



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- 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	10.0
27.0	6.36	7.71	9.22	10.90	12.70	14.65	16.75	17.65	19.00
32.0	5.87	7.11	8.50	10.05	11.70	13.50	15.45	16.30	17.55
38.0	5.26	6.37	7.61	8.98	10.50	12.10	13.90	14.60	15.75
43.0			6.86	8.10	9.45	10.95	12.55		
46.0			6.40	7.56	8.83				
49.0									

50 Hz

MC-R7-ZB45KE-TFD

R404A Dew Point

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	4.40	4.52	4.64	4.78	4.93	5.09	5.26	5.34	5.45
32.0	4.85	4.98	5.11	5.25	5.40	5.57	5.74	5.81	5.93
38.0	5.44	5.58	5.73	5.87	6.03	6.19	6.36	6.43	6.54
43.0			6.28	6.43	6.59	6.75	6.92		
46.0			6.64	6.79	6.94				
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	10.0
27.0	8.31	8.48	8.66	8.85	9.06	9.29	9.53	9.63	9.78
32.0	8.91	9.09	9.29	9.49	9.71	9.95	10.20	10.30	10.46
38.0	9.76	9.97	10.18	10.40	10.64	10.88	11.14	11.24	11.41
43.0			11.07	11.30	11.53	11.78	12.04		
46.0			11.66	11.90	12.13				
49.0									

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0	46.40	57.50	70.50	85.80	103.50	125.00	149.50	161.00	179.50
32.0	45.50	56.40	69.20	84.30	102.00	123.00	148.00	159.50	178.00
38.0	44.40	55.00	67.60	82.50	100.00	121.00	146.50	158.00	177.50
43.0			66.20	80.90	98.50	119.50	145.50		
46.0			65.40	80.00	97.70				
49.0									

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	R7/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	680/1130
Height, mm	633
Base mounting (hole dia), mm	1095 x 350 (14)
Gross Weight, kg	141
Net Weight, kg	101
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.97
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
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	13.1
Compressor Locked Rotor Current, A	74

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	RCR
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