



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- Maximum Evaporating Temperature
- 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	20.70	25.90	31.90	38.80	46.60	55.40	59.20	65.10	70.30				
32.0	19.40	24.30	30.00	36.60	44.00	52.20	55.80	61.30	66.20				
38.0	17.75	22.40	27.70	33.80	40.70	48.40	51.60	56.80	61.20				
43.0	16.40	20.80	25.80	31.60	38.00	45.10	48.10	52.90	57.10				
46.0	15.60	19.85	24.70	30.20	36.30	43.10	46.00	50.60	54.60				
49.0	14.75	18.85	23.50	28.80	34.70	41.20	43.90	48.30	52.10				

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	9.93	10.85	11.75	12.70	13.65	14.60	15.00	15.65	16.15			
32.0	10.20	11.25	12.25	13.30	14.40	15.50	15.95	16.65	17.25			
38.0	10.45	11.60	12.80	14.00	15.25	16.50	17.05	17.85	18.50			
43.0	10.65	11.90	13.20	14.50	15.90	17.30	17.85	18.75	19.50			
46.0	10.70	12.05	13.40	14.80	16.25	17.75	18.35	19.25	20.10			
49.0	10.75	12.15	13.60	15.05	16.60	18.15	18.80	19.80	20.60			

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	20.42	21.34	22.33	23.39	24.51	25.72	26.23	27.02	27.71			
32.0	20.71	21.76	22.89	24.12	25.43	26.84	27.43	28.35	29.15			
38.0	20.99	22.19	23.51	24.94	26.48	28.13	28.83	29.90	30.83			
43.0	21.15	22.49	23.97	25.57	27.31	29.17	29.95	31.16	32.20			
46.0	21.22	22.64	24.21	25.93	27.78	29.77	30.60	31.89	33.01			
49.0	21.25	22.76	24.44	26.27	28.24	30.35	31.24	32.61	33.80			

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	120.50	152.50	191.50	238.00	293.00	358.00	387.00	434.00	477.00			
32.0	117.50	149.50	188.50	234.00	289.00	353.00	381.00	428.00	470.00			
38.0	114.00	146.00	184.00	229.00	283.00	346.00	374.00	420.00	462.00			
43.0	110.50	142.00	180.00	225.00	278.00	340.00	368.00	413.00	454.00			
46.0	108.00	140.00	177.50	222.00	274.00	336.00	364.00	409.00	450.00			
49.0	105.50	137.00	174.50	219.00	271.00	332.00	359.00	404.00	445.00			

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	581
Net Weight, kg	416
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	52.9
Compressor Locked Rotor Current, A	230

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