



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 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		5.77	7.14	8.60	10.15	11.90	13.80	14.60	15.85
32.0			6.62	8.01	9.51	11.15	12.90	13.65	14.85
38.0				7.31	8.71	10.20			
43.0				6.75					
46.0									
49.0									

50 Hz

MC-P8-ZB38KE-TFD

R449A 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		3.53	3.70	3.88	4.09	4.34	4.64	4.78	5.00
32.0			4.14	4.33	4.55	4.81	5.12	5.26	5.49
38.0				4.93	5.16	5.43			
43.0				5.49					
46.0									
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		6.57	6.76	6.93	7.13	7.40	7.79	7.98	8.33
32.0			7.27	7.44	7.63	7.89	8.26	8.45	8.77
38.0				8.15	8.32	8.55			
43.0				8.83					
46.0									
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		33.90	43.00	53.40	65.30	79.50	96.60	104.50	117.50
32.0			42.00	52.40	64.40	78.70	96.00	104.00	117.50
38.0				51.40	63.50	78.00			
43.0				50.70					
46.0									
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