



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	1.52	2.01	2.56	3.18	3.86	4.61	5.42	5.76	6.29	6.74
32.0	1.34	1.81	2.33	2.92	3.57	4.27	5.04	5.37	5.87	6.30
38.0			2.04	2.58	3.19	3.85	4.57	4.87	5.34	5.74
43.0				2.28	2.84	3.46	4.14	4.42	4.87	5.25
46.0					2.63	3.22	3.87	4.14	4.57	
49.0						2.97				

50 Hz

MC-D8-ZB15KE-TFD

R407C Dew Point

Ambient °C	Total Power Input, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	1.31	1.36	1.40	1.43	1.46	1.52	1.58	1.62	1.68	1.75
32.0	1.50	1.55	1.59	1.62	1.66	1.70	1.78	1.81	1.88	1.94
38.0			1.88	1.90	1.93	1.98	2.04	2.07	2.14	2.20
43.0				2.19	2.21	2.25	2.30	2.33	2.39	2.45
46.0					2.40	2.43	2.48	2.51	2.56	
49.0						2.64				

Ambient °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	2.30	2.34	2.37	2.40	2.43	2.49	2.57	2.62	2.70	2.78
32.0	2.46	2.52	2.56	2.60	2.64	2.69	2.78	2.82	2.90	2.98
38.0			2.86	2.90	2.94	3.00	3.09	3.13	3.21	3.29
43.0				3.22	3.27	3.32	3.40	3.45	3.52	3.60
46.0					3.49	3.54	3.62	3.66	3.74	
49.0						3.79				

Ambient °C	Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	9.37	12.30	15.65	19.45	23.70	28.40	33.70	36.00	39.50	42.70
32.0	8.69	11.65	15.00	18.75	23.00	27.70	32.90	35.20	38.80	42.00
38.0			14.00	17.75	21.90	26.60	31.80	34.10	37.60	40.80
43.0				16.65	20.80	25.40	30.60	32.90	36.50	39.70
46.0					20.00	24.60	29.80	32.10	35.60	
49.0						23.70				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	D8/121
Number of Fans	1
Total Fan Power Input, W	110
Depth/Width, mm	570/560
Height, mm	446
Base mounting (hole dia), mm	530 x 330 (11)
Gross Weight, kg	58
Net Weight, kg	48
Receiver Capacity, l	3.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.44
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
Sound Pressure @ 10m, dBA	46

CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Condenser Fan Current for 1 fan (single phase)	0.45 / 0.65
Compressor Maximum Operating Current, A	4.9
Compressor Locked Rotor Current, A	26

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Electric box (W x H x D), mm	140 x 205 x 60
HP/LP Switch	ALCO PS2-W7A

ACCESSORIES OPTIONAL

Housing	BD
Fan speed control	ALCO FSX41S for R134a
Fan speed control	ALCO FSX42S

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00