



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												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			22.50	28.80	35.90	43.90	52.80	62.60	73.30	84.70	89.40	96.80	
32.0				26.70	33.30	40.80	49.20	58.40	68.30	79.00	83.50		
38.0				24.10	30.20	37.10	44.80	53.20	62.40				
43.0					27.60	34.00	41.10	48.90	57.40				
46.0					26.00	32.10	38.80	46.30					
49.0						30.20	36.60						

50 Hz

W99-4MK-35

R449A Dew Point

Ambient °C	Total Power Input, kW												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			13.95	15.90	18.00	20.20	22.50	24.80	27.30	29.90	31.00	32.60	
32.0				16.30	18.55	20.90	23.30	25.90	28.50	31.30	32.40		
38.0				16.65	19.10	21.60	24.20	27.00	29.80				
43.0					19.40	22.10	24.90	27.80	30.80				
46.0					19.60	22.30	25.20	28.20					
49.0						22.60	25.50						

Ambient °C	Current at 400 V, A												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			27.14	29.26	31.74	34.53	37.61	40.97	44.58	48.43	50.04	52.53	
32.0				29.75	32.45	35.49	38.84	42.46	46.36	50.50	52.23		
38.0				30.21	33.16	36.48	40.13	44.09	48.31				
43.0					33.62	37.17	41.06	45.27	49.77				
46.0					33.82	37.50	41.54	45.91					
49.0						37.78	41.97						

Ambient °C	Mass Flow, g/s												
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0			126.00	164.00	209.00	263.00	326.00	401.00	489.00	594.00	641.00	719.00	
32.0				159.00	203.00	256.00	319.00	393.00	481.00	585.00	633.00		
38.0				152.00	195.50	247.00	309.00	382.00	469.00				
43.0					188.50	239.00	300.00	373.00	460.00				
46.0					184.00	234.00	294.00	367.00					
49.0						229.00	289.00						

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