



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	14.85	18.65	23.10	28.40	34.40	41.30	44.30	49.00	53.20			
32.0	13.85	17.50	21.80	26.80	32.50	39.00	41.80	46.30	50.20			
38.0	12.65	16.10	20.10	24.80	30.10	36.20	38.80	43.00	46.60			
43.0	11.65	14.90	18.70	23.10	28.10	33.80	36.20	40.10	43.50			
46.0	11.05	14.20	17.85	22.10	26.90	32.30	34.70	38.40	41.70			
49.0	10.40	13.45	16.95	21.00	25.60	30.80	33.10	36.70	39.80			

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	7.23	7.85	8.42	8.95	9.42	9.83	9.97	10.15	10.30			
32.0	7.40	8.11	8.79	9.43	10.05	10.55	10.75	11.05	11.25			
38.0	7.55	8.36	9.16	9.94	10.70	11.40	11.65	12.05	12.35			
43.0	7.63	8.52	9.42	10.30	11.20	12.00	12.30	12.80	13.15			
46.0	7.65	8.59	9.55	10.50	11.45	12.35	12.70	13.20	13.65			
49.0	7.66	8.65	9.66	10.70	11.70	12.65	13.05	13.60	14.05			

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	15.66	16.21	16.76	17.31	17.81	18.25	18.41	18.63	18.80			
32.0	15.84	16.47	17.14	17.82	18.47	19.08	19.32	19.65	19.91			
38.0	16.00	16.74	17.55	18.38	19.22	20.04	20.36	20.83	21.20			
43.0	16.07	16.91	17.83	18.80	19.79	20.79	21.18	21.76	22.24			
46.0	16.09	16.99	17.98	19.03	20.12	21.21	21.65	22.31	22.84			
49.0	16.08	17.04	18.10	19.24	20.42	21.62	22.11	22.83	23.43			

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	85.10	108.00	136.00	169.50	210.00	257.00	278.00	313.00	344.00			
32.0	82.90	106.00	134.00	167.00	207.00	254.00	275.00	309.00	340.00			
38.0	79.90	103.00	130.50	163.50	203.00	249.00	270.00	304.00	335.00			
43.0	77.00	99.90	127.50	160.00	199.00	245.00	265.00	299.00	330.00			
46.0	75.10	97.90	125.00	157.50	196.00	242.00	262.00	296.00	326.00			
49.0	73.10	95.80	123.00	155.00	193.50	239.00	259.00	292.00	322.00			

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	548
Net Weight, kg	383
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	1 5/8
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	36.3
Compressor Locked Rotor Current, A	175

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
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		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