



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	4.41	5.36	6.43	7.62	8.93	10.35	11.90	12.55	13.55
32.0	4.06	4.93	5.92	7.03	8.24	9.57	11.00	11.60	12.55
38.0	3.61	4.40	5.29	6.29	7.39	8.60	9.90	10.45	11.30
43.0		3.93	4.74	5.65	6.65	7.75	8.96	9.46	10.25
46.0			4.40	5.25	6.20	7.24			
49.0				4.85					

50 Hz

MC-P8-ZB30KE-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	2.90	2.96	3.03	3.11	3.20	3.30	3.41	3.46	3.54
32.0	3.23	3.30	3.37	3.45	3.54	3.64	3.76	3.81	3.89
38.0	3.68	3.75	3.83	3.91	4.00	4.10	4.22	4.27	4.35
43.0		4.19	4.27	4.35	4.44	4.54	4.65	4.70	4.78
46.0			4.55	4.63	4.72	4.82			
49.0				4.94					

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	6.44	6.55	6.67	6.80	6.95	7.10	7.27	7.34	7.45
32.0	6.88	7.01	7.15	7.29	7.44	7.61	7.78	7.86	7.97
38.0	7.54	7.68	7.83	7.98	8.14	8.32	8.50	8.58	8.70
43.0		8.35	8.50	8.66	8.83	9.01	9.20	9.27	9.39
46.0			8.96	9.12	9.29	9.47			
49.0				9.63					

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	31.80	39.40	48.40	59.00	71.40	86.10	103.50	111.00	124.00
32.0	31.10	38.60	47.50	58.00	70.30	85.00	102.50	110.50	123.50
38.0	30.00	37.40	46.10	56.50	68.80	83.60	101.50	109.50	123.00
43.0		36.20	44.80	55.10	67.50	82.40	100.50	109.00	123.00
46.0			44.00	54.30	66.70	81.80			
49.0				53.40					

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	P8/121
Number of Fans	2
Total Fan Power Input, W	220
Depth/Width, mm	640/950
Height, mm	633
Base mounting (hole dia), mm	915 x 380 (14)
Gross Weight, kg	114
Net Weight, kg	86.5
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.06
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
Sound Pressure @ 10m, dBA	49

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	10.3
Compressor Locked Rotor Current, A	49.3

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	PCR
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