



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit $\pm 0\%$	— Maximum Pressure Limit
— Maximum Evaporating Temperature	

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	1.47	1.85	2.30	2.82	3.41	4.07	4.35	4.80	5.19	
32.0	1.39	1.76	2.18	2.67	3.23	3.86	4.13	4.55	4.92	
38.0		1.64	2.03	2.49	3.02	3.60	3.85	4.25	4.59	
43.0			1.90	2.34	2.83	3.38	3.62	3.99	4.31	
46.0			1.83	2.25	2.72	3.24	3.47	3.82	4.13	
49.0				2.15	2.60	3.11	3.32	3.66	3.96	

50 Hz

MC-D8-ZB15KE-TFD

R134a

Ambient °C	Total Power Input, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	0.91	0.93	0.96	0.99	1.03	1.08	1.10	1.13	1.16	
32.0	1.00	1.02	1.06	1.09	1.13	1.18	1.20	1.23	1.26	
38.0		1.14	1.18	1.22	1.27	1.32	1.34	1.37	1.40	
43.0			1.30	1.34	1.39	1.44	1.46	1.50	1.54	
46.0			1.37	1.42	1.47	1.52	1.55	1.58	1.62	
49.0				1.50	1.56	1.62	1.64	1.68	1.71	

Ambient °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.27	2.29	2.31	2.35	2.39	2.45	2.47	2.51	2.55	
32.0	2.36	2.39	2.42	2.46	2.52	2.58	2.60	2.65	2.69	
38.0		2.53	2.58	2.63	2.69	2.76	2.79	2.84	2.88	
43.0			2.73	2.79	2.86	2.94	2.97	3.02	3.07	
46.0			2.84	2.90	2.98	3.06	3.09	3.15	3.19	
49.0				3.02	3.10	3.19	3.22	3.28	3.33	

Ambient °C	Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	8.57	10.90	13.75	17.20	21.30	26.10	28.20	31.70	34.90	
32.0	8.47	10.80	13.65	17.10	21.10	25.90	28.10	31.50	34.70	
38.0		10.65	13.50	16.90	20.90	25.70	27.80	31.30	34.40	
43.0			13.35	16.70	20.70	25.50	27.60	31.00	34.20	
46.0			13.25	16.60	20.60	25.30	27.40	30.90	34.00	
49.0				16.45	20.40	25.10	27.30	30.70	33.80	

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