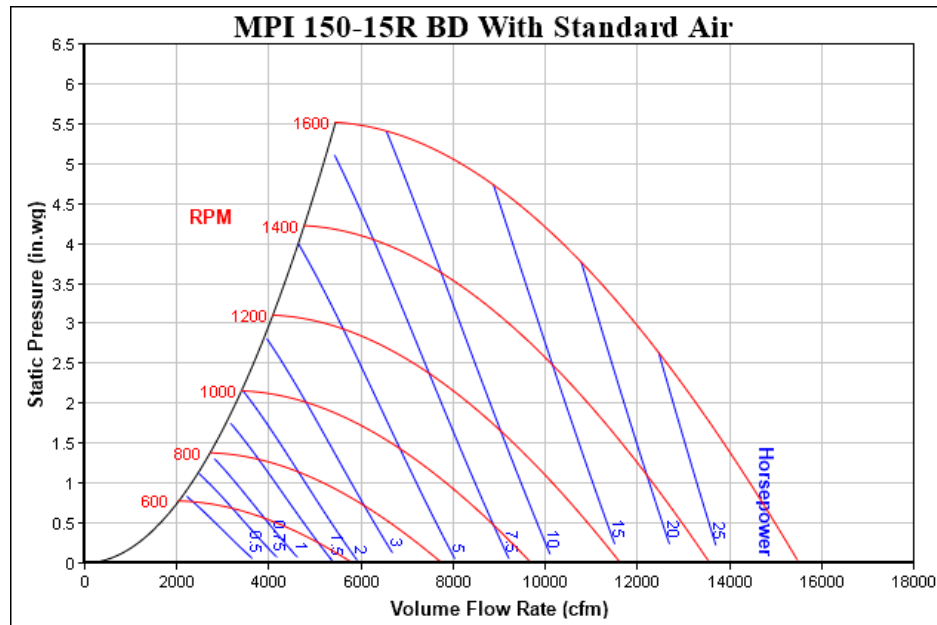
\*\* (T1) and (T2) are part load only

| DSC1803D STANDARD STATIC |        |         |       |       |       |       |
|--------------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP                | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T1                       | 0.2    | 4869    | 602   | 628   | 0.41  | 0.43  |
|                          | 0.4    | 4552    | 635   | 666   | 0.44  | 0.46  |
|                          | 0.6    | 4164    | 673   | 710   | 0.46  | 0.49  |
|                          | 0.8    | 3709    | 717   | 760   | 0.49  | 0.52  |
|                          | 1      | 3192    | 766   | 817   | 0.53  | 0.56  |
|                          | 1.2    | 2625    | 820   | 878   | 0.56  | 0.60  |
| T2                       | 0.2    | 7669    | 703   | 777   | 1.17  | 1.30  |
|                          | 0.4    | 7217    | 755   | 837   | 1.26  | 1.40  |
|                          | 0.6    | 6745    | 808   | 898   | 1.35  | 1.50  |
|                          | 0.8    | 6266    | 862   | 958   | 1.44  | 1.60  |
|                          | 1      | 5793    | 915   | 1018  | 1.53  | 1.70  |
|                          | 1.2    | 5338    | 967   | 1075  | 1.62  | 1.80  |
| T3                       | 0.2    | 7503    | 697   | 769   | 1.07  | 1.18  |
|                          | 0.4    | 7054    | 749   | 828   | 1.15  | 1.27  |
|                          | 0.6    | 6581    | 802   | 889   | 1.23  | 1.36  |
|                          | 0.8    | 6097    | 856   | 951   | 1.31  | 1.46  |
|                          | 1      | 5618    | 910   | 1011  | 1.39  | 1.55  |
|                          | 1.2    | 5156    | 963   | 1069  | 1.47  | 1.64  |
| T4                       | 0.2    | 7867    | 710   | 787   | 1.23  | 1.36  |
|                          | 0.4    | 7414    | 762   | 847   | 1.32  | 1.46  |
|                          | 0.6    | 6943    | 815   | 907   | 1.41  | 1.57  |
|                          | 0.8    | 6468    | 868   | 967   | 1.50  | 1.67  |
|                          | 1      | 6002    | 921   | 1025  | 1.59  | 1.77  |
|                          | 1.2    | 5557    | 972   | 1081  | 1.68  | 1.87  |
| T5                       | 0.2    | 8322    | 727   | 810   | 1.35  | 1.50  |
|                          | 0.4    | 7865    | 778   | 869   | 1.44  | 1.61  |
|                          | 0.6    | 7399    | 830   | 927   | 1.54  | 1.72  |
|                          | 0.8    | 6934    | 882   | 985   | 1.64  | 1.83  |
|                          | 1      | 6481    | 933   | 1040  | 1.73  | 1.93  |
|                          | 1.2    | 6052    | 982   | 1093  | 1.82  | 2.03  |
| T6                       | 0.2    | 7669    | 703   | 777   | 1.17  | 1.30  |
|                          | 0.4    | 7217    | 755   | 837   | 1.26  | 1.40  |
|                          | 0.6    | 6745    | 808   | 898   | 1.35  | 1.50  |
|                          | 0.8    | 6266    | 862   | 958   | 1.44  | 1.60  |
|                          | 1      | 5793    | 915   | 1018  | 1.53  | 1.70  |
|                          | 1.2    | 5338    | 967   | 1075  | 1.62  | 1.80  |
| T7                       | 0.2    | 7867    | 710   | 787   | 1.23  | 1.36  |
|                          | 0.4    | 7414    | 762   | 847   | 1.32  | 1.46  |
|                          | 0.6    | 6943    | 815   | 907   | 1.41  | 1.57  |
|                          | 0.8    | 6468    | 868   | 967   | 1.50  | 1.67  |
|                          | 1      | 6002    | 921   | 1025  | 1.59  | 1.77  |
|                          | 1.2    | 5557    | 972   | 1081  | 1.68  | 1.87  |
| T8                       | 0.2    | 8226    | 723   | 806   | 1.32  | 1.47  |
|                          | 0.4    | 7770    | 775   | 864   | 1.42  | 1.58  |
|                          | 0.6    | 7302    | 827   | 923   | 1.51  | 1.69  |
|                          | 0.8    | 6835    | 879   | 981   | 1.61  | 1.79  |
|                          | 1      | 6380    | 931   | 1037  | 1.70  | 1.90  |
|                          | 1.2    | 5948    | 980   | 1090  | 1.79  | 1.99  |
| T9                       | 0.2    | 7867    | 710   | 787   | 1.23  | 1.36  |
|                          | 0.4    | 7414    | 762   | 847   | 1.32  | 1.46  |
|                          | 0.6    | 6943    | 815   | 907   | 1.41  | 1.57  |
|                          | 0.8    | 6468    | 868   | 967   | 1.50  | 1.67  |
|                          | 1      | 6002    | 921   | 1025  | 1.59  | 1.77  |
|                          | 1.2    | 5557    | 972   | 1081  | 1.68  | 1.87  |
| T10                      | 0.2    | 8322    | 727   | 810   | 1.35  | 1.50  |
|                          | 0.4    | 7865    | 778   | 869   | 1.44  | 1.61  |
|                          | 0.6    | 7399    | 830   | 927   | 1.54  | 1.72  |
|                          | 0.8    | 6934    | 882   | 985   | 1.64  | 1.83  |
|                          | 1      | 6481    | 933   | 1040  | 1.73  | 1.93  |
|                          | 1.2    | 6052    | 982   | 1093  | 1.82  | 2.03  |

