



Minimum Evaporating Temp. With:	
— 20 °C Suction Gas Return ASERCOM certified	— 25 °C Suction Gas Return
— 10 K Suction Superheat	
— Maximum Evaporating Temperature	— Maximum Pressure Limit

Suction Return Temperature 20.0°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	2.37	2.86	3.41	4.01	4.66	5.35	6.08	6.38	6.84
32.0	2.18	2.63	3.13	3.68	4.27	4.90	5.57	5.84	6.26
38.0		2.34	2.78	3.26	3.78	4.34	4.93	5.17	
43.0				2.90					
46.0									
49.0									

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	1.92	1.98	2.06	2.13	2.22	2.31	2.41	2.46	2.53
32.0	2.15	2.22	2.29	2.37	2.45	2.54	2.64	2.69	2.75
38.0		2.54	2.61	2.68	2.77	2.86	2.95	2.99	
43.0				2.98					
46.0									
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	3.78	3.88	3.99	4.10	4.23	4.36	4.49	4.55	4.63
32.0	4.07	4.18	4.29	4.41	4.55	4.68	4.82	4.88	4.96
38.0		4.62	4.73	4.86	5.00	5.13	5.28	5.33	
43.0				5.30					
46.0									
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	17.65	21.80	26.80	32.60	39.50	47.60	57.30	61.60	68.90
32.0	17.25	21.40	26.30	32.10	38.90	47.00	56.60	61.00	68.40
38.0		20.90	25.70	31.40	38.10	46.10	55.90	60.40	
43.0				30.70					
46.0									
49.0									

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	D8/121
Number of Fans	1
Total Fan Power Input, W	110
Depth/Width, mm	570/560
Height, mm	446
Gross Weight, kg	59
Net Weight, kg	49
Receiver Capacity, l	3.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	0.44
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
Base mounting (hole dia), mm	530 x 330 (11)
Sound Pressure @ 10m, dBA	46

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	6.5
Compressor Locked Rotor Current, A	32

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	BD
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