



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	5.38	6.83	8.53	10.50	12.70	15.20	16.30	18.00	19.50	21.10
32.0	5.04	6.42	8.04	9.91	12.05	14.45	15.50	17.10	18.55	20.10
38.0		5.93	7.45	9.20	11.20	13.45	14.45	16.00	17.35	18.80
43.0			6.95	8.60	10.50	12.65	13.55	15.05	16.35	17.70
46.0			6.64	8.23	10.05	12.15	13.05	14.45	15.70	17.05
49.0			6.34	7.86	9.62	11.60	12.50	13.85	15.10	16.35

50 Hz	MC-S9-ZB58KE-TFD	R134a
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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	3.36	3.38	3.48	3.62	3.79	3.95	4.02	4.10	4.15	4.19
32.0	3.68	3.72	3.82	3.96	4.13	4.30	4.37	4.45	4.51	4.55
38.0		4.15	4.26	4.42	4.59	4.77	4.83	4.92	4.98	5.02
43.0			4.66	4.83	5.01	5.20	5.26	5.35	5.42	5.46
46.0			4.91	5.09	5.28	5.47	5.54	5.63	5.70	5.74
49.0			5.18	5.36	5.56	5.75	5.83	5.92	5.99	6.04

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	8.71	8.81	8.92	9.03	9.13	9.20	9.23	9.26	9.27	9.28
32.0	8.96	9.09	9.21	9.33	9.44	9.54	9.57	9.61	9.64	9.65
38.0		9.45	9.60	9.75	9.88	10.01	10.05	10.11	10.15	10.18
43.0			9.97	10.15	10.31	10.46	10.52	10.59	10.65	10.70
46.0			10.22	10.41	10.59	10.76	10.82	10.91	10.98	11.04
49.0			10.47	10.69	10.89	11.08	11.15	11.25	11.33	11.40

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	36.00	45.20	55.80	68.10	82.20	98.10	105.00	116.00	125.50	136.00
32.0	35.50	44.60	55.30	67.60	81.60	97.50	104.50	115.50	125.00	135.50
38.0		44.00	54.50	66.80	80.80	96.70	103.50	114.50	124.50	134.50
43.0			53.90	66.00	80.00	95.80	102.50	113.50	123.50	134.00
46.0			53.40	65.50	79.40	95.20	102.00	113.00	123.00	133.00
49.0			53.00	65.00	78.80	94.60	101.50	112.50	122.50	132.50

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 ³ /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

<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