



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 10 K Suction Superheat
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	12.5
27.0	2.38	3.08	3.87	4.77	5.78	6.91	8.16	8.69	9.52	10.25
32.0	2.19	2.85	3.60	4.46	5.42	6.50	7.69	8.20	9.01	9.71
38.0			3.26	4.06	4.96	5.97	7.10	7.59	8.35	9.02
43.0				3.70	4.55	5.51	6.58	7.04	7.77	8.40
46.0					4.30	5.22	6.25	6.70	7.40	
49.0						4.91	5.91			

50 Hz

MC-K9-ZB21KE-TFD

R407C Dew Point

Ambient °C	Total Power Input, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	1.84	1.91	1.98	2.05	2.13	2.22	2.33	2.38	2.46	2.53
32.0	2.05	2.12	2.20	2.28	2.37	2.47	2.58	2.63	2.71	2.79
38.0			2.51	2.59	2.69	2.80	2.92	2.97	3.06	3.14
43.0				2.89	3.00	3.11	3.24	3.30	3.39	3.48
46.0					3.20	3.31	3.45	3.51	3.60	
49.0						3.53	3.67			

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	12.5
27.0	3.16	3.24	3.30	3.36	3.43	3.52	3.64	3.70	3.80	3.91
32.0	3.36	3.45	3.52	3.59	3.67	3.77	3.90	3.97	4.08	4.19
38.0			3.86	3.94	4.02	4.13	4.28	4.35	4.48	4.60
43.0				4.30	4.39	4.51	4.67	4.75	4.88	5.01
46.0					4.65	4.77	4.94	5.02	5.15	
49.0						5.07	5.23			

Ambient °C	Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	14.60	18.80	23.60	29.00	35.20	42.30	50.30	53.80	59.40	64.30
32.0	14.15	18.30	23.00	28.50	34.70	41.80	49.90	53.40	59.10	64.10
38.0			22.30	27.70	33.90	41.00	49.20	52.80	58.50	63.70
43.0				26.90	33.00	40.20	48.40	52.10	57.90	63.30
46.0					32.50	39.60	47.90	51.60	57.50	
49.0						38.90	47.30			

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 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	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