



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	4.83	6.13	7.66	9.44	11.45	13.75	14.70	16.25	17.65	19.05
32.0	4.55	5.78	7.24	8.93	10.85	13.05	14.00	15.50	16.80	18.15
38.0		5.36	6.72	8.31	10.10	12.20	13.10	14.50	15.75	17.05
43.0		5.02	6.28	7.77	9.49	11.45	12.30	13.65	14.85	16.10
46.0			6.02	7.45	9.11	11.00	11.80	13.15	14.30	15.50
49.0			5.75	7.12	8.71	10.55	11.35	12.60	13.70	14.90

50 Hz

MC-S9-ZB50KE-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	3.00	3.03	3.12	3.23	3.37	3.50	3.55	3.61	3.65	3.67
32.0	3.28	3.32	3.41	3.54	3.67	3.80	3.85	3.91	3.95	3.98
38.0		3.70	3.80	3.93	4.07	4.21	4.26	4.32	4.36	4.39
43.0		4.04	4.15	4.29	4.44	4.58	4.63	4.70	4.74	4.77
46.0			4.37	4.52	4.68	4.82	4.88	4.94	4.99	5.02
49.0			4.60	4.76	4.92	5.07	5.13	5.20	5.25	5.28

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	7.70	7.74	7.83	7.95	8.06	8.15	8.18	8.20	8.20	8.19
32.0	7.93	7.97	8.06	8.18	8.30	8.41	8.44	8.48	8.50	8.50
38.0		8.28	8.38	8.52	8.66	8.79	8.83	8.89	8.92	8.94
43.0		8.59	8.70	8.85	9.01	9.16	9.22	9.29	9.34	9.37
46.0			8.92	9.08	9.25	9.42	9.48	9.56	9.62	9.66
49.0			9.16	9.32	9.51	9.70	9.77	9.86	9.93	9.98

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	32.10	40.20	49.80	60.70	73.30	87.40	93.50	103.00	112.00	121.00
32.0	31.80	39.90	49.30	60.30	72.80	86.90	93.10	103.00	111.50	120.50
38.0		39.40	48.80	59.70	72.10	86.20	92.40	102.00	111.00	120.00
43.0		39.10	48.30	59.00	71.40	85.50	91.70	101.50	110.00	119.50
46.0			48.00	58.60	71.00	85.00	91.20	101.00	109.50	119.00
49.0			47.60	58.20	70.40	84.50	90.60	100.50	109.00	118.50

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
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