



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	5.32	6.43	7.67	9.04	10.55	12.15	13.85	14.55	15.65
32.0	4.90	5.92	7.05	8.31	9.68	11.15	12.75	13.40	14.45
38.0		5.27	6.29	7.41	8.65	9.98	11.40	12.00	12.95
43.0			5.63	6.64	7.76	8.97			
46.0				6.17					
49.0									

50 Hz

MC-P8-ZB38KE-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	3.71	3.83	3.96	4.11	4.27	4.44	4.62	4.70	4.82
32.0	4.11	4.24	4.37	4.52	4.69	4.86	5.05	5.13	5.25
38.0		4.78	4.92	5.07	5.23	5.41	5.60	5.68	5.81
43.0			5.42	5.57	5.73	5.91			
46.0				5.89					
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	8.28	8.46	8.66	8.87	9.10	9.36	9.63	9.74	9.92
32.0	8.88	9.08	9.30	9.53	9.77	10.04	10.32	10.44	10.63
38.0		9.98	10.21	10.45	10.71	10.99	11.29	11.41	11.60
43.0			11.11	11.36	11.63	11.91			
46.0				11.97					
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	39.30	48.60	59.60	72.50	87.70	105.50	127.00	137.00	153.00
32.0	38.50	47.60	58.50	71.30	86.40	104.50	126.00	136.00	152.50
38.0		46.30	56.90	69.60	84.60	103.00	125.00	135.00	152.00
43.0			55.50	68.10	83.20	101.50			
46.0				67.20					
49.0									

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	116
Net Weight, kg	89
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	12.8
Compressor Locked Rotor Current, A	65.5

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