



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												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			20.30	26.00	32.50	39.90	48.20	57.30	67.30	78.10	82.70	89.70	
32.0			18.70	24.10	30.20	37.20	44.90	53.50	62.90	73.10	77.40		
38.0				21.80	27.40	33.90	41.00	49.00	57.60	67.00			
43.0					25.10	31.10	37.80	45.10	53.20				
46.0					23.70	29.40	35.80	42.80	50.60				
49.0						27.80	33.80						

50 Hz

Z9-4MJ-33

R449A Dew Point

Ambient °C	Total Power Input, kW												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			12.35	13.95	15.65	17.45	19.25	21.20	23.10	25.20	26.10	27.50	
32.0			12.50	14.30	16.15	18.10	20.20	22.30	24.50	26.80	27.80		
38.0				14.60	16.70	18.90	21.20	23.50	26.00	28.60			
43.0					17.10	19.45	21.90	24.50	27.30				
46.0					17.30	19.80	22.40	25.10	28.00				
49.0						20.10	22.80						

Ambient °C	Current at 400 V, A												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			22.90	24.85	27.02	29.39	31.93	34.62	37.45	40.43	41.66	43.55	
32.0			23.14	25.31	27.72	30.36	33.19	36.20	39.36	42.67	44.04		
38.0				25.76	28.47	31.43	34.61	37.99	41.54	45.26			
43.0					29.00	32.23	35.70	39.39	43.26				
46.0					29.27	32.66	36.31	40.18	44.25				
49.0						33.05	36.88						

Ambient °C	Mass Flow, g/s												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			112.50	146.50	187.00	235.00	292.00	359.00	438.00	532.00	574.00	643.00	
32.0			108.50	142.00	182.00	230.00	286.00	352.00	431.00	525.00	567.00		
38.0				136.00	175.50	222.00	278.00	344.00	422.00	517.00			
43.0					169.50	216.00	271.00	336.00	415.00				
46.0					165.50	212.00	266.00	332.00	411.00				
49.0						207.00	262.00						

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	581
Net Weight, kg	416
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	52.9
Compressor Locked Rotor Current, A	230

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