| DSC1803D STANDARD STATIC |        |         |       |       |       |       |
|--------------------------|--------|---------|-------|-------|-------|-------|
| SPEED TAP                | STATIC | AIRFLOW | RPM 1 | RPM 2 | BHP 1 | BHP 2 |
| T1                       | 0.2    | 4869    | 602   | 628   | 0.41  | 0.43  |
|                          | 0.4    | 4552    | 635   | 666   | 0.44  | 0.46  |
|                          | 0.6    | 4164    | 673   | 710   | 0.46  | 0.49  |
|                          | 0.8    | 3709    | 717   | 760   | 0.49  | 0.52  |
|                          | 1      | 3192    | 766   | 817   | 0.53  | 0.56  |
|                          | 1.2    | 2625    | 820   | 878   | 0.56  | 0.60  |
| T2                       | 0.2    | 7253    | 688   | 756   | 1.07  | 1.17  |
|                          | 0.4    | 6809    | 739   | 815   | 1.15  | 1.27  |
|                          | 0.6    | 6335    | 793   | 877   | 1.23  | 1.36  |
|                          | 0.8    | 5846    | 847   | 939   | 1.32  | 1.46  |
|                          | 1      | 5357    | 902   | 1001  | 1.40  | 1.56  |
|                          | 1.2    | 4882    | 956   | 1061  | 1.49  | 1.65  |
| T3                       | 0.2    | 8481    | 732   | 818   | 1.39  | 1.56  |
|                          | 0.4    | 8023    | 784   | 876   | 1.49  | 1.67  |
|                          | 0.6    | 7558    | 835   | 934   | 1.59  | 1.78  |
|                          | 0.8    | 7095    | 887   | 991   | 1.69  | 1.88  |
|                          | 1      | 6647    | 937   | 1045  | 1.78  | 1.99  |
|                          | 1.2    | 6222    | 985   | 1097  | 1.88  | 2.09  |
| T4                       | 0.2    | 9948    | 791   | 894   | 1.91  | 2.16  |
|                          | 0.4    | 9472    | 839   | 945   | 2.03  | 2.28  |
|                          | 0.6    | 8999    | 887   | 994   | 2.14  | 2.40  |
|                          | 0.8    | 8536    | 933   | 1042  | 2.25  | 2.51  |
|                          | 1      | 8093    | 977   | 1087  | 2.36  | 2.62  |
|                          | 1.2    | 7678    | 1019  | 1129  | 2.46  | 2.72  |
| T5                       | 0.2    | 10371   | 817   | 923   | 2.16  | 2.44  |
|                          | 0.4    | 9877    | 863   | 971   | 2.28  | 2.57  |
|                          | 0.6    | 9389    | 909   | 1017  | 2.41  | 2.69  |
|                          | 0.8    | 8915    | 953   | 1062  | 2.52  | 2.81  |
|                          | 1      | 8464    | 995   | 1104  | 2.63  | 2.92  |
|                          | 1.2    | 8044    | 1035  | 1143  | 2.74  | 3.02  |
| T6                       | 0.2    | 8668    | 739   | 828   | 1.45  | 1.62  |
|                          | 0.4    | 8209    | 790   | 885   | 1.55  | 1.73  |
|                          | 0.6    | 7745    | 841   | 942   | 1.65  | 1.85  |
|                          | 0.8    | 7285    | 892   | 997   | 1.75  | 1.95  |
|                          | 1      | 6840    | 942   | 1050  | 1.84  | 2.06  |
|                          | 1.2    | 6420    | 989   | 1101  | 1.94  | 2.16  |
| T7                       | 0.2    | 9223    | 760   | 855   | 1.62  | 1.83  |
|                          | 0.4    | 8761    | 810   | 910   | 1.73  | 1.94  |
|                          | 0.6    | 8297    | 860   | 964   | 1.84  | 2.06  |
|                          | 0.8    | 7842    | 908   | 1016  | 1.94  | 2.17  |
|                          | 1      | 7403    | 956   | 1066  | 2.04  | 2.28  |
|                          | 1.2    | 6989    | 1001  | 1112  | 2.14  | 2.37  |
| T8                       | 0.2    | 9731    | 781   | 882   | 1.81  | 2.05  |
|                          | 0.4    | 9260    | 830   | 934   | 1.92  | 2.17  |
|                          | 0.6    | 8792    | 878   | 985   | 2.04  | 2.29  |
|                          | 0.8    | 8333    | 925   | 1034  | 2.15  | 2.40  |
|                          | 1      | 7893    | 970   | 1080  | 2.25  | 2.51  |
|                          | 1.2    | 7479    | 1013  | 1123  | 2.35  | 2.61  |
| T9                       | 0.2    | 9948    | 791   | 894   | 1.91  | 2.16  |
|                          | 0.4    | 9472    | 839   | 945   | 2.03  | 2.28  |
|                          | 0.6    | 8999    | 887   | 994   | 2.14  | 2.40  |
|                          | 0.8    | 8536    | 933   | 1042  | 2.25  | 2.51  |
|                          | 1      | 8093    | 977   | 1087  | 2.36  | 2.62  |
|                          | 1.2    | 7678    | 1019  | 1129  | 2.46  | 2.72  |
| T10                      | 0.2    | 10371   | 817   | 923   | 2.16  | 2.44  |
|                          | 0.4    | 9877    | 863   | 971   | 2.28  | 2.57  |
|                          | 0.6    | 9389    | 909   | 1017  | 2.41  | 2.69  |
|                          | 0.8    | 8915    | 953   | 1062  | 2.52  | 2.81  |
|                          | 1      | 8464    | 995   | 1104  | 2.63  | 2.92  |
|                          | 1.2    | 8044    | 1035  | 1143  | 2.74  | 3.02  |

Shaded speed tap- Airflow for supplemental heat.

