



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			16.45	21.20	26.70	33.00	40.10	48.00	56.70	66.20	70.20	76.40	81.80
32.0			15.15	19.70	24.90	30.80	37.50	44.90	53.10	62.10	65.80	71.70	
38.0				17.80	22.60	28.10	34.30	41.20	48.80	57.10	60.60		
43.0					20.70	25.80	31.60	38.00	45.10	52.90			
46.0					19.60	24.50	30.00	36.10	42.90				
49.0						23.10	28.30	34.20	40.70				

50 Hz

Z9-4MH-25

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			10.20	11.40	12.70	14.00	15.35	16.70	18.15	19.65	20.30	21.20	22.00
32.0			10.40	11.75	13.15	14.60	16.10	17.65	19.25	20.90	21.60	22.70	
38.0				12.05	13.60	15.25	16.90	18.65	20.50	22.40	23.10		
43.0					13.90	15.70	17.50	19.40	21.40	23.40			
46.0					14.05	15.90	17.85	19.85	21.90				
49.0						16.10	18.10	20.20	22.40				

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			20.46	21.73	23.12	24.63	26.27	28.05	29.99	32.12	33.02	34.46	35.72
32.0			20.70	22.11	23.68	25.40	27.27	29.29	31.50	33.91	34.93	36.55	
38.0				22.48	24.27	26.23	28.37	30.69	33.22	35.97	37.13		
43.0					24.66	26.83	29.20	31.77	34.56	37.59			
46.0					24.85	27.14	29.65	32.37	35.32				
49.0						27.42	30.06	32.93	36.05				

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			90.10	118.00	151.50	190.50	237.00	292.00	356.00	432.00	466.00	521.00	572.00
32.0			86.90	114.50	147.50	186.50	232.00	287.00	351.00	426.00	460.00	516.00	
38.0				110.00	142.00	180.50	226.00	280.00	344.00	419.00	454.00		
43.0					137.50	175.00	220.00	274.00	337.00	414.00			
46.0					134.00	172.00	217.00	270.00	334.00				
49.0						168.00	213.00	266.00	330.00				

### **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 <sup>3</sup> /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**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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