



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- 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	3.69	4.79	5.94	7.18	8.53	10.05	11.70	12.40	13.55
32.0		4.42	5.53	6.71	7.99	9.41	11.00	11.65	12.75
38.0			5.03	6.14	7.34	8.67	10.15	10.75	11.75
43.0				5.68	6.81	8.05			
46.0				5.41	6.50				
49.0									

50 Hz

MC-P8-ZB30KE-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	2.61	2.72	2.82	2.94	3.07	3.23	3.43	3.52	3.67
32.0		3.05	3.16	3.28	3.42	3.58	3.78	3.88	4.03
38.0			3.61	3.74	3.88	4.05	4.26	4.35	4.51
43.0				4.16	4.31	4.49			
46.0				4.44	4.59				
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	6.76	6.99	7.14	7.28	7.46	7.71	8.09	8.28	8.63
32.0		7.49	7.66	7.80	7.96	8.21	8.57	8.76	9.10
38.0			8.39	8.52	8.67	8.89	9.22	9.40	9.71
43.0				9.21	9.33	9.52			
46.0				9.67	9.77				
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	20.80	27.50	34.90	43.20	52.80	64.20	77.90	84.20	94.60
32.0		26.60	34.10	42.40	52.10	63.50	77.30	83.60	94.20
38.0			33.10	41.50	51.30	62.80	76.70	83.20	94.10
43.0				40.90	50.70	62.40			
46.0				40.60	50.50				
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	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