\*\* (T1) and (T2) are part load only



| AIRFLOW PRESSURE DROP OF DOWNFLOW ECONOMIZER FOR 15 TO 25 TON ROOFTOP UNITS (100% RETURN AIR) |      |      |      |      |      |      |      |      |      |      |      |       |
|-----------------------------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|
| SCFM                                                                                          | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 | 7500 | 8000 | 8500 | 9000 | 9500 | 10000 |
| (In WG)                                                                                       | 0.15 | 0.18 | 0.22 | 0.27 | 0.32 | 0.37 | 0.42 | 0.48 | 0.55 | 0.61 | 0.69 | 0.76  |

|       | MERV 8         | MERV 13        | ECONOMIZER     |
|-------|----------------|----------------|----------------|
| SCFM  | STATIC (IN WG) | STATIC (IN WG) | STATIC (IN WG) |
| 3000  | 0.06           | 0.08           | 0.08           |
| 3500  | 0.06           | 0.09           | 0.10           |
| 4000  | 0.07           | 0.11           | 0.12           |
| 4500  | 0.08           | 0.13           | 0.15           |
| 5000  | 0.09           | 0.14           | 0.18           |
| 5500  | 0.11           | 0.16           | 0.22           |
| 6000  | 0.12           | 0.18           | 0.27           |
| 6500  | 0.13           | 0.20           | 0.32           |
| 7000  | 0.14           | 0.22           | 0.37           |
| 7500  | 0.15           | 0.24           | 0.42           |
| 8000  | 0.17           | 0.27           | 0.48           |
| 8500  | 0.18           | 0.29           | 0.55           |
| 9000  | 0.19           | 0.31           | 0.61           |
| 9500  | 0.21           | 0.34           | 0.69           |
| 10000 | 0.22           | 0.36           | 0.76           |

## Heating Data

### DSH180

100 % Capacity

|     | OUTDOOR AMBIENT TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|     | 65                          | 60    | 55    | 50    | 47    | 45    | 40    | 35    | 30    | 25    | 20    | 17    | 15    | 10    | 5     | 0     | -5    |
| MBh | 223.8                       | 209.3 | 195.0 | 181.0 | 172.0 | 165.3 | 148.5 | 132.9 | 120.2 | 110.7 | 103.8 | 100.0 | 95.2  | 83.2  | 71.2  | 59.2  | 47.2  |
| T/R | 28.0                        | 26.2  | 24.4  | 22.6  | 21.5  | 20.7  | 18.6  | 16.6  | 15.0  | 13.9  | 13.0  | 12.5  | 11.9  | 10.4  | 8.9   | 7.4   | 5.9   |
| KW  | 15.87                       | 15.71 | 15.55 | 15.38 | 15.28 | 15.22 | 15.06 | 14.89 | 14.73 | 14.57 | 14.40 | 14.31 | 14.24 | 14.08 | 13.91 | 13.75 | 13.59 |
| COP | 4.13                        | 3.91  | 3.68  | 3.45  | 3.30  | 3.19  | 2.89  | 2.62  | 2.39  | 2.23  | 2.11  | 2.05  | 1.96  | 1.73  | 1.50  | 1.26  | 1.02  |

### DSH240

100 % Capacity

|       | OUTDOOR AMBIENT TEMPERATURE |       |       |       |       |       |       |       |       |       |       |       |       |      |      |      |      |
|-------|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
|       | 65                          | 60    | 55    | 50    | 47    | 45    | 40    | 35    | 30    | 25    | 20    | 17    | 15    | 10   | 5    | 0    | -5   |
| 290.0 | 290.0                       | 270.3 | 251.1 | 232.1 | 220.0 | 210.8 | 187.7 | 166.7 | 149.6 | 136.8 | 127.2 | 122.0 | 115.5 | 99.1 | 82.8 | 66.5 | 50.1 |
| 33.6  | 33.6                        | 31.3  | 29.1  | 26.9  | 25.5  | 24.4  | 21.7  | 19.3  | 17.3  | 15.8  | 14.7  | 14.1  | 13.4  | 11.5 | 9.6  | 7.7  | 5.8  |
| 20.8  | 20.8                        | 20.5  | 20.1  | 19.8  | 19.6  | 19.4  | 19.1  | 18.7  | 18.4  | 18.0  | 17.7  | 17.5  | 17.3  | 17.0 | 16.6 | 16.3 | 15.9 |
| 4.1   | 4.1                         | 3.9   | 3.7   | 3.4   | 3.3   | 3.2   | 2.9   | 2.6   | 2.4   | 2.2   | 2.1   | 2.1   | 2.0   | 1.7  | 1.5  | 1.2  | 0.9  |

