

# Nomenclature

	D	F	C	300	3	V	400	C	S	A	X	X	X	X	X	X	X	X	A	*																																				
	1	2	3	4,5,6	7	8	9,10,11	12	13	14	15	16	17	18	19	20	21	22	23	24																																				
<b>Brand</b>	D Daikin																																																							
<b>Configuration</b>	F Standard Efficiency R High Efficiency																																																							
<b>Application</b>	C Cooling G Gas Heat H Heat Pump																																																							
<b>Nominal Cooling Capacity</b>	036 3 Tons    090 7½ Tons    180 15 Tons 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>	1 208-230/1/60    4 460/3/60 3 208-230/3/60    7 575/3/60																																																							
<b>Supply Fan/Drive Type/Motor</b>	D Direct Drive- Standard Static W Direct Drive- High Static L Direct Drive-Medium Static																																																							
<b>Nominal Heating Capacity</b>	<table border="1"> <thead> <tr> <th>Gas/Electric</th> <th>A/C Factory-Installed Electric Heat</th> </tr> </thead> <tbody> <tr><td>045 45,000 BTU/h</td><td>XXX No Heat</td></tr> <tr><td>060 60,000 BTU/h</td><td>005 5kW</td></tr> <tr><td>070 70,000 BTU/h</td><td>006 5kW</td></tr> <tr><td>080 80,000 BTU/h</td><td>010 10 kW</td></tr> <tr><td>090 90,000 BTU/h</td><td>011 10 kW</td></tr> <tr><td>100 100,000 BTU/h</td><td>015 15 kW</td></tr> <tr><td>115 115,000 BTU/h</td><td>016 15 kW</td></tr> <tr><td>125 125,000 BTU/h</td><td>017 15 kW</td></tr> <tr><td>130 130,000 BTU/h</td><td>018 18 kW</td></tr> <tr><td>140 140,000 BTU/h</td><td>020 20 kW</td></tr> <tr><td>150 150,000 BTU/h</td><td>021 20 kW</td></tr> <tr><td>180 180,000 BTU/h</td><td>022 20 kW</td></tr> <tr><td>210 210,000 BTU/h</td><td>023 20 kW</td></tr> <tr><td>225 225,000 BTU/h</td><td>030 30 kW</td></tr> <tr><td>240 240,000 BTU/h</td><td>031 30 kW</td></tr> <tr><td>350 350,000 BTU/h</td><td>032 30 kW</td></tr> <tr><td>400 400,000 BTU/h</td><td>045 45kW</td></tr> </tbody> </table> <p>See product specifications for heat size(s) available for each capacity.</p>																				Gas/Electric	A/C Factory-Installed Electric Heat	045 45,000 BTU/h	XXX No Heat	060 60,000 BTU/h	005 5kW	070 70,000 BTU/h	006 5kW	080 80,000 BTU/h	010 10 kW	090 90,000 BTU/h	011 10 kW	100 100,000 BTU/h	015 15 kW	115 115,000 BTU/h	016 15 kW	125 125,000 BTU/h	017 15 kW	130 130,000 BTU/h	018 18 kW	140 140,000 BTU/h	020 20 kW	150 150,000 BTU/h	021 20 kW	180 180,000 BTU/h	022 20 kW	210 210,000 BTU/h	023 20 kW	225 225,000 BTU/h	030 30 kW	240 240,000 BTU/h	031 30 kW	350 350,000 BTU/h	032 30 kW	400 400,000 BTU/h	045 45kW
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<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																																																							
<b>Heat Exchanger</b>	X No options A Standard Aluminized Exchanger S Stainless Steel Exchanger U Ultra Low NO <sub>x</sub> Stainless Steel Exchanger																																																							
<b>Controls</b>	A Electromechanical controls B DDC w/ BACnet™ interface																																																							
<b>Revision Levels</b>	Major & Minor																																																							
<b>Service Options</b>	X No Options A Powered convenience outlet B Non-powered convenience outlet C Hinge Panels D Hinged Panels and Powered convenience outlet E Hinged Panels and non-powered convenience outlet																																																							
<b>Electrical</b>	X No Option A Non-Fused Disconnect B Phase Monitor E Non-Fused Disconnect and Phase Monitor C Thru-the-base connections E Non-Fused Disconnect and Phase Monitor F Non-Fused Disconnect and Thru-the-base connections H Phase Monitor and Thru-the-base connections L Non-Fused Disconnect, Thru-the-base connections and Phase Monitor																																																							
<b>Economizer</b>	X No Options A Ultra Low-Leak Downflow Economizer w/ Enthalpy Sensor B Low-Leak Downflow Economizer w/ Enthalpy Sensor E Ultra Low-Leak Downflow Economizer for DDC controls w/ Enthalpy Sensor G Ultra Low-Leak Downflow Economizer w/ Dry Bulb Sensor H Low-Leak Downflow Economizer w/ Dry Bulb Sensor L Ultra Low-Leak Downflow Economizer for DDC controls w/ Dry Bulb Sensor N Low-Leak Downflow Economizer for DDC controls w/ Enthalpy Sensor P Low-Leak Downflow Economizer for DDC controls w/ Dry Bulb Sensor																																																							
<b>Coils, Hail guard</b>	X No Options A E-coat outdoor C Hail Guard D E-coat outdoor w/ Hail Guard																																																							
<b>Sensors</b>	X No Options A RA Smoke Detector B SA Smoke Detector C RA & SA Smoke Detector																																																							

