



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	2.78	3.50	4.32	5.23	6.25	7.36	8.56	9.06	9.84
32.0		3.28	4.05	4.91	5.86	6.89	8.00	8.47	9.19
38.0			3.71	4.49	5.36	6.29	7.31	7.73	8.38
43.0				4.12	4.91	5.77			
46.0				3.88	4.63				
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	2.01	2.08	2.16	2.25	2.37	2.50	2.65	2.72	2.82
32.0		2.33	2.42	2.52	2.63	2.77	2.92	2.99	3.10
38.0			2.78	2.88	3.00	3.14	3.30	3.36	3.47
43.0				3.23	3.35	3.49			
46.0				3.47	3.58				
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	3.77	3.85	3.96	4.08	4.23	4.39	4.56	4.64	4.76
32.0		4.18	4.28	4.40	4.54	4.70	4.87	4.94	5.06
38.0			4.71	4.82	4.95	5.10	5.26	5.33	5.43
43.0				5.20	5.32	5.45			
46.0				5.43	5.55				
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	15.70	20.10	25.30	31.40	38.50	46.90	56.70	61.10	68.20
32.0		19.75	24.90	31.00	38.00	46.30	56.00	60.30	67.40
38.0			24.40	30.30	37.30	45.40	54.90	59.20	66.20
43.0				29.60	36.40	44.40			
46.0				29.00	35.80				
49.0									

### **CONDENSING UNIT MECHANICAL AND PHYSICAL DATA**

Condenser/Fan Type	K9/121
Number of Fans	2
Total Fan Power Input, W	220
Depth/Width, mm	640/950
Height, mm	454
Base mounting (hole dia), mm	915 x 380 (14)
Gross Weight, kg	88
Net Weight, kg	67.5
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m <sup>3</sup> /s	0.89
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
Sound Pressure @ 10m, dBA	48

### **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	7.2
Compressor Locked Rotor Current, A	40

### **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	FK
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