



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								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		2.31	2.87	3.50	4.19	4.95	5.76	6.10	6.64
32.0		2.13	2.66	3.25	3.89	4.59	5.34	5.66	6.15
38.0			2.37	2.90	3.48	4.11	4.79	5.08	5.52
43.0				2.58	3.11	3.68			
46.0				2.36					
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		1.52	1.56	1.62	1.68	1.76	1.85	1.89	1.96
32.0		1.76	1.80	1.84	1.90	1.98	2.07	2.11	2.17
38.0			2.13	2.17	2.23	2.30	2.38	2.41	2.47
43.0				2.51	2.55	2.61			
46.0				2.73					
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		2.87	2.92	2.97	3.05	3.14	3.25	3.30	3.38
32.0		3.15	3.19	3.25	3.32	3.41	3.52	3.58	3.66
38.0			3.61	3.66	3.73	3.82	3.93	3.98	4.06
43.0				4.09	4.15	4.23			
46.0				4.39					
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		13.30	16.95	21.20	26.10	31.90	38.70	41.80	46.80
32.0		12.90	16.55	20.70	25.50	31.20	37.90	40.90	45.80
38.0			15.75	19.80	24.50	30.00	36.60	39.50	44.30
43.0				18.75	23.30	28.70			
46.0				17.95					
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
Base mounting (hole dia), mm	530 x 330 (11)
Gross Weight, kg	58
Net Weight, kg	48
Receiver Capacity, l	3.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	0.44
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
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	4.9
Compressor Locked Rotor Current, A	26

### **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