AC STOCKING MODELS	
New Daikin 15 – 25 Ton	
MODEL NUMBER	CODE STRING
DFC1803D000001S	DFC1803DXXXCXAXXXXXXXXXXAA
DFC1804D000001S	DFC1804DXXXCXAXXXXXXXXXXAA
DFC1807D000001S	DFC1807DXXXCXAXXXXXXXXXXAA
DFC2403D000001S	DFC2403DXXXCXAXXXXXXXXXXAA
DFC2404D000001S	DFC2404DXXXCXAXXXXXXXXXXAA
DFC2407D000001S	DFC2407DXXXCXAXXXXXXXXXXAA
DFC3003D000001S	DFC3003DXXXCXAXXXXXXXXXXAA
DFC3004D000001S	DFC3004DXXXCXAXXXXXXXXXXAA
DFC3007D000001S	DFC3007DXXXCXAXXXXXXXXXXAA

PHYSICAL DATA COOLING			
Model	DFC1803D000001S	DFC1804D000001S	DFC1807D000001S
<b>COOLING CAPACITY</b>			
Total BTU/H	172,000	172,000	172,000
EER /IEER	11.0 / 14.2	11.0 / 14.2	11.0 / 14.2
AHRI Reference #	210331718	210331718	210331718
<b>EVAPORATOR MOTOR / RTPF (ROUND TUBE PLATE FIN)</b>			
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	5000	5000	5000
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-410A Refrigerant Charge (oz.) (1)	128	128	128
R-410A Refrigerant Charge (oz.) (2)	109	109	109
Evaporator Coil Face Area (ft <sup>2</sup> )	21.69	21.69	21.69
Rows Deep/ Fins per Inch	2/18	2/18	2/18
<b>CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)</b>			
Quantity of Condenser Fan Motors	3	3	3
RPM (High/Low stage)	1122	1050	1050
Outdoor Horsepower	1/3	1/3	1/3
Fan Diameter/ # Fan Blades	22 / 3	22 / 3	22 / 3
Face Area (ft <sup>2</sup> )	25.7	25.7	25.7
Rows Deep / Fins per Inch	1/23	1/23	1/23
<b>COMPRESSOR</b>			
Quantity / Type / Stages per Compression	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	25.0 / 164.0	12.2 / 100.0	10.0 / 78.0
<b>ELECTRICAL DATA</b>			
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	0.85	0.67
Min. Circuit Ampacity <sup>1</sup>	84/84	44.4	32.2
Max. Overcurrent Protection (A) <sup>2</sup>	100/100	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
<b>OPERATING WEIGHT (LBS.)</b>			
	1724	1724	1724
<b>SHIPPING WEIGHT (LBS.)</b>			
	1839	1839	1839

<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.