



Minimum Evaporating Temp. With:

█ 20 °C Suction Gas Return Liquid injection

█ Maximum Evaporating Temperature

█ Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	4.99	6.43	8.08	9.97	12.10	14.45	17.05	19.85
32.0	4.68	6.06	7.63	9.40	11.40	13.60	16.00	18.60
38.0	4.30	5.59	7.04	8.67	10.50	12.50		
43.0	3.98	5.19	6.53	8.03				
46.0	3.79	4.94						
49.0								

50 Hz

MC-S9-ZF34K5-TFD

R449A Dew Point

Ambient °C	Total Power Input, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	4.88	5.05	5.31	5.68	6.15	6.73	7.42	8.24
32.0	5.42	5.60	5.90	6.30	6.81	7.44	8.19	9.07
38.0	6.21	6.41	6.74	7.18	7.74	8.44		
43.0	7.00	7.22	7.57	8.05				
46.0	7.54	7.78						
49.0								

Ambient °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	10.86	11.03	11.32	11.75	12.34	13.11	14.12	15.40
32.0	11.54	11.72	12.05	12.55	13.24	14.14	15.31	16.79
38.0	12.53	12.76	13.16	13.77	14.60	15.69		
43.0	13.56	13.85	14.34	15.06				
46.0	14.30	14.63						
49.0								

Ambient °C	Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0	27.60	36.00	46.10	58.00	72.00	88.60	108.00	130.50
32.0	27.20	35.70	45.70	57.50	71.40	87.70	107.00	129.50
38.0	26.60	35.10	45.00	56.70	70.40	86.50		
43.0	26.10	34.60	44.40	55.90				
46.0	25.90	34.30						
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	1130/720
Height, mm	703
Gross Weight, kg	161
Net Weight, kg	141
Receiver Capacity, l	11.7
Liquid Line, inch	5/8
Air Flow, m ³ /s	1.94
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	55

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	25
Compressor Locked Rotor Current, A	100

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	Capillary Tube
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 FSX42S

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	460 V / 3~ / 60 Hz	460		Y	1.04