



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit $\pm 0\%$	— 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	3.57	4.49	5.57	6.83	8.26	9.86	10.55	11.65	12.55	
32.0	3.38	4.25	5.29	6.48	7.84	9.36	10.00	11.05	11.90	
38.0		3.96	4.93	6.05	7.31	8.73	9.34	10.30	11.10	
43.0			4.62	5.67	6.86	8.19	8.76	9.65	10.45	
46.0			4.44	5.44	6.59	7.86	8.41	9.26	10.00	
49.0				5.21	6.31	7.53	8.05	8.87	9.58	

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	2.12	2.17	2.23	2.31	2.41	2.52	2.57	2.64	2.71	
32.0	2.32	2.38	2.46	2.54	2.64	2.76	2.81	2.89	2.96	
38.0		2.67	2.75	2.85	2.96	3.08	3.13	3.22	3.29	
43.0			3.03	3.13	3.25	3.38	3.44	3.52	3.60	
46.0			3.21	3.32	3.44	3.58	3.64	3.72	3.80	
49.0				3.52	3.65	3.79	3.85	3.94	4.02	

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	5.60	5.65	5.71	5.80	5.91	6.05	6.11	6.21	6.30	
32.0	5.83	5.90	5.98	6.09	6.21	6.37	6.43	6.54	6.64	
38.0		6.26	6.37	6.50	6.65	6.82	6.89	7.01	7.12	
43.0			6.75	6.90	7.07	7.26	7.34	7.47	7.58	
46.0			7.00	7.17	7.35	7.55	7.64	7.78	7.89	
49.0				7.46	7.66	7.88	7.97	8.11	8.23	

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	20.80	26.50	33.40	41.70	51.60	63.30	68.50	76.90	84.60	
32.0	20.60	26.20	33.20	41.50	51.30	62.90	68.10	76.50	84.20	
38.0		25.90	32.80	41.00	50.80	62.40	67.50	75.90	83.60	
43.0			32.40	40.60	50.30	61.80	67.00	75.30	83.00	
46.0			32.20	40.30	50.00	61.40	66.60	74.90	82.60	
49.0				40.00	49.60	61.00	66.20	74.50	82.10	

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	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