



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							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0			10.55	12.95	15.45	18.15	21.00	22.20
32.0				11.90	14.35	16.90	19.60	20.70
38.0					12.90	15.30		
43.0								
46.0								
49.0								

50 Hz

MC-R7-ZB58KE-TFD

R449A Dew Point

Ambient °C	Total Power Input, kW							
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0			5.80	6.11	6.47	6.89	7.39	7.60
32.0				6.76	7.14	7.58	8.09	8.31
38.0					7.99	8.46		
43.0								
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
27.0			10.98	11.22	11.52	11.90	12.38	12.60
32.0				11.76	12.12	12.57	13.13	13.40
38.0					13.00	13.56		
43.0								
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
27.0			63.90	80.80	100.00	123.00	149.50	161.50
32.0				78.50	98.20	121.00	148.00	160.00
38.0					94.80	118.00		
43.0								
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