



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	23.20	28.90	35.60	43.30	52.10	61.90	66.10	72.70	78.40				
32.0	21.70	27.20	33.60	40.80	49.10	58.30	62.20	68.40	73.80				
38.0	20.00	25.10	31.10	37.80	45.40	53.90	57.60	63.20	68.20				
43.0	18.50	23.40	29.00	35.30	42.40	50.30	53.70	58.90	63.50				
46.0	17.65	22.30	27.70	33.80	40.60	48.10	51.30	56.30	60.70				
49.0	16.75	21.30	26.40	32.20	38.70	45.90	49.00	53.70	57.90				

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	10.90	12.05	13.30	14.50	15.70	16.90	17.35	18.00	18.55			
32.0	11.20	12.45	13.80	15.15	16.55	17.95	18.50	19.30	20.00			
38.0	11.50	12.85	14.30	15.85	17.45	19.10	19.75	20.70	21.50			
43.0	11.75	13.15	14.70	16.35	18.10	19.90	20.60	21.70	22.70			
46.0	11.90	13.30	14.90	16.65	18.50	20.40	21.20	22.30	23.30			
49.0	12.05	13.50	15.10	16.90	18.80	20.80	21.60	22.90	23.90			

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	24.02	25.15	26.44	27.83	29.27	30.73	31.30	32.16	32.87			
32.0	24.31	25.54	26.98	28.58	30.27	32.02	32.72	33.78	34.66			
38.0	24.66	25.97	27.57	29.39	31.37	33.44	34.29	35.58	36.67			
43.0	24.95	26.31	28.02	30.01	32.20	34.54	35.50	36.97	38.22			
46.0	25.13	26.51	28.28	30.36	32.67	35.15	36.18	37.76	39.10			
49.0	25.31	26.70	28.53	30.69	33.11	35.74	36.84	38.52	39.95			

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	135.00	171.00	214.00	266.00	328.00	401.00	434.00	486.00	534.00			
32.0	132.00	168.00	211.00	262.00	323.00	395.00	427.00	480.00	527.00			
38.0	128.00	164.00	206.00	257.00	317.00	388.00	419.00	471.00	517.00			
43.0	124.50	160.00	202.00	252.00	311.00	381.00	412.00	463.00	509.00			
46.0	122.50	157.50	199.50	249.00	307.00	376.00	407.00	457.00	503.00			
49.0	120.00	155.00	196.50	246.00	304.00	372.00	402.00	452.00	498.00			

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	W99/611
Number of Fans	4
Total Fan Power Input, W	1600
Depth/Width, mm	1189/1600
Height, mm	1803
Base mounting (hole dia), mm	1440 x 630 (18)
Gross Weight, kg	711
Net Weight, kg	504
Receiver Capacity, l	47.9
Liquid Line, inch	7/8
Air Flow, m ³ /s	7.25
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	61.1
Compressor Locked Rotor Current, A	272

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