



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									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0			16.05	20.70	26.10	32.20	39.00	46.60	54.80	
32.0			14.70	19.05	24.00	29.60	35.90	42.90	50.40	
38.0				16.95	21.40	26.50	32.10	38.30		
43.0					19.20	23.70	28.80	34.40		
46.0					17.85	22.10	26.80	32.10		
49.0						20.40	24.80			

50 Hz

Z9-4MU-25

R404A Dew Point

Ambient °C	Total Power Input, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0			12.25	14.10	16.10	18.15	20.20	22.40	24.50	
32.0			12.40	14.40	16.45	18.65	20.90	23.10	25.40	
38.0				14.60	16.80	19.10	21.50	23.90		
43.0					17.00	19.40	21.90	24.40		
46.0					17.05	19.50	22.00	24.60		
49.0						19.55	22.10			

Ambient °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0			23.00	25.22	27.74	30.52	33.54	36.79	40.24	
32.0			23.21	25.57	28.26	31.24	34.48	37.96	41.66	
38.0				25.86	28.74	31.94	35.43	39.18		
43.0					28.99	32.36	36.05	40.01		
46.0					29.07	32.54	36.34	40.43		
49.0						32.67	36.57			

Ambient °C	Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
27.0			111.00	146.00	188.00	238.00	297.00	367.00	449.00	
32.0			107.50	142.00	183.00	232.00	290.00	359.00	440.00	
38.0				136.00	176.00	224.00	280.00	348.00		
43.0					169.00	216.00	271.00	337.00		
46.0					164.50	210.00	265.00	331.00		
49.0						205.00	259.00			

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	557
Net Weight, kg	392
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	51.9
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
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00