



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return      — 10 K Suction Superheat
- Maximum Evaporating Temperature      — Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	12.5
27.0	4.95	6.28	7.84	9.61	11.60	13.85	16.35	17.40	19.05	20.50
32.0	4.55	5.80	7.27	8.96	10.90	13.05	15.40	16.45	18.05	19.45
38.0			6.57	8.15	9.95	12.00	14.25	15.20	16.75	18.10
43.0				7.44	9.13	11.05	13.20	14.15	15.60	16.90
46.0					8.63	10.50	12.55	13.45	14.90	
49.0						9.90				

50 Hz

MC-R7-ZB45KE-TFD

R407C 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	12.5
27.0	3.57	3.69	3.83	4.00	4.19	4.41	4.66	4.77	4.95	5.10
32.0	4.01	4.12	4.26	4.43	4.63	4.87	5.14	5.25	5.44	5.61
38.0			4.87	5.05	5.25	5.50	5.78	5.91	6.11	6.29
43.0				5.64	5.85	6.10	6.39	6.52	6.74	6.92
46.0					6.25	6.50	6.80	6.93	7.15	
49.0						6.93				

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	12.5
27.0	6.30	6.39	6.55	6.77	7.03	7.32	7.64	7.77	7.97	8.14
32.0	6.84	6.91	7.07	7.29	7.57	7.89	8.25	8.40	8.63	8.83
38.0			7.85	8.07	8.37	8.71	9.11	9.28	9.54	9.77
43.0				8.88	9.17	9.53	9.96	10.14	10.43	10.69
46.0					9.73	10.09	10.53	10.72	11.02	
49.0						10.71				

Ambient °C	Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	30.40	38.50	47.80	58.60	71.10	85.30	101.50	108.50	120.00	130.00
32.0	29.50	37.40	46.70	57.50	69.90	84.30	100.50	108.00	119.50	129.50
38.0			45.10	55.80	68.30	82.70	99.30	106.50	118.50	129.00
43.0				54.10	66.60	81.10	98.00	105.50	117.50	128.50
46.0					65.50	80.10	97.10	104.50	117.00	
49.0						78.90				

### **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 <sup>3</sup> /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