



Minimum Evaporating Temp. With:			
<span style="color: pink;">—</span> 20 K Suction Superheat	<span style="color: orange;">—</span> 20 °C Suction Gas Return	<span style="color: blue;">—</span> Maximum Evaporating Temperature	<span style="color: red;">—</span> Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW												
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	
27.0	16.80	21.20	26.40	32.40	39.20	46.90	50.20	55.50	60.10				
32.0	15.70	19.90	24.80	30.50	37.00	44.20	47.40	52.30	56.60				
38.0	14.35	18.30	22.90	28.20	34.20	41.00	43.90	48.40	52.50				
43.0	13.20	16.95	21.30	26.30	31.90	38.20	40.90	45.20	48.90				
46.0	12.50	16.15	20.30	25.10	30.50	36.60	39.10	43.20	46.80				
49.0	11.75	15.30	19.35	23.90	29.10	34.90	37.40	41.30	44.70				

50 Hz

Z9-4MH-25

R134a

Ambient °C	Total Power Input, kW											
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
27.0	8.30	9.05	9.79	10.50	11.20	11.80	12.00	12.35	12.60			
32.0	8.53	9.37	10.20	11.05	11.85	12.60	12.90	13.30	13.65			
38.0	8.73	9.68	10.65	11.65	12.60	13.55	13.90	14.40	14.85			
43.0	8.83	9.88	10.95	12.05	13.15	14.20	14.65	15.25	15.75			
46.0	8.87	9.97	11.10	12.30	13.45	14.60	15.05	15.75	16.25			
49.0	8.88	10.05	11.25	12.50	13.75	14.95	15.45	16.20	16.75			

Ambient °C	Current at 400 V, A											
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
27.0	18.92	19.53	20.20	20.89	21.57	22.22	22.47	22.83	23.12			
32.0	19.13	19.84	20.62	21.45	22.29	23.12	23.45	23.93	24.32			
38.0	19.32	20.15	21.07	22.07	23.11	24.17	24.59	25.22	25.74			
43.0	19.41	20.34	21.40	22.54	23.75	25.00	25.50	26.26	26.88			
46.0	19.43	20.42	21.56	22.80	24.11	25.47	26.02	26.85	27.55			
49.0	19.42	20.48	21.70	23.03	24.45	25.93	26.53	27.44	28.19			

Ambient °C	Mass Flow, g/s											
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
27.0	96.90	124.00	156.00	195.00	241.00	296.00	320.00	360.00	396.00			
32.0	94.50	121.50	153.50	192.00	238.00	292.00	316.00	355.00	391.00			
38.0	91.00	118.00	150.00	188.00	233.00	286.00	310.00	349.00	384.00			
43.0	87.70	114.50	146.50	184.00	229.00	281.00	305.00	343.00	378.00			
46.0	85.60	112.00	144.00	181.50	226.00	278.00	301.00	339.00	374.00			
49.0	83.20	110.00	141.50	178.50	223.00	274.00	297.00	335.00	369.00			

### **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