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR |      |       | OUTDOOR FAN MOTOR |     |     | INDOOR FAN MOTOR |     |      | OPTIONAL ELECTRIC HEAT |           |           | POWERED CONVENIENCE OUTLET | POWER EXHAUST | POWER EXHAUST (MODULATING) | POWER SUPPLY |         |
|--------------|-------------------|------------|------|-------|-------------------|-----|-----|------------------|-----|------|------------------------|-----------|-----------|----------------------------|---------------|----------------------------|--------------|---------|
|              |                   | QTY        | RLA  | LRA   | QTY               | HP  | FLA | QTY              | HP  | FLA  | PART #                 | KW*       | FLA       | FLA                        | FLA           | FLA                        | MCA          | MOP     |
| DSH1803D     | 208/230/3/60      | 2          | 25.0 | 178.5 | 4                 | 0.5 | 2.7 | 2                | 3.5 | 10.9 | -                      | -         | -         | -                          | -             | -                          | 88.9/88.9    | 110/110 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | -                          | 4.8           | -                          | 93.7/93.7    | 110/110 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | -                          | -             | 13.9                       | 103/103      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | -                          | 98.5/97.6    | 110/110 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | 4.8           | -                          | 103/102      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | 13.9                       | 112/112      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | EH**-3L30A             | 21.6/28.8 | 60.0/69.3 | -                          | -             | -                          | 164/176      | 175/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 169/180      | 175/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 178/189      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 174/184      | 175/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 178/189      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 187/198      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      | EH**-3L45A             | 32.4/43.2 | 90.1/104  | -                          | -             | -                          | 201/219      | 225/225 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 206/224      | 225/225 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 215/233      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 211/228      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 216/232      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 225/241      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      | EH**-3L60A             | 43.3/57.6 | 120/139   | -                          | -             | -                          | 239/227      | 250/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 244/232      | 250/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 253/241      | 300/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 249/236      | 250/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 253/241      | 300/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 263/250      | 300/300 |
| DSH1803W     | 208/230/3/60      | 2          | 25.0 | 178.5 | 4                 | 0.5 | 2.7 | 2                | 5.0 | 14.5 | -                      | -         | -         | -                          | -             | -                          | 96.1/96.1    | 110/110 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | -                          | 4.8           | -                          | 101/101      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | -                          | -             | 13.9                       | 110/110      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | -                          | 106/105      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | 4.8           | -                          | 111/110      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | 13.9                       | 120/119      | 125/125 |
|              |                   |            |      |       |                   |     |     |                  |     |      | EH**-3L30A             | 21.6/28.8 | 60.0/69.3 | -                          | -             | -                          | 171/183      | 175/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 176/188      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 185/197      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 181/191      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 186/196      | 200/200 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 195/205      | 200/225 |
|              |                   |            |      |       |                   |     |     |                  |     |      | EH**-3L45A             | 32.4/43.2 | 90.1/104  | -                          | -             | -                          | 209/226      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 213/231      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 223/240      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 218/235      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 223/240      | 225/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 232/249      | 250/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      | EH**-3L60A             | 43.3/57.6 | 120/139   | -                          | -             | -                          | 246/235      | 250/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 251/239      | 300/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 260/249      | 300/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 256/243      | 300/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 261/248      | 300/250 |
|              |                   |            |      |       |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 270/257      | 300/300 |

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR |      |     | OUTDOOR FAN MOTOR |     |     | INDOOR FAN MOTOR |     |      | OPTIONAL ELECTRIC HEAT |      |      | POWERED CONVENIENCE OUTLET | POWER EXHAUST | POWER EXHAUST (MODULATING) | POWER SUPPLY |     |
|--------------|-------------------|------------|------|-----|-------------------|-----|-----|------------------|-----|------|------------------------|------|------|----------------------------|---------------|----------------------------|--------------|-----|
|              |                   | QTY        | RLA  | LRA | QTY               | HP  | FLA | QTY              | HP  | FLA  | PART #                 | KW*  | FLA  | FLA                        | FLA           | FLA                        | MCA          | MOP |
| DSH1804D     | 460/3/60          | 2          | 10.9 | 103 | 4                 | 0.5 | 1.4 | 2                | 3.5 | 7.2  | -                      | -    | -    | -                          | -             | -                          | 44.5         | 50  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | 2.4           | -                          | 46.9         | 50  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | -             | 8.1                        | 52.6         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | -                          | 48.8         | 50  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | 2.4           | -                          | 51.2         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | 8.1                        | 56.9         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L30A             | 28.8 | 34.6 | -                          | -             | -                          | 87.8         | 90  |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 90.2         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 95.9         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 92.1         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 94.5         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 100          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L45A             | 43.2 | 52.0 | -                          | -             | -                          | 109          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 112          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 118          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 114          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 116          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 122          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L60A             | 57.6 | 69.3 | -                          | -             | -                          | 114          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 116          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 122          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 118          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 120          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 126          | 150 |
| DSH1804W     | 460/3/60          | 2          | 10.9 | 103 | 4                 | 0.5 | 1.4 | 2                | 5.0 | 10.6 | -                      | -    | -    | -                          | -             | -                          | 51.3         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | 2.4           | -                          | 53.7         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | -             | 8.1                        | 59.4         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | -                          | 55.6         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | 2.4           | -                          | 58.0         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | 8.1                        | 63.7         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L30A             | 28.8 | 34.6 | -                          | -             | -                          | 94.6         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 97.0         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 103          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 98.9         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 101          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 107          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L45A             | 43.2 | 52.0 | -                          | -             | -                          | 116          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 119          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 124          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 121          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 123          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 129          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L60A             | 57.6 | 69.3 | -                          | -             | -                          | 121          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 123          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 129          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 125          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 127          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 133          | 150 |

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR |     |     | OUTDOOR FAN MOTOR |     |     | INDOOR FAN MOTOR |     |     | OPTIONAL ELECTRIC HEAT |      |      | POWERED CONVENIENCE OUTLET | POWER EXHAUST | POWER EXHAUST (MODULATING) | POWER SUPPLY |     |
|--------------|-------------------|------------|-----|-----|-------------------|-----|-----|------------------|-----|-----|------------------------|------|------|----------------------------|---------------|----------------------------|--------------|-----|
|              |                   | QTY        | RLA | LRA | QTY               | HP  | FLA | QTY              | HP  | FLA | PART #                 | KW*  | FLA  | FLA                        | FLA           | FLA                        | MCA          | MOP |
| DSH1807D     | 575/3/60          | 2          | 8.4 | 78  | 4                 | 0.5 | 1.0 | 2                | 3.5 | 5.0 | -                      | -    | -    | -                          | -             | -                          | 33.0         | 40  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | -                          | 2.0           | -                          | 35.0         | 40  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | -                          | -             | 8.3                        | 41.3         | 45  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | -                          | 36.5         | 40  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | 2.0           | -                          | 38.5         | 45  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | 8.3                        | 44.8         | 50  |
|              |                   |            |     |     |                   |     |     |                  |     |     | EH**-7L30A             | 28.8 | 27.7 | -                          | -             | -                          | 67.6         | 70  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 69.6         | 70  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 75.9         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 71.1         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 73.1         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 79.4         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     | EH**-7L45A             | 43.2 | 41.6 | -                          | -             | -                          | 85.0         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 87.0         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 93.3         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 88.5         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 90.5         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 96.8         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     | EH**-7L60A             | 57.6 | 55.4 | -                          | -             | -                          | 88.4         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 90.4         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 96.7         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 91.9         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 93.9         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 100          | 110 |
| DSH1807W     | 575/3/60          | 2          | 8.4 | 78  | 4                 | 0.5 | 1.0 | 2                | 5.0 | 7.2 | -                      | -    | -    | -                          | -             | -                          | 37.4         | 45  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | -                          | 2.0           | -                          | 39.4         | 45  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | -                          | -             | 8.3                        | 45.7         | 50  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | -                          | 40.9         | 45  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | 2.0           | -                          | 42.9         | 50  |
|              |                   |            |     |     |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | 8.3                        | 49.2         | 50  |
|              |                   |            |     |     |                   |     |     |                  |     |     | EH**-7L30A             | 28.8 | 27.7 | -                          | -             | -                          | 72.0         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 74.0         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 80.3         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 75.5         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 77.5         | 80  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 83.8         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     | EH**-7L45A             | 43.2 | 41.6 | -                          | -             | -                          | 89.4         | 90  |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 91.4         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 97.7         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 92.9         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 94.9         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 101          | 110 |
|              |                   |            |     |     |                   |     |     |                  |     |     | EH**-7L60A             | 57.6 | 55.4 | -                          | -             | -                          | 92.8         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 94.8         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 101          | 110 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 96.3         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 98.3         | 100 |
|              |                   |            |     |     |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 105          | 110 |

