



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	18.60	23.30	28.80	35.20	42.50	50.70	54.20	59.70	64.60				
32.0	17.40	21.90	27.10	33.20	40.00	47.70	51.10	56.30	60.80				
38.0	15.90	20.20	25.10	30.70	37.10	44.20	47.30	52.10	56.30				
43.0	14.70	18.70	23.30	28.60	34.60	41.20	44.10	48.60	52.50				
46.0	13.95	17.85	22.30	27.40	33.10	39.40	42.20	46.50	50.20				
49.0	13.25	17.00	21.30	26.10	31.60	37.60	40.30	44.30	47.90				

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	8.85	9.69	10.50	11.35	12.15	12.95	13.25	13.70	14.10			
32.0	9.10	10.05	11.00	11.95	12.90	13.80	14.20	14.70	15.15			
38.0	9.35	10.40	11.50	12.60	13.70	14.80	15.20	15.85	16.40			
43.0	9.50	10.65	11.85	13.10	14.30	15.55	16.05	16.75	17.35			
46.0	9.56	10.80	12.05	13.35	14.65	15.95	16.50	17.25	17.90			
49.0	9.61	10.90	12.20	13.60	14.95	16.35	16.95	17.75	18.45			

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	19.30	20.08	20.90	21.76	22.63	23.52	23.87	24.41	24.87			
32.0	19.56	20.45	21.40	22.41	23.46	24.53	24.97	25.63	26.19			
38.0	19.81	20.84	21.96	23.15	24.41	25.72	26.25	27.06	27.75			
43.0	19.96	21.10	22.37	23.73	25.16	26.67	27.29	28.23	29.03			
46.0	20.01	21.23	22.59	24.05	25.59	27.22	27.89	28.91	29.77			
49.0	20.04	21.34	22.78	24.34	26.01	27.75	28.47	29.57	30.50			

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	107.50	136.50	172.00	214.00	264.00	323.00	349.00	392.00	431.00			
32.0	105.00	134.00	169.00	211.00	260.00	318.00	344.00	387.00	425.00			
38.0	101.50	130.50	165.00	206.00	255.00	312.00	338.00	380.00	418.00			
43.0	98.20	127.00	161.50	202.00	250.00	307.00	332.00	373.00	411.00			
46.0	96.20	125.00	159.00	199.50	247.00	303.00	328.00	369.00	406.00			
49.0	94.10	122.50	156.50	196.50	244.00	299.00	324.00	365.00	402.00			

**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 <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	46.6
Compressor Locked Rotor Current, A	230

**ACCESSORIES INCLUDED**

**ACCESSORIES OPTIONAL**

**MOTOR OPTIONS**

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00