



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	3.93	4.90	6.05	7.39	8.89	10.55	11.30	12.40	13.35	
32.0	3.65	4.58	5.67	6.93	8.36	9.94	10.60	11.65	12.55	
38.0		4.17	5.19	6.37	7.69	9.15	9.77	10.75	11.60	
43.0			4.78	5.87	7.10	8.46	9.04	9.95	10.75	
46.0			4.52	5.57	6.74	8.04	8.60	9.46	10.20	
49.0				5.25	6.37	7.61	8.14	8.96	9.68	

Additional restrictions, please see application guidelines

50 Hz

MC-P8-ZB38KE-TFD

R513A

Ambient °C	Total Power Input, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.23	2.27	2.32	2.38	2.45	2.55	2.59	2.67	2.74	
32.0	2.45	2.50	2.55	2.62	2.70	2.79	2.84	2.91	2.97	
38.0		2.80	2.87	2.94	3.02	3.11	3.16	3.23	3.29	
43.0			3.15	3.23	3.31	3.41	3.45	3.52	3.59	
46.0			3.33	3.41	3.50	3.60	3.64	3.71	3.77	
49.0				3.61	3.70	3.80	3.84	3.91	3.97	

Ambient °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	6.25	6.30	6.36	6.45	6.56	6.70	6.76	6.86	6.96	
32.0	6.58	6.63	6.70	6.78	6.89	7.03	7.09	7.19	7.29	
38.0		7.05	7.13	7.22	7.33	7.47	7.53	7.64	7.74	
43.0			7.52	7.63	7.75	7.89	7.96	8.07	8.17	
46.0			7.78	7.90	8.02	8.17	8.24	8.35	8.45	
49.0				8.19	8.32	8.48	8.55	8.66	8.77	

Ambient °C	Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	26.20	33.10	41.70	52.00	64.20	78.60	85.10	95.60	105.00	
32.0	25.50	32.50	41.10	51.30	63.50	77.90	84.40	94.90	104.50	
38.0		31.60	40.10	50.40	62.50	76.80	83.20	93.70	103.00	
43.0			39.20	49.30	61.40	75.70	82.10	92.50	102.00	
46.0			38.50	48.60	60.60	74.80	81.20	91.60	101.00	
49.0				47.80	59.70	73.90	80.30	90.70	100.50	

Additional restrictions, please see application guidelines

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

Additional restrictions, please see application guidelines