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR |      |     | OUTDOOR FAN MOTOR |     |     | INDOOR FAN MOTOR |     |      | OPTIONAL ELECTRIC HEAT |           |           | POWERED CONVENIENCE OUTLET | POWER EXHAUST | POWER EXHAUST (MODULATING) | POWER SUPPLY |         |
|--------------|-------------------|------------|------|-----|-------------------|-----|-----|------------------|-----|------|------------------------|-----------|-----------|----------------------------|---------------|----------------------------|--------------|---------|
|              |                   | QTY        | RLA  | LRA | QTY               | HP  | FLA | QTY              | HP  | FLA  | PART #                 | KW*       | FLA       | FLA                        | FLA           | FLA                        | MCA          | MOP     |
| DSH2403D     | 208/230/3/60      | 2          | 29.4 | 225 | 4                 | 0.5 | 2.7 | 2                | 3.5 | 10.9 | -                      | -         | -         | -                          | -             | -                          | 98.7/98.7    | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | -                          | 4.8           | -                          | 103/103      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | -                          | -             | 13.9                       | 113/113      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | -                          | 108/107      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | 4.8           | -                          | 113/112      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | 13.9                       | 122/121      | 150/150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L30A             | 21.6/28.8 | 60.0/69.3 | -                          | -             | -                          | 174/185      | 175/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 179/190      | 200/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 188/199      | 200/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 183/194      | 200/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 188/199      | 200/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 197/208      | 200/225 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L45A             | 32.4/43.2 | 90.1/104  | -                          | -             | -                          | 211/229      | 225/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 216/233      | 225/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 225/242      | 250/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 221/237      | 225/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 226/242      | 250/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 235/251      | 250/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L60A             | 43.3/57.6 | 120/139   | -                          | -             | -                          | 249/237      | 250/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 254/242      | 300/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 263/251      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 258/246      | 300/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 263/251      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 272/260      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L75A             | 54.1/72.0 | 150/173   | -                          | -             | -                          | 249/272      | 250/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 254/277      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 263/286      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 258/281      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 263/285      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 272/295      | 300/300 |
| DSH2403W     | 208/230/3/60      | 2          | 29.4 | 225 | 4                 | 0.5 | 2.7 | 2                | 5.0 | 14.5 | -                      | -         | -         | -                          | -             | -                          | 106/106      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | -                          | 4.8           | -                          | 111/111      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | -                          | -             | 13.9                       | 120/120      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | -                          | 115/115      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | 4.8           | -                          | 120/119      | 125/125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -         | -         | 9.6/8.7                    | -             | 13.9                       | 129/128      | 150/150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L30A             | 21.6/28.8 | 60.0/69.3 | -                          | -             | -                          | 181/192      | 200/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 186/197      | 200/200 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 195/206      | 200/225 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 191/201      | 200/225 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 195/206      | 200/225 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 204/215      | 225/225 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L45A             | 32.4/43.2 | 90.1/104  | -                          | -             | -                          | 218/236      | 225/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 223/241      | 225/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 232/250      | 250/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 228/244      | 250/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 233/249      | 250/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 242/258      | 250/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L60A             | 43.3/57.6 | 120/139   | -                          | -             | -                          | 256/244      | 300/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 261/249      | 300/250 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 270/258      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 266/253      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 270/258      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 280/267      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-3L75A             | 54.1/72.0 | 150/173   | -                          | -             | -                          | 256/279      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | 4.8           | -                          | 261/284      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | -                          | -             | 13.9                       | 270/293      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | -                          | 266/288      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | 4.8           | -                          | 270/293      | 300/300 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |           |           | 9.6/8.7                    | -             | 13.9                       | 280/302      | 300/350 |

