



Minimum Evaporating Temp. With:

- 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	5.0	7.0
27.0		10.95	14.70	19.05	24.00	29.50	35.80	42.70	50.30	58.60	67.50	71.30
32.0			13.30	17.40	22.00	27.20	33.00	39.40	46.50	54.20	62.50	65.90
38.0			11.65	15.35	19.60	24.30	29.60	35.40	41.80	48.80	56.30	59.50
43.0				13.70	17.55	21.90	26.70	32.00	37.90	44.30	51.20	
46.0				12.65	16.35	20.40	25.00	30.00	35.50	41.60		
49.0				11.65	15.10	18.95	23.20	27.90	33.10	38.80		

50 Hz

Z9-4MH-25

R404A 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	5.0	7.0
27.0		8.85	10.10	11.45	12.75	14.10	15.45	16.75	18.10	19.35	20.60	21.10
32.0			10.20	11.60	13.10	14.55	16.05	17.55	19.05	20.50	22.00	22.50
38.0			10.20	11.80	13.40	15.05	16.75	18.45	20.10	21.80	23.50	24.20
43.0				11.85	13.60	15.40	17.25	19.15	21.00	22.90	24.80	
46.0				11.85	13.70	15.60	17.55	19.55	21.50	23.50		
49.0				11.85	13.80	15.80	17.85	19.90	22.00	24.10		

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	5.0	7.0
27.0		19.33	20.63	22.06	23.57	25.16	26.81	28.49	30.20	31.93	33.68	34.38
32.0			20.67	22.28	24.00	25.80	27.68	29.61	31.58	33.58	35.61	36.42
38.0			20.58	22.43	24.40	26.49	28.66	30.90	33.19	35.53	37.90	38.86
43.0				22.44	24.65	26.98	29.41	31.92	34.50	37.12	39.80	
46.0				22.40	24.75	27.24	29.83	32.51	35.26	38.07		
49.0				22.32	24.82	27.46	30.22	33.07	36.00	38.99		

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	5.0	7.0
27.0		74.50	101.50	133.50	171.50	216.00	269.00	332.00	405.00	491.00	594.00	641.00
32.0			97.00	129.00	166.50	211.00	263.00	325.00	398.00	485.00	588.00	635.00
38.0			90.90	122.50	159.50	203.00	255.00	316.00	389.00	476.00	582.00	631.00
43.0				116.50	153.00	196.50	248.00	309.00	382.00	470.00	579.00	
46.0				113.00	149.00	192.00	243.00	304.00	378.00	467.00		
49.0				109.00	145.00	187.50	239.00	300.00	374.00	465.00		

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