



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		10.15	12.65	15.45	18.45	21.70	25.20	26.70
32.0			11.75	14.40	17.25	20.40	23.70	25.00
38.0				13.05	15.75	18.60	21.70	23.00
43.0					14.35	17.05		
46.0								
49.0								

50 Hz

MC-V9-ZB66KE-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		5.83	6.03	6.27	6.57	6.94	7.40	7.62
32.0			6.71	6.97	7.27	7.65	8.11	8.32
38.0				7.86	8.19	8.57	9.04	9.25
43.0					9.01	9.41		
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		11.52	11.73	11.97	12.28	12.67	13.17	13.41
32.0			12.40	12.68	13.03	13.45	13.99	14.25
38.0				13.65	14.07	14.57	15.18	15.46
43.0					15.08	15.66		
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		58.40	74.30	92.80	114.50	139.00	168.00	181.00
32.0			72.50	91.10	112.50	137.50	166.50	179.50
38.0				88.20	109.50	135.00	164.00	177.00
43.0					106.50	131.50		
46.0								
49.0								

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	V9/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	820/1330
Height, mm	821
Base mounting (hole dia), mm	1295 x 475 (14)
Gross Weight, kg	176
Net Weight, kg	150
Receiver Capacity, l	15.8
Liquid Line, inch	3/4
Air Flow, m ³ /s	2.18
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8
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	17.5
Compressor Locked Rotor Current, A	111

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	V
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