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR |      |     | OUTDOOR FAN MOTOR |     |     | INDOOR FAN MOTOR |     |      | OPTIONAL ELECTRIC HEAT |      |      | POWERED CONVENIENCE OUTLET | POWER EXHAUST | POWER EXHAUST (MODULATING) | POWER SUPPLY |     |
|--------------|-------------------|------------|------|-----|-------------------|-----|-----|------------------|-----|------|------------------------|------|------|----------------------------|---------------|----------------------------|--------------|-----|
|              |                   | QTY        | RLA  | LRA | QTY               | HP  | FLA | QTY              | HP  | FLA  | PART #                 | KW*  | FLA  | FLA                        | FLA           | FLA                        | MCA          | MOP |
| DSH2404D     | 460/3/60          | 2          | 13.7 | 130 | 4                 | 0.5 | 1.4 | 2                | 3.5 | 7.2  | -                      | -    | -    | -                          | -             | -                          | 50.8         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | 2.4           | -                          | 53.2         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | -             | 8.1                        | 58.9         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | -                          | 55.1         | 60  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | 2.4           | -                          | 57.5         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | 8.1                        | 63.2         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L30A             | 28.8 | 34.6 | -                          | -             | -                          | 94.1         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 96.5         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 102          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 98.4         | 100 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 101          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 107          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L45A             | 43.2 | 52.0 | -                          | -             | -                          | 116          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 118          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 124          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 120          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 122          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 128          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L60A             | 57.6 | 69.3 | -                          | -             | -                          | 120          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 122          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 128          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 124          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 127          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 132          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L75A             | 72.0 | 86.6 | -                          | -             | -                          | 137          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 140          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 146          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 142          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 144          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 150          | 150 |
| DSH2404W     | 460/3/60          | 2          | 13.7 | 130 | 4                 | 0.5 | 1.4 | 2                | 5.0 | 10.6 | -                      | -    | -    | -                          | -             | -                          | 57.6         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | 2.4           | -                          | 60.0         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | -                          | -             | 8.1                        | 65.7         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | -                          | 61.9         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | 2.4           | -                          | 64.3         | 70  |
|              |                   |            |      |     |                   |     |     |                  |     |      | -                      | -    | -    | 4.3                        | -             | 8.1                        | 70.0         | 80  |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L30A             | 28.8 | 34.6 | -                          | -             | -                          | 101          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 103          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 109          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 105          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 108          | 110 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 113          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L45A             | 43.2 | 52.0 | -                          | -             | -                          | 123          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 125          | 125 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 131          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 127          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 129          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 135          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L60A             | 57.6 | 69.3 | -                          | -             | -                          | 127          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 129          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 135          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 131          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 134          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 139          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      | EH**-4L75A             | 72.0 | 86.6 | -                          | -             | -                          | 144          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | 2.4           | -                          | 147          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | -                          | -             | 8.1                        | 152          | 175 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | -                          | 149          | 150 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | 2.4           | -                          | 151          | 175 |
|              |                   |            |      |     |                   |     |     |                  |     |      |                        |      |      | 4.3                        | -             | 8.1                        | 157          | 175 |

| MODEL NUMBER | ELECTRICAL RATING | COMPRESSOR |      |      | OUTDOOR FAN MOTOR |     |     | INDOOR FAN MOTOR |     |     | OPTIONAL ELECTRIC HEAT |      |      | POWERED CONVENIENCE OUTLET | POWER EXHAUST | POWER EXHAUST (MODULATING) | POWER SUPPLY |     |
|--------------|-------------------|------------|------|------|-------------------|-----|-----|------------------|-----|-----|------------------------|------|------|----------------------------|---------------|----------------------------|--------------|-----|
|              |                   | QTY        | RLA  | LRA  | QTY               | HP  | FLA | QTY              | HP  | FLA | PART #                 | KW*  | FLA  | FLA                        | FLA           | FLA                        | MCA          | MOP |
| DSH2407D     | 575/3/60          | 2          | 10.9 | 93.7 | 4                 | 0.5 | 1.0 | 2                | 3.5 | 5.0 | -                      | -    | -    | -                          | -             | -                          | 38.5         | 45  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | -                          | 2.0           | -                          | 40.5         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | -                          | -             | 8.3                        | 46.8         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | -                          | 42.0         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | 2.0           | -                          | 44.0         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | 8.3                        | 50.3         | 60  |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L30A             | 28.8 | 27.7 | -                          | -             | -                          | 73.1         | 80  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 75.1         | 80  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 81.4         | 90  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 76.6         | 80  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 78.6         | 80  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 84.9         | 90  |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L45A             | 43.2 | 41.6 | -                          | -             | -                          | 90.4         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 92.4         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 98.7         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 93.9         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 95.9         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 102          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L60A             | 57.6 | 55.4 | -                          | -             | -                          | 93.9         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 95.9         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 102          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 97.4         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 99.4         | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 106          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L75A             | 72.0 | 69.3 | -                          | -             | -                          | 108          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 110          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 116          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 111          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 113          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 120          | 125 |
| DSH2407W     | 575/3/60          | 2          | 10.9 | 93.7 | 4                 | 0.5 | 1.0 | 2                | 5.0 | 7.2 | -                      | -    | -    | -                          | -             | -                          | 42.9         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | -                          | 2.0           | -                          | 44.9         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | -                          | -             | 8.3                        | 51.2         | 60  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | -                          | 46.4         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | 2.0           | -                          | 48.4         | 50  |
|              |                   |            |      |      |                   |     |     |                  |     |     | -                      | -    | -    | 3.5                        | -             | 8.3                        | 54.7         | 60  |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L30A             | 28.8 | 27.7 | -                          | -             | -                          | 77.5         | 80  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 79.5         | 80  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 85.8         | 90  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 81.0         | 90  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 83.0         | 90  |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 89.3         | 90  |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L45A             | 43.2 | 41.6 | -                          | -             | -                          | 94.8         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 96.8         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 103          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 98.3         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 100          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 107          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L60A             | 57.6 | 55.4 | -                          | -             | -                          | 98.3         | 100 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 100          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 107          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 102          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 104          | 110 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 110          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     | EH**-7L75A             | 72.0 | 69.3 | -                          | -             | -                          | 112          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | 2.0           | -                          | 114          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | -                          | -             | 8.3                        | 120          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | -                          | 116          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | 2.0           | -                          | 118          | 125 |
|              |                   |            |      |      |                   |     |     |                  |     |     |                        |      |      | 3.5                        | -             | 8.3                        | 124          | 125 |

