



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				27.30	34.20	41.90	50.30	59.40	69.10	
32.0					31.80	39.00	46.90	55.40	64.50	
38.0						35.50	42.70	50.40	58.70	
43.0						32.40	39.00	46.20		
46.0							36.80	43.60		
49.0							34.60			

50 Hz

Z9-6MM-30

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				16.55	18.90	21.40	24.00	26.80	29.90	
32.0					19.50	22.20	25.10	28.10	31.40	
38.0						23.10	26.20	29.50	33.00	
43.0						23.70	27.00	30.50		
46.0							27.40	31.00		
49.0							27.80			

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				30.46	33.41	36.72	40.42	44.51	49.01	
32.0					34.27	37.91	41.95	46.42	51.31	
38.0						39.13	43.58	48.48	53.83	
43.0						39.98	44.76	50.01		
46.0							45.39	50.84		
49.0							45.95			

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				155.00	198.00	249.00	307.00	375.00	454.00	
32.0					193.00	243.00	301.00	368.00	446.00	
38.0						234.00	291.00	357.00	434.00	
43.0						226.00	282.00	347.00		
46.0							276.00	341.00		
49.0							270.00			

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	Z9/611
Number of Fans	4
Total Fan Power Input, W	1600
Depth/Width, mm	1130/1600
Height, mm	1263
Base mounting (hole dia), mm	1435x515 (18)
Gross Weight, kg	575
Net Weight, kg	410
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	59.7
Compressor Locked Rotor Current, A	255

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