



Minimum Evaporating Temp. With:

- 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	10.0	12.5	15.0
27.0	19.10	24.30	30.30	37.00	44.60	53.10	62.50	66.40	72.70	78.10	
32.0	17.65	22.60	28.30	34.70	41.90	49.80	58.60	62.40	68.20	73.30	
38.0	15.85	20.60	25.90	31.90	38.50	45.90	54.00	57.40	62.80	67.50	
43.0	14.35	18.85	23.90	29.40	35.60	42.50	50.00	53.20	58.20		
46.0		17.80	22.60	28.00	33.90	40.40	47.60				
49.0		16.70	21.40	26.50	32.10						

50 Hz

Z9-4MH-25

R407C Dew Point

Ambient °C	Total Power Input, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	10.55	11.70	12.90	14.05	15.25	16.40	17.55	18.00	18.70	19.30	
32.0	10.85	12.15	13.45	14.80	16.10	17.45	18.80	19.35	20.10	20.80	
38.0	11.05	12.55	14.05	15.60	17.15	18.70	20.20	20.90	21.80	22.60	
43.0	11.15	12.80	14.50	16.20	17.90	19.65	21.40	22.10	23.20		
46.0		12.90	14.70	16.50	18.35	20.20	22.10				
49.0		12.95	14.85	16.80	18.75						

Ambient °C	Current at 400 V, A										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	20.87	22.04	23.32	24.68	26.12	27.62	29.19	29.83	30.81	31.66	
32.0	21.15	22.51	24.00	25.59	27.27	29.04	30.88	31.64	32.80	33.79	
38.0	21.34	22.96	24.73	26.62	28.62	30.73	32.92	33.83	35.22	36.40	
43.0	21.36	23.21	25.24	27.41	29.70	32.11	34.62	35.66	37.24		
46.0		23.31	25.50	27.85	30.32	32.92	35.63				
49.0		23.36	25.73	28.25	30.92						

Ambient °C	Mass Flow, g/s										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
27.0	99.90	129.00	163.50	204.00	252.00	309.00	375.00	405.00	453.00	497.00	
32.0	96.20	125.50	159.50	200.00	247.00	303.00	369.00	398.00	446.00	491.00	
38.0	91.10	120.50	154.00	194.00	241.00	296.00	361.00	390.00	438.00	482.00	
43.0	86.30	115.50	149.00	188.50	235.00	289.00	353.00	382.00	430.00		
46.0		112.50	146.00	185.00	231.00	285.00	349.00				
49.0		109.00	142.50	181.00	227.00						

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	554
Net Weight, kg	389
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	41.6
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
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00