



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	21.40	28.40	36.90	47.40	60.10	75.10				
10.0	20.20	27.10	35.60	45.90	58.20	72.80	89.80			
15.0		25.70	34.10	44.10	56.00	70.10	86.60	106.00	128.00	
20.0		24.20	32.30	42.10	53.60	67.20	83.10	101.50	122.50	147.00
25.0			30.40	39.90	51.00	64.10	79.30	97.00	117.50	140.50
30.0				37.50	48.20	60.70	75.30	92.10	111.50	133.50
35.0				34.90	45.20	57.10	71.00	87.00	105.50	126.50
40.0					42.00	53.30	66.40	81.70	99.20	119.50
45.0					38.70	49.30	61.70	76.10	92.60	111.50
50.0						45.20	56.80	70.30	85.80	
55.0						41.00	51.80	64.30	78.80	
60.0							46.70	58.20		
62.0							44.60	55.80		

50 Hz

6MU-40

R449A Dew Point

Cond °C	Power, kW									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	9.17	10.30	11.30	12.15	12.80	13.20				
10.0	9.67	11.05	12.30	13.45	14.40	15.10	15.60			
15.0		11.70	13.25	14.65	15.90	17.00	17.80	18.35	18.60	
20.0		12.25	14.05	15.75	17.35	18.75	19.95	20.90	21.50	21.80
25.0			14.80	16.75	18.65	20.40	22.00	23.30	24.40	25.10
30.0				17.65	19.85	21.90	23.90	25.60	27.10	28.30
35.0				18.45	20.90	23.40	25.60	27.80	29.70	31.30
40.0					21.90	24.60	27.30	29.80	32.10	34.20
45.0					22.70	25.80	28.80	31.70	34.40	36.90
50.0						26.80	30.10	33.40	36.50	
55.0						27.60	31.30	34.90	38.50	
60.0							32.30	36.30		
62.0							32.70	36.80		

Cond °C	Current at 400 V, A									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	26.95	28.31	29.68	30.96	32.02	32.76				
10.0	27.40	29.07	30.82	32.53	34.10	35.41	36.35			
15.0		29.82	31.92	34.06	36.12	37.99	39.54	40.68	41.27	
20.0		30.53	32.98	35.53	38.07	40.47	42.63	44.43	45.76	46.51
25.0			33.98	36.92	39.91	42.84	45.59	48.04	50.09	51.62
30.0				38.22	41.65	45.08	48.40	51.49	54.24	56.54
35.0				39.39	43.25	47.18	51.06	54.77	58.21	61.25
40.0					44.71	49.11	53.53	57.85	61.96	65.74
45.0					45.99	50.86	55.80	60.71	65.48	69.98
50.0						52.40	57.86	63.35	68.75	
55.0						53.73	59.68	65.73	71.76	
60.0							61.25	67.84		
62.0							61.80	68.61		

Cond °C	Suction Mass Flow, g/s									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	95.40	126.50	165.00	212.00	270.00	339.00				
10.0	93.00	125.00	164.50	212.00	270.00	339.00	421.00			
15.0		122.50	163.00	211.00	270.00	339.00	420.00	516.00	628.00	
20.0		119.50	160.50	209.00	268.00	337.00	419.00	514.00	626.00	756.00
25.0			157.00	206.00	265.00	334.00	415.00	511.00	623.00	753.00
30.0				202.00	260.00	330.00	411.00	506.00	618.00	748.00
35.0				196.50	255.00	324.00	405.00	500.00	612.00	741.00
40.0					249.00	317.00	398.00	493.00	604.00	734.00
45.0					241.00	310.00	390.00	484.00	595.00	724.00
50.0						300.00	380.00	474.00	584.00	
55.0						290.00	369.00	462.00	572.00	
60.0							357.00	449.00		
62.0							352.00	444.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	153
Bore/Stroke, mm	80.6/57.5
Length/Width, mm	757/547
Height, mm	450
Net Weight, kg	225
Suction, inch	2 5/8
Discharge, inch	1 5/8
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
Sound Pressure @ 1m, dBA	80.5
Sound Power, dBA	91.5
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1397
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	75.8
Locked Rotor Current, A	306
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Parts	Spring
CoreSense Protection (-P)	Motor protection
Oil Pressure Switch (-P)	OPS2 Sensor
Copeland Compressor Electronic (-N)	Oil pressure, motor and discharge line temperature protection; advanced diagnostics features and power measurement

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 67/33 %
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Sound Attenuation	Sound Shell
Mounting Parts	Rubber
Digital Modulation	33-100 %
Copeland Compressor Electronic module	Modbus extension module

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YYY	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
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00