



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	5.30	6.71	8.36	10.25	12.40	14.80	15.80	17.45	18.85	20.30
32.0	4.96	6.30	7.87	9.68	11.70	14.00	15.00	16.55	17.90	19.30
38.0		5.81	7.28	8.97	10.90	13.05	13.95	15.40	16.70	18.05
43.0			6.78	8.36	10.15	12.20	13.10	14.45	15.70	16.95
46.0			6.47	8.00	9.73	11.70	12.55	13.90	15.05	16.30
49.0				7.62	9.29	11.20	12.00	13.30	14.40	15.60

50 Hz	MC-R7-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	3.44	3.48	3.59	3.76	3.95	4.15	4.22	4.32	4.39	4.45
32.0	3.77	3.82	3.94	4.11	4.31	4.51	4.58	4.69	4.76	4.83
38.0		4.26	4.39	4.57	4.78	4.99	5.07	5.18	5.26	5.32
43.0			4.80	4.99	5.21	5.43	5.51	5.63	5.71	5.78
46.0			5.06	5.26	5.49	5.71	5.80	5.91	6.00	6.07
49.0				5.54	5.77	6.00	6.09	6.21	6.30	6.38

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	8.77	8.89	9.02	9.15	9.27	9.38	9.42	9.48	9.52	9.55
32.0	9.03	9.17	9.31	9.46	9.61	9.74	9.79	9.86	9.91	9.96
38.0		9.55	9.72	9.90	10.07	10.24	10.30	10.40	10.47	10.53
43.0			10.11	10.31	10.52	10.72	10.80	10.91	11.00	11.08
46.0			10.36	10.59	10.81	11.03	11.12	11.24	11.35	11.44
49.0				10.87	11.12	11.37	11.46	11.60	11.72	11.83

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	35.90	45.00	55.60	67.90	81.90	97.80	104.50	115.50	125.50	135.50
32.0	35.40	44.50	55.10	67.30	81.30	97.20	104.00	115.00	124.50	135.00
38.0		43.80	54.30	66.50	80.40	96.20	103.00	114.00	124.00	134.00
43.0			53.60	65.70	79.60	95.30	102.00	113.00	123.00	133.00
46.0			53.20	65.20	79.00	94.70	101.50	112.50	122.00	132.50
49.0				64.60	78.30	94.00	101.00	112.00	121.50	132.00

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	R7/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	820/1130
Height, mm	621
Base mounting (hole dia), mm	1095 x 350 (14)
Gross Weight, kg	131
Net Weight, kg	110
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.97
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