



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat
— 25 °C Suction Gas Return with Voltage limit ± 0 %	— Maximum Pressure Limit
— Maximum Evaporating Temperature	

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	2.48	3.11	3.87	4.74	5.74	6.85	7.33	8.08	8.74	
32.0	2.34	2.95	3.67	4.50	5.44	6.50	6.95	7.67	8.29	
38.0		2.75	3.42	4.20	5.08	6.07	6.49	7.16	7.74	
43.0			3.21	3.94	4.77	5.70	6.09	6.72	7.26	
46.0			3.08	3.78	4.58	5.47	5.85	6.45	6.97	
49.0				3.62	4.38	5.24	5.60	6.17	6.67	

50 Hz

MC-K9-ZB26KE-TFD

R134a

Ambient °C	Total Power Input, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	1.50	1.54	1.58	1.63	1.69	1.76	1.80	1.84	1.89	
32.0	1.64	1.68	1.72	1.78	1.85	1.92	1.96	2.01	2.06	
38.0		1.87	1.92	1.99	2.06	2.14	2.18	2.23	2.28	
43.0			2.11	2.18	2.26	2.35	2.38	2.44	2.49	
46.0			2.23	2.31	2.39	2.48	2.51	2.57	2.63	
49.0				2.44	2.53	2.62	2.66	2.72	2.77	

Ambient °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	3.42	3.45	3.49	3.54	3.60	3.69	3.72	3.78	3.84	
32.0	3.56	3.60	3.65	3.71	3.79	3.88	3.92	3.98	4.04	
38.0		3.82	3.88	3.96	4.05	4.15	4.20	4.27	4.33	
43.0			4.11	4.20	4.31	4.42	4.47	4.55	4.61	
46.0			4.27	4.37	4.48	4.60	4.65	4.73	4.80	
49.0				4.55	4.67	4.79	4.85	4.93	5.00	

Ambient °C	Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	14.40	18.35	23.10	28.90	35.70	43.80	47.40	53.30	58.60	
32.0	14.25	18.15	23.00	28.70	35.50	43.60	47.20	53.00	58.30	
38.0		17.95	22.70	28.40	35.20	43.20	46.80	52.60	57.90	
43.0			22.40	28.10	34.80	42.80	46.40	52.20	57.50	
46.0			22.30	27.90	34.60	42.60	46.10	51.90	57.20	
49.0				27.70	34.40	42.30	45.80	51.60	56.90	

### **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 <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	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