



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												
	-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
10.0	25.60	33.50	43.50	55.80	70.60	88.40	109.50						
15.0	24.30	32.20	42.00	54.00	68.50	85.70	106.00	129.50					
20.0	22.90	30.70	40.30	52.00	65.90	82.50	102.00	124.50	150.50	180.50			
25.0		29.00	38.30	49.60	63.00	78.90	97.60	119.00	144.00	173.00	185.50	205.00	223.00
30.0		27.10	36.20	47.00	59.80	75.00	92.80	113.50	137.50	164.50	176.50	195.50	213.00
35.0			33.80	44.10	56.30	70.70	87.60	107.00	130.00	156.00	167.00	185.50	202.00
40.0				41.00	52.60	66.20	82.10	100.50	122.00	146.50	157.50	174.50	190.00
45.0				37.80	48.60	61.30	76.20	93.60	113.50	137.00	147.00	163.00	178.00
50.0					44.40	56.20	70.00	86.20	105.00	126.50	136.00	151.50	165.00
55.0					40.10	50.90	63.60	78.50	95.90	116.00	125.00		
60.0						45.40	56.90	70.50	86.40				
62.0						43.10	54.20	67.20	82.60				

Cond °C	Power, 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
10.0	11.65	13.05	14.25	15.25	15.95	16.25	16.20						
15.0	12.35	13.95	15.50	16.80	17.85	18.65	19.05	19.00					
20.0	12.90	14.75	16.55	18.20	19.65	20.80	21.70	22.20	22.20	21.70			
25.0		15.40	17.50	19.45	21.30	22.90	24.20	25.10	25.70	25.80	25.70	25.40	25.00
30.0		15.90	18.25	20.50	22.70	24.70	26.40	27.90	29.00	29.70	29.80	29.90	29.70
35.0			18.80	21.40	23.90	26.30	28.50	30.40	32.00	33.30	33.70	34.10	34.30
40.0				22.10	25.00	27.70	30.30	32.70	34.90	36.70	37.30	38.10	38.60
45.0				22.60	25.80	28.90	32.00	34.80	37.50	39.80	40.60	41.80	42.60
50.0					26.40	29.90	33.30	36.60	39.80	42.60	43.70	45.20	46.40
55.0					26.70	30.60	34.50	38.20	41.80	45.20	46.50		
60.0						31.10	35.30	39.50	43.60				
62.0						31.20	35.60	39.90	44.20				

Cond °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
10.0	38.65	39.80	40.89	41.83	42.49	42.77	42.55						
15.0	39.16	40.53	41.91	43.22	44.32	45.12	45.49	45.33					
20.0	39.64	41.22	42.90	44.57	46.12	47.43	48.40	48.91	48.85	48.10			
25.0		41.83	43.80	45.84	47.84	49.67	51.24	52.42	53.11	53.18	53.02	52.54	51.92
30.0		42.33	44.60	47.01	49.45	51.80	53.97	55.82	57.26	58.16	58.35	58.42	58.28
35.0			45.23	48.01	50.90	53.78	56.55	59.08	61.27	63.00	63.54	64.16	64.49
40.0				48.83	52.17	55.57	58.94	62.14	65.08	67.64	68.54	69.71	70.53
45.0				49.41	53.20	57.13	61.10	64.98	68.68	72.07	73.31	75.04	76.34
50.0					53.96	58.42	62.99	67.56	72.00	76.23	77.83	80.11	81.88
55.0					54.41	59.40	64.57	69.82	75.03	80.08	82.03		
60.0						60.03	65.81	71.74	77.70				
62.0						60.18	66.20	72.40	78.67				

Cond °C	Suction 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
10.0	118.00	154.50	201.00	259.00	329.00	414.00	515.00						
15.0	116.00	154.00	201.00	260.00	331.00	416.00	517.00	636.00					
20.0	113.00	152.00	200.00	259.00	330.00	415.00	517.00	636.00	775.00	938.00			
25.0		149.50	198.00	257.00	328.00	413.00	514.00	633.00	773.00	936.00	1008.00	1126.00	1233.00
30.0		145.50	194.50	254.00	325.00	410.00	510.00	629.00	768.00	931.00	1003.00	1121.00	1228.00
35.0			190.00	249.00	320.00	404.00	504.00	622.00	760.00	923.00	996.00	1114.00	1221.00
40.0				243.00	313.00	397.00	495.00	612.00	750.00	913.00	985.00	1103.00	1211.00
45.0				236.00	305.00	387.00	485.00	601.00	738.00	899.00	972.00	1090.00	1198.00
50.0					295.00	376.00	472.00	586.00	722.00	883.00	956.00	1074.00	1182.00
55.0					283.00	362.00	457.00	569.00	704.00	864.00	936.00		
60.0						347.00	439.00	550.00	683.00				
62.0						340.00	431.00	541.00	674.00				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	153
Bore/Stroke, mm	80.6/57.5
Length/Width, mm	773/547
Height, mm	450
Net Weight, kg	230
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	76.5
Sound Power, dBA	87.5
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	92.9
Locked Rotor Current, A	416
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	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
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00