

# Nomenclature

	D	F	C	036	3	S	045	C	A	A	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>																				<b>Revision Levels</b>
D Daikin																				Major & Minor
<b>Configuration</b>																				<b>PE Connection</b>
F Standard Efficiency																				X No Options
R High Efficiency																				
<b>Application</b>																				<b>IAQ</b>
C Cooling																				X No Options
G Gas/Electric																				B Single-point power connection for Power Exhaust
H Heat Pump																				
<b>Nominal Cooling Capacity</b>																				<b>Service Options</b>
036 3 Tons 090 7½ Tons 180 15 Tons																				X No Option
048 4 Tons 102 8½ Tons 240 20 Tons																				A Powered convenience outlet
060 5 Tons 120 10 Tons 300 25 Tons																				B Non-powered convenience outlet
072 6 Tons 150 12½ tons																				C Hinge Panels
<b>Voltage</b>																				D Hinged Panels and Powered convenience outlet
1 208-230/1/60 4 460/3/60																				E Hinged Panels and non-powered convenience outlet
3 208-230/3/60 7 575/3/60																				
<b>Supply Fan/Drive Type/Motor</b>																				<b>Electrical</b>
D Direct Drive - Standard Static																				X No Options
L Direct Drive - Medium Static																				A Non-Fused Disconnect
W Direct Drive - High Static																				B Phase Monitor
<b>Nominal Heating Capacity</b>																				C Thru-the-base connections
<b>Gas/Electric</b>																				E Non-Fused Disconnect and Phase Monitor
<b>A/C Factory-installed Electric Heat</b>																				F Non-Fused Disconnect and Thru-the-base connectons
045 45,000 BTU/h XXX No Heat XXX No Heat																				H Phase Monitor and Thru-the-base connections
060 60,000 BTU/h 005 5kW 022 20 kW																				L Non-Fused Disconnect, Thru-the-base connectons and Phase Monitor
070 70,000 BTU/h 006 5kW 023 20 kW																				
080 80,000 BTU/h 010 10 kW 030 30 kW																				<b>Economizer</b>
090 90,000 BTU/h 011 10 kW 031 30 kW																				X No Options
100 100,000 BTU/h 015 15 kW 032 30 kW																				A Ultra Low-Leak Downflow Economizer w/ Enthalpy Sensor
115 115,000 BTU/h 016 15 kW 045 45kW																				B Low-Leak Downflow Economizer w/ Enthalpy Sensor
125 125,000 BTU/h 017 15 kW 046 45kW																				G Ultra Low-Leak Downflow Economizer w/ Dry Bulb Sensor
130 130,000 BTU/h 018 18 kW 060 60kW																				H Low-Leak Downflow Economizer w/ Dry Bulb Sensor
140 140,000 BTU/h 020 20 kW 075 75kW																				L Ultra Low-Leak Downflow Economizer for DDC controls w/ Dry Bulb Sensor
150 150,000 BTU/h 021 20 kW																				N Low-Leak Downflow Economizer for DDC controls w/ Enthalpy Sensor
180 180,000 BTU/h																				P Low-Leak Downflow Economizer for DDC controls w/ Dry Bulb Sensor
210 210,000 BTU/h																				
225 225,000 BTU/h																				<b>Coils, Hail guard</b>
240 240,000 BTU/h																				X No Options
350 350,000 BTU/h																				A E-coat outdoor
400 400,000 BTU/h																				C Hail Guard
																				D E-coat outdoor w/ Hail Guard
<b>Refrigeration Systems</b>																				<b>Sensors</b>
A Single stage cooling modes																				X No Options
C Two stage cooling modes																				A RA Smoke Detector
F Two stage cooling modes with Hot Gas Reheat and Low-ambient control																				B SA Smoke Detector
<b>Heat Exchanger</b>																				C RA & SA Smoke Detector
X No options																				
A Standard Aluminized Exchanger																				
S Stainless Steel Exchanger																				
U Ultra Low NoX Stainless Steel Exchanger																				
<b>Controls</b>																				
A Electro-mechanical controls																				
B DDC w/ BACnet interface																				

