



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		3.91	4.80	5.81	6.92	8.14	9.47	10.00	10.90
32.0		3.63	4.48	5.43	6.48	7.63	8.88	9.41	10.20
38.0			4.09	4.97	5.95	7.02	8.18	8.67	
43.0				4.61	5.52				
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		2.46	2.56	2.68	2.82	2.97	3.12	3.19	3.29
32.0		2.74	2.84	2.96	3.09	3.24	3.40	3.46	3.56
38.0			3.21	3.33	3.46	3.60	3.75	3.81	
43.0				3.66	3.79				
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		4.50	4.63	4.78	4.94	5.13	5.34	5.42	5.56
32.0		4.84	4.97	5.13	5.30	5.49	5.69	5.78	5.91
38.0			5.45	5.60	5.77	5.96	6.17	6.25	
43.0				6.05	6.22				
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		22.70	28.50	35.40	43.60	53.20	64.50	69.60	78.00
32.0		22.10	28.00	34.80	43.00	52.60	64.00	69.10	77.60
38.0			27.30	34.20	42.40	52.00	63.60	68.90	
43.0				33.80	42.00				
46.0									
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	68
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /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	8.9
Compressor Locked Rotor Current, A	46

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