



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
27.0			10.95	13.45	16.15	19.00	22.10	23.40
32.0			10.10	12.50	15.05	17.80	20.80	22.00
38.0					13.65	16.25	19.00	20.20
43.0						14.90		
46.0								
49.0								

50 Hz

MC-S9-ZB58KE-TFD

R449A Dew Point

Ambient °C	Total Power Input, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0			5.51	5.76	6.05	6.41	6.82	7.01
32.0			6.13	6.39	6.71	7.07	7.50	7.69
38.0					7.55	7.93	8.37	8.57
43.0						8.69		
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
27.0			10.76	10.94	11.17	11.46	11.83	12.01
32.0			11.24	11.45	11.72	12.06	12.49	12.69
38.0					12.52	12.95	13.47	13.71
43.0						13.85		
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
27.0			64.90	81.80	101.00	124.00	150.00	162.00
32.0			62.60	79.80	99.60	122.50	149.00	161.00
38.0					96.70	120.00	147.50	159.50
43.0						117.00		
46.0								
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

**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	15.6
Compressor Locked Rotor Current, A	95

**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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00