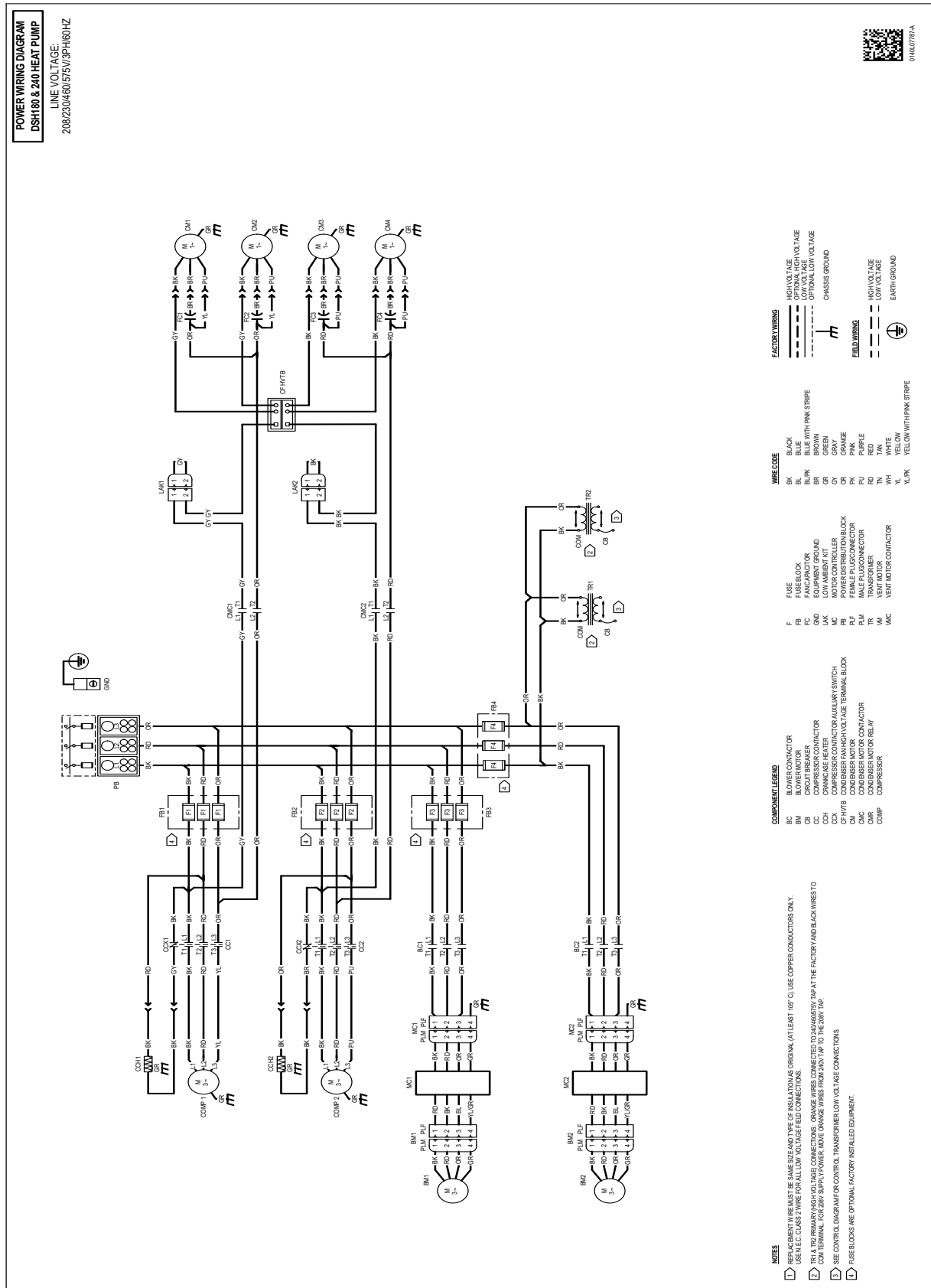
| AIR FLOW FOR ELECTRIC HEAT |                         |    |        |             |             |
|----------------------------|-------------------------|----|--------|-------------|-------------|
| UNIT                       | HEATER KIT MODEL NUMBER | kW | STAGES | MINIMUM CFM | MAXIMUM CFM |
| 15 ton HP STD Static       | EH*~*L30A               | 30 | 2      | 5400        | 8300        |
|                            | EH*~*L45A               | 45 |        |             |             |
|                            | EH*~*L60A               | 60 |        |             |             |
| 15 ton HP High Static      | EH*~*L30A               | 30 | 2      | 5500        | 9500        |
|                            | EH*~*L45A               | 45 |        |             |             |
|                            | EH*~*L60A               | 60 |        |             |             |
| 20 ton HP STD Static       | EH*~*L30A               | 30 | 2      | 6500        | 10300       |
|                            | EH*~*L45A               | 45 |        |             |             |
|                            | EH*~*L60A               | 60 |        |             |             |
|                            | EH*~*L75A               | 75 |        |             |             |
| 20 ton HP High Static      | EH*~*L30A               | 30 | 2      | 6100        | 11100       |
|                            | EH*~*L45A               | 45 |        |             |             |
|                            | EH*~*L60A               | 60 |        |             |             |
|                            | EH*~*L75A               | 75 |        |             |             |

HEATER KIT MODEL NUMBER NOMENCLATURE

|             | E | H | * | - | 3 | L | 30  | A |
|-------------|---|---|---|---|---|---|-----|---|
|             | 1 | 2 | 3 | - | 4 | 5 | 6,7 | 8 |
| Electric    |   |   |   |   |   |   |     |   |
| Heater      |   |   |   |   |   |   |     |   |
| Heater Type |   |   |   |   |   |   |     |   |
| X           |   |   |   |   |   |   |     |   |
| S           |   |   |   |   |   |   |     |   |
| Voltage     |   |   |   |   |   |   |     |   |
| 3           |   |   |   |   |   |   |     |   |
| 4           |   |   |   |   |   |   |     |   |
| 7           |   |   |   |   |   |   |     |   |
| Chassis     |   |   |   |   |   |   |     |   |
| L           |   |   |   |   |   |   |     |   |
| Kilowatt    |   |   |   |   |   |   |     |   |
| 30          |   |   |   |   |   |   |     |   |
| 45          |   |   |   |   |   |   |     |   |
| 60          |   |   |   |   |   |   |     |   |
| 75          |   |   |   |   |   |   |     |   |
| -           |   |   |   |   |   |   |     |   |
| A           |   |   |   |   |   |   |     |   |

FLA Table for EHK

| HEATER KIT MODEL NUMBER | kW        | FLA         |
|-------------------------|-----------|-------------|
| EH**~3L30A              | 21.6/28.8 | 60.0/69.3   |
| EH**~3L45A              | 32.5/43.2 | 90.1/104    |
| EH**~3L60A              | 43.3/57.6 | 120.0/139.0 |
| EH**~3L75A              | 54.1/72.0 | 150.0/173.0 |
| EH**~4L30A              | 28.8      | 34.6        |
| EH**~4L45A              | 43.2      | 52.0        |
| EH**~4L60A              | 57.6      | 69.3        |
| EH**~4L75A              | 72.0      | 86.6        |
| EH**~7L30A              | 28.8      | 27.7        |
| EH**~7L45A              | 43.2      | 41.6        |
| EH**~7L60A              | 57.6      | 55.4        |
| EH**~7L75A              | 72.0      | 69.3        |



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.



