



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit ± 0 %	— 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	2.83	3.59	4.50	5.57	6.80	8.20	8.81	9.77	10.60	11.50
32.0	2.66	3.39	4.26	5.28	6.46	7.79	8.37	9.29	10.10	10.95
38.0		3.13	3.95	4.91	6.02	7.28	7.83	8.70	9.46	10.25
43.0		2.92	3.69	4.60	5.65	6.84	7.36	8.19	8.91	9.68
46.0			3.54	4.41	5.42	6.58	7.08	7.87	8.58	9.32
49.0			3.38	4.22	5.19	6.30	6.79	7.56	8.24	8.95

50 Hz

MC-P8-ZB30KE-TFD

R134a

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	1.66	1.70	1.74	1.80	1.86	1.93	1.96	2.01	2.06	2.11
32.0	1.82	1.86	1.91	1.96	2.03	2.11	2.14	2.19	2.24	2.29
38.0		2.08	2.13	2.20	2.27	2.35	2.38	2.44	2.49	2.54
43.0		2.28	2.34	2.41	2.49	2.58	2.61	2.67	2.72	2.78
46.0			2.48	2.55	2.63	2.72	2.76	2.82	2.88	2.93
49.0			2.62	2.70	2.79	2.88	2.92	2.98	3.04	3.10

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	3.53	3.55	3.58	3.62	3.68	3.76	3.79	3.84	3.89	3.95
32.0	3.67	3.70	3.74	3.80	3.86	3.94	3.98	4.04	4.09	4.15
38.0		3.92	3.98	4.04	4.12	4.21	4.25	4.32	4.37	4.44
43.0		4.13	4.20	4.28	4.37	4.47	4.52	4.59	4.65	4.72
46.0			4.36	4.45	4.54	4.65	4.70	4.77	4.84	4.91
49.0			4.53	4.62	4.73	4.84	4.89	4.97	5.04	5.11

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	18.80	23.50	29.20	35.80	43.40	52.10	55.80	61.90	67.20	72.80
32.0	18.55	23.30	29.00	35.50	43.10	51.80	55.60	61.60	66.90	72.50
38.0		23.00	28.60	35.20	42.80	51.40	55.20	61.20	66.50	72.10
43.0		22.70	28.30	34.80	42.40	51.00	54.70	60.70	66.00	71.70
46.0			28.10	34.60	42.10	50.70	54.40	60.40	65.70	71.30
49.0			27.90	34.30	41.80	50.40	54.10	60.10	65.40	71.00

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