



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- 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	3.19	3.87	4.64	5.49	6.41	7.41	8.47	8.91	9.59
32.0	2.95	3.58	4.28	5.06	5.91	6.82	7.79	8.20	8.82
38.0	2.64	3.20	3.83	4.52	5.27	6.09	6.95	7.32	7.87
43.0			3.43	4.05	4.72	5.45	6.23	6.56	
46.0			3.18	3.76	4.38				
49.0									

50 Hz

MC-K9-ZB21KE-TFD

R404A 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
27.0	2.24	2.30	2.37	2.45	2.53	2.61	2.70	2.74	2.80
32.0	2.49	2.56	2.63	2.71	2.79	2.87	2.96	3.00	3.06
38.0	2.84	2.91	2.98	3.06	3.14	3.22	3.31	3.35	3.40
43.0			3.31	3.39	3.47	3.55	3.63	3.67	
46.0			3.53	3.60	3.68				
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	4.35	4.44	4.53	4.63	4.73	4.85	4.97	5.02	5.10
32.0	4.66	4.76	4.86	4.96	5.08	5.19	5.32	5.37	5.45
38.0	5.11	5.22	5.33	5.44	5.56	5.68	5.81	5.86	5.94
43.0			5.80	5.91	6.03	6.15	6.28	6.33	
46.0			6.11	6.23	6.35				
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	23.20	28.80	35.40	43.10	52.20	62.70	75.10	80.70	89.90
32.0	22.80	28.30	34.80	42.40	51.30	61.80	74.10	79.70	88.90
38.0	22.20	27.60	33.90	41.40	50.10	60.50	72.80	78.50	87.80
43.0			33.10	40.40	49.00	59.30	71.80	77.50	
46.0			32.50	39.70	48.30				
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 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