



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- 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	6.85	8.81	10.85	13.00	15.30	17.75	20.30	21.40	23.10
32.0	5.94	7.90	9.89	11.95	14.10	16.40	18.80	19.75	21.30
38.0		6.67	8.62	10.60	12.60	14.70	16.85	17.75	19.15
43.0			7.45	9.34	11.25	13.20	15.20	16.00	
46.0			6.70	8.55	10.40				
49.0									

50 Hz

MC-S9-ZB50KE-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	5.01	5.18	5.35	5.53	5.71	5.90	6.11	6.19	6.32
32.0	5.58	5.75	5.93	6.10	6.29	6.47	6.67	6.74	6.87
38.0		6.55	6.73	6.90	7.07	7.25	7.43	7.50	7.61
43.0			7.49	7.66	7.82	7.98	8.15	8.21	
46.0			8.00	8.17	8.32				
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	9.52	9.70	9.89	10.09	10.30	10.52	10.76	10.86	11.01
32.0	10.15	10.35	10.55	10.76	10.98	11.20	11.44	11.54	11.69
38.0		11.31	11.53	11.74	11.96	12.18	12.41	12.51	12.66
43.0			12.50	12.72	12.93	13.15	13.37	13.46	
46.0			13.17	13.39	13.60				
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	49.40	65.20	82.60	102.00	124.50	150.00	180.50	194.00	216.00
32.0	45.50	62.00	80.00	100.00	122.50	148.50	178.50	192.50	215.00
38.0		56.80	75.70	96.40	119.50	146.00	176.50	190.50	213.00
43.0			70.90	92.40	116.00	143.00	175.00	189.50	
46.0			67.20	89.50	114.00				
49.0									

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

Condenser/Fan Type	S9/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	820/1130
Height, mm	703
Base mounting (hole dia), mm	1095 x 475 (14)
Gross Weight, kg	134
Net Weight, kg	113
Receiver Capacity, l	11.7
Liquid Line, inch	5/8
Air Flow, m <sup>3</sup> /s	1.94
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	50

### **CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

Condenser Fan Current for 1 fan (single phase)	1.15 / 1.4
Compressor Maximum Operating Current, A	14.6
Compressor Locked Rotor Current, A	100

### **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	RSQR
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