AC Stocking Models	
New Daikin 7.5-12.5 Ton Direct-Drive	
MODEL NUMBER	CODE STRING
DFC0903D000001S	DFC0903DXXXXCAXXXXXXXXXX
DFC0904D000001S	DFC0904DXXXXCAXXXXXXXXXX
DFC0907D000001S	DFC0907DXXXXCAXXXXXXXXXX
DFC1023D000001S	DFC1023DXXXXCAXXXXXXXXXX
DFC1024D000001S	DFC1024DXXXXCAXXXXXXXXXX
DFC1027D000001S	DFC1027DXXXXCAXXXXXXXXXX
DFC1203D000001S	DFC1203DXXXXCAXXXXXXXXXX
DFC1204D000001S	DFC1204DXXXXCAXXXXXXXXXX
DFC1207D000001S	DFC1207DXXXXCAXXXXXXXXXX
DFC1503D000001S	DFC1503DXXXXCAXXXXXXXXXX
DFC1504D000001S	DFC1504DXXXXCAXXXXXXXXXX
DFC1507D000001S	DFC1507DXXXXCAXXXXXXXXXX
DFC1503W000001F	DFC1503LXXXXCAXXXXXXXXXX
DFC1504W000001F	DFC1504LXXXXCAXXXXXXXXXX
DFC1507W000001F	DFC1507LXXXXCAXXXXXXXXXX

Model	DFC1023D000001S	DFC1024D000001S	DFC1027D000001S
<b>COOLING CAPACITY</b>			
Total BTU/H	97,000	97,000	97,000
IEER / EER	15/11.2	15/11.2	15/11.2
AHRI Reference #	210240224	210240224	210240224
<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	15x12	15x12	15x12
Indoor Nominal CFM	3230	3230	3230
RPM	300-1600	300-1600	300-1600
Indoor Horsepower	2.4	2.4	2.4
Filter Size (in)	20 X 20 X 2 (2) 20 X 25 X 2 (2)	20 X 20 X 2 (2) 20 X 25 X 2 (2)	20 X 20 X 2 (2) 20 X 25 X 2 (2)
Drain Size (NPT)	3/4	3/4	3/4
R-410A Refrigerant Charge (oz.) Cir #1 & 2	71/68	71/68	71/68
Evaporator Coil Face Area (ft <sup>2</sup> )	13.4	13.4	13.4
Rows Deep / Fins per Inch	2 / 16	2 / 16	2 / 16
<b>CONDENSER FAN / MCHX (MICROCHANNEL HEAT EXCHANGER)</b>			
Quantity of Condenser Fan Motors	2	2	2
RPM (High/Low stage)	1120	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> )	29.1	29.1	29.1
Rows Deep / Fins per Inch	1 / 23	1 / 23	1 / 23
<b>COMPRESSOR</b>			
Quantity / Type / Stages per Compressor	2 / Scroll / 1	2 / Scroll / 1	2 / Scroll / 1
Compressor RLA / LRA	14.5/98	6.3 / 55	6/41
<b>ELECTRICAL DATA</b>			
Voltage-Phase-Frequency	208/230-3-60	460-3-60	575-3-60
Indoor Blower FLA	8	5.4	4.0
Max External Static (In. W.C.)	0.8	0.8	0.8
Outdoor Fan FLA	2	0.85	0.67
Min. Circuit Ampacity <sup>1</sup>	44.6 / 44.6	21.4	18.9
Max. Overcurrent Protection (A) <sup>2</sup>	50 / 50	25	20
Power Supply Conduit Hole Dia. (in)	1.375	1.375	1.375
Low-Voltage Conduit Hole Dia. (in)	0.5	0.5	0.5
<b>OPERATING WEIGHT (LBS.)</b>			
Operating Weight (lbs)	1000	1000	1000
<b>SHIPPING WEIGHT (LBS.)</b>			
Ship Weight (lbs)	1080	1080	1080

<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.