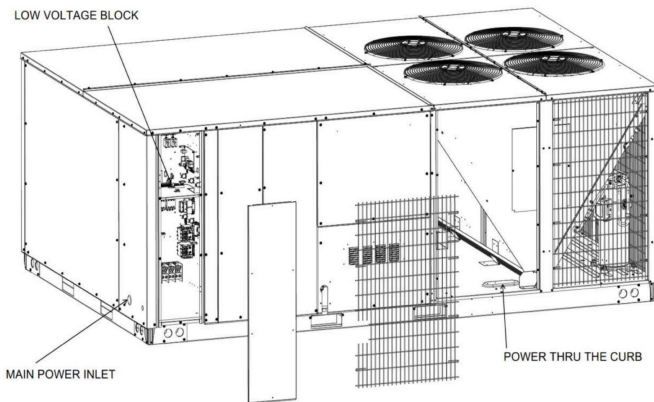
Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.



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

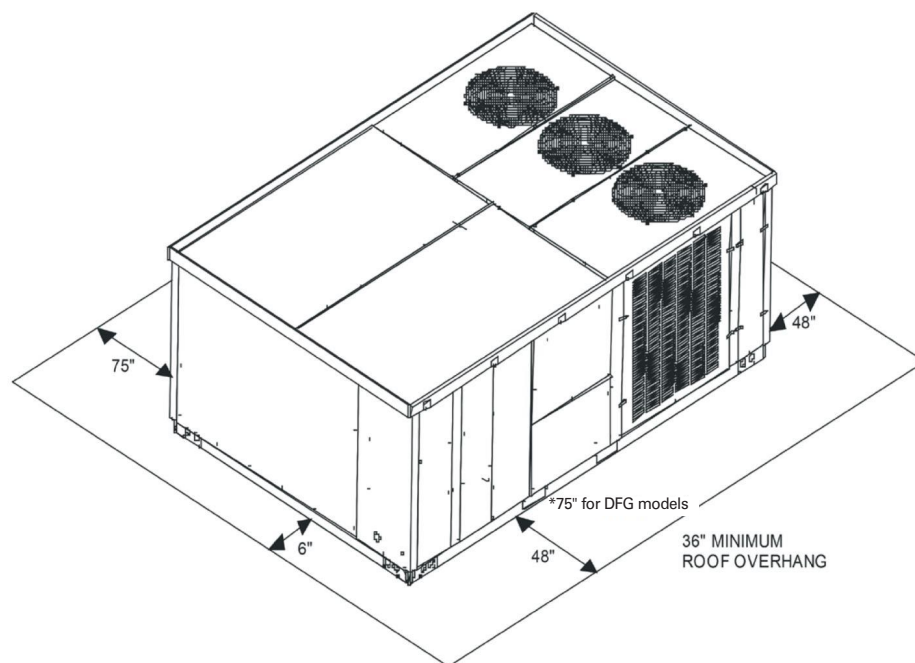
## Unit Clearances

### Electrical Entrance Locations



### Service Clearance

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



## Unit Location

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

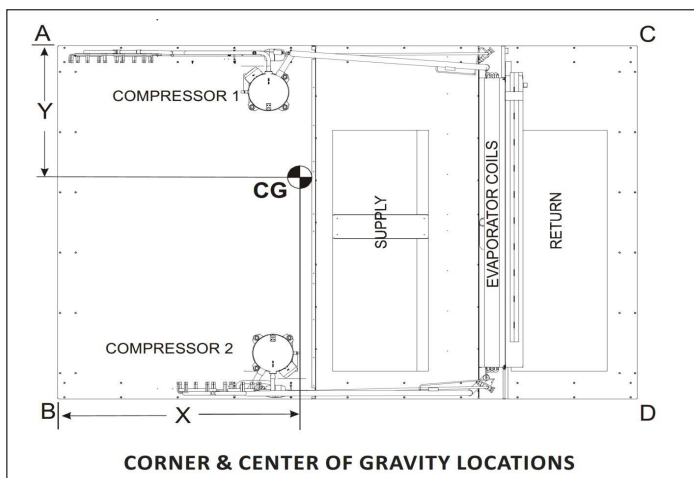
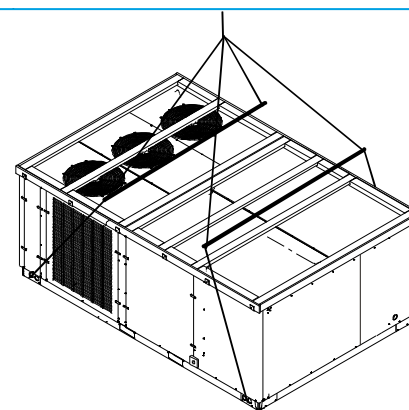
Allow sufficient space around the unit for maintenance/service clearance. Consult your Daikin sales representative if available clearances do not meet minimum recommendations.

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

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

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

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



## Roof Curb Installation

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

## Weights

| MODEL           | SHIPPING WEIGHT (LBS) | %OPERATING WEIGHT (LBS) | CORNER WEIGHTS (LBS) |     |     |     | LENGTH<br>X (in) | WIDTH<br>Y (in) |
|-----------------|-----------------------|-------------------------|----------------------|-----|-----|-----|------------------|-----------------|
|                 |                       |                         | A                    | B   | C   | D   |                  |                 |
| DSH1803D000001S | 2388                  | 2273                    | 740                  | 518 | 440 | 575 | 59.5             | 46.1            |
| DSH1804D000001S | 2388                  | 2273                    | 740                  | 518 | 440 | 575 | 59.5             | 46.1            |
| DSH1807D000001S | 2388                  | 2273                    | 740                  | 518 | 440 | 575 | 59.5             | 46.1            |
| DSH2403D000001S | 2469                  | 2354                    | 508                  | 839 | 607 | 475 | 59.6             | 40.6            |
| DSH2404D000001S | 2469                  | 2354                    | 508                  | 839 | 607 | 475 | 59.6             | 40.6            |
| DSH2407D000001S | 2469                  | 2354                    | 508                  | 839 | 607 | 475 | 59.6             | 40.6            |

For details on accessories refer to document **PM-LC-ACCESSORIES**



## Notes

## Notes

Our continuing commitment to quality products may mean a change in specifications without notice.  
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