

# ITEM # DFC1803D000001S, 15 TON AC DIRECT DRIVE 3 PHASE 208-230V

15 Ton AC Direct Drive 3 Phase 208-230V



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| Specifications         |                                           |
|------------------------|-------------------------------------------|
| Type                   | Light Commercial Packaged Air Conditioner |
| Cooling Capacity       | 172000 Btu/h<br>15 T                      |
| IEER                   | 11.0                                      |
| System Performance EER | 14.2                                      |
| AHRI Reference #       | 210331718                                 |
| Sound Level            | 80.4 dB                                   |
| Operating Weight       | 1724 lb                                   |
| Shipping Weight        | 1839 lb                                   |

| Evaporator Motor / Coil        |              |
|--------------------------------|--------------|
| Evaporator Motor Type          | Direct Drive |
| External Static Pressure (ESP) | Standard     |
| Wheel Dia. x Width             | 15 x 15 in   |
| Indoor Nominal CFM             | 5000         |
| RPM                            | 300-1600     |

|                             |                       |
|-----------------------------|-----------------------|
| Evaporator Motor Horsepower | 3.5 hp                |
| Filter Size                 | 20 x 20 x 2 (8) in    |
| Drain Size (NPT)            | 1 in                  |
| R-410A Refrigerant Charge   | 128/109 oz            |
| Evaporator Coil Face Area   | 21.69 ft <sup>2</sup> |
| Rows Deep                   | 2                     |
| Fins per Inch               | 18                    |

Condenser Fan / Coil

|                                  |                      |
|----------------------------------|----------------------|
| Quantity of Condenser Fan Motors | 3                    |
| RPM (High/Low stage)             | 1122                 |
| Outdoor Horsepower               | 1/3 hp               |
| Diameter                         | 22 in                |
| No. of Fan Blades                | 3                    |
| Condenser Coil Face Area         | 25.7 ft <sup>2</sup> |
| Rows Deep                        | 1                    |
| Fins per Inch                    | 23                   |

Compressor

|                   |         |
|-------------------|---------|
| Quantity          | 2       |
| Type              | Scroll  |
| Rated Load Amps   | 25.0 A  |
| Locked Rotor Amps | 164.0 A |

Electrical Data

|                                    |              |
|------------------------------------|--------------|
| Voltage                            | 208 to 230 V |
| Number of Phases                   | 3            |
| Frequency                          | 60 Hz        |
| Indoor Blower FLA                  | 10.9 A       |
| Max External Static                | 1.2 inWc     |
| Outdoor Fan FLA                    | 2 A          |
| Min. Circuit Ampacity              | 84 / 84 A    |
| Max. Overcurrent Protection        | 100 / 100 A  |
| Power Supply Conduit Hole Diameter | 2.5 in       |
| Low-Voltage Conduit Hole Diameter  | 0.5 in       |

## Dimensions

|        |             |
|--------|-------------|
| Depth  | 133 7/8 in  |
| Width  | 88 1/2 in   |
| Height | 51 11/16 in |

## Features and Benefits

### 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.

### Compressor

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

### Supply Fan

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

**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.

**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.

**Filtration**

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

**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.

**Electrical**

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