



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- 0 °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									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
27.0				22.60	28.60	35.40	43.10	51.60	61.00	71.10
32.0					26.60	33.00	40.20	48.20	56.90	
38.0					24.30	30.10	36.70	44.10	52.10	
43.0						27.70	33.80	40.60		
46.0							32.10	38.50		
49.0							30.30	36.50		

50 Hz

Z9-4MU-25

R449A Dew Point

Ambient °C	Total Power Input, kW									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
27.0				13.80	15.75	17.85	20.10	22.60	25.30	28.20
32.0					16.25	18.50	21.00	23.60	26.50	
38.0					16.80	19.25	21.90	24.70	27.80	
43.0						19.75	22.60	25.60		
46.0							22.90	26.10		
49.0							23.30	26.50		

Ambient °C	Current at 400 V, A									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
27.0				24.49	26.92	29.68	32.78	36.28	40.19	44.57
32.0					27.59	30.59	33.98	37.77	42.00	
38.0					28.30	31.59	35.29	39.43	44.04	
43.0						32.31	36.28	40.71		
46.0							36.82	41.42		
49.0							37.32	42.09		

Ambient °C	Mass Flow, g/s									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
27.0				126.00	162.50	206.00	257.00	318.00	389.00	472.00
32.0					158.50	201.00	252.00	311.00	382.00	
38.0					153.00	195.00	245.00	303.00	373.00	
43.0						189.50	238.00	296.00		
46.0							234.00	292.00		
49.0							231.00	288.00		

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	Z9/611
Number of Fans	4
Total Fan Power Input, W	1600
Depth/Width, mm	1107/1600
Height, mm	1263
Base mounting (hole dia), mm	1435 x 535 (18)
Gross Weight, kg	557
Net Weight, kg	392
Receiver Capacity, l	18.9
Liquid Line, inch	7/8
Air Flow, m ³ /s	5.41
High Side PS gauge, bar	31
Low Side PS gauge, bar	22.5
Suction Type	Fixed Valve
Suction Diameter, inch	2 1/8
Sound Pressure @ 10m, dBA	59

CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Condenser Fan Current for 1 fan (single phase)	1.85 / 2.25
Compressor Maximum Operating Current, A	51.9
Compressor Locked Rotor Current, A	199

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00