



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

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
27.0	2.01	2.49	3.01	3.58	4.18	4.83	5.50	5.78	6.20
32.0	1.78	2.23	2.71	3.23	3.79	4.38	5.00	5.25	5.64
38.0		1.88	2.32	2.79	3.29	3.82	4.37	4.59	4.94
43.0			1.98	2.40	2.85	3.33			
46.0				2.16					
49.0									

50 Hz

MC-D8-ZB15KE-TFD

R404A 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
27.0	1.64	1.69	1.72	1.76	1.78	1.83	1.88	1.92	1.97
32.0	1.89	1.93	1.96	1.98	2.00	2.04	2.09	2.11	2.16
38.0		2.30	2.31	2.31	2.32	2.34	2.37	2.39	2.43
43.0			2.67	2.65	2.64	2.63			
46.0				2.89					
49.0									

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
27.0	2.90	2.96	3.00	3.03	3.07	3.12	3.20	3.24	3.31
32.0	3.19	3.25	3.28	3.31	3.34	3.38	3.45	3.49	3.55
38.0		3.71	3.73	3.74	3.75	3.77	3.82	3.85	3.90
43.0			4.20	4.19	4.17	4.17			
46.0				4.51					
49.0									

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	14.85	18.80	23.30	28.60	34.70	41.80	50.10	53.80	59.80
32.0	14.00	17.90	22.40	27.60	33.60	40.60	48.80	52.50	58.50
38.0		16.60	21.00	26.20	32.10	38.90	47.10	50.70	56.80
43.0			19.60	24.60	30.50	37.30			
46.0				23.60					
49.0									

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