



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return      — 10 K Suction Superheat
- Maximum Evaporating Temperature      — Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	12.5
27.0	3.67	4.50	5.47	6.60	7.90	9.38	11.05	11.75	12.90	13.90
32.0	3.39	4.20	5.13	6.19	7.42	8.82	10.40	11.05	12.15	13.10
38.0			4.67	5.68	6.82	8.12	9.59	10.25	11.25	12.10
43.0				5.21	6.29	7.52	8.90	9.50	10.45	11.30
46.0					5.96	7.14	8.48	9.06	9.98	
49.0						6.76				

50 Hz

MC-P8-ZB30KE-TFD

R407C 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	12.5
27.0	2.36	2.53	2.67	2.80	2.93	3.08	3.26	3.34	3.47	3.60
32.0	2.59	2.79	2.96	3.11	3.26	3.42	3.60	3.69	3.83	3.95
38.0			3.35	3.54	3.71	3.88	4.08	4.17	4.31	4.45
43.0				3.92	4.12	4.32	4.53	4.62	4.78	4.91
46.0					4.39	4.60	4.82	4.92	5.08	
49.0						4.89				

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	12.5
27.0	4.41	4.69	4.89	5.05	5.21	5.40	5.68	5.81	6.06	6.30
32.0	4.69	5.00	5.22	5.41	5.59	5.80	6.09	6.23	6.49	6.74
38.0			5.77	5.97	6.18	6.41	6.71	6.86	7.12	7.38
43.0				6.59	6.81	7.05	7.36	7.52	7.79	8.05
46.0					7.25	7.50	7.82	7.98	8.25	
49.0						8.02				

Ambient °C	Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	22.60	27.60	33.50	40.30	48.40	57.70	68.50	73.30	81.00	87.90
32.0	22.00	27.10	33.00	39.80	47.80	57.00	67.80	72.50	80.20	87.20
38.0			32.20	39.00	46.90	56.20	66.90	71.60	79.40	86.40
43.0				38.10	46.10	55.30	66.10	70.90	78.70	85.80
46.0					45.40	54.70	65.60	70.40	78.30	
49.0						54.10				

### **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 <sup>3</sup> /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