



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 10 K Suction Superheat
- Maximum Evaporating Temperature
- 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	7.48	9.38	11.40	13.50	15.70	17.95	20.30	21.30	22.80
32.0		8.44	10.35	12.30	14.35	16.45	18.65	19.55	20.90
38.0			8.99	10.80	12.65	14.55	16.50		
43.0				9.47					
46.0									
49.0									

50 Hz

MC-R7-ZB58KE-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	5.81	6.07	6.35	6.64	6.95	7.28	7.62	7.76	7.98
32.0		6.72	7.00	7.30	7.61	7.93	8.27	8.41	8.62
38.0			7.90	8.20	8.50	8.81	9.13		
43.0				9.04					
46.0									
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	11.04	11.31	11.59	11.90	12.24	12.60	12.99	13.16	13.41
32.0		11.99	12.30	12.63	12.98	13.35	13.75	13.92	14.17
38.0			13.32	13.67	14.03	14.41	14.81		
43.0				14.69					
46.0									
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	56.00	72.40	90.90	112.00	136.50	164.50	197.50	213.00	237.00
32.0		69.40	88.20	109.50	134.00	162.00	195.50	211.00	236.00
38.0			84.00	105.50	130.50	159.00	193.50		
43.0				101.50					
46.0									
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	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

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00