



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	10.75	14.25	18.70	24.10	30.70	38.40	47.50						
15.0	10.00	13.45	17.75	23.00	29.20	36.70	45.30	55.40					
20.0	9.22	12.60	16.75	21.80	27.70	34.80	43.10	52.70	63.60	76.20			
25.0		11.65	15.65	20.50	26.20	32.90	40.80	49.90	60.30	72.20	77.40	85.70	93.10
30.0		10.65	14.50	19.10	24.50	30.90	38.40	47.00	56.90	68.30	73.20	81.10	88.10
35.0			13.30	17.65	22.80	28.90	36.00	44.10	53.50	64.20	68.90	76.30	83.00
40.0				16.20	21.10	26.80	33.50	41.20	50.00	60.10	64.50	71.60	77.80
45.0				14.70	19.30	24.70	30.90	38.10	46.40	55.90	60.10	66.70	72.60
50.0					17.50	22.50	28.30	35.10	42.80	51.70	55.60	61.80	67.40
55.0					15.65	20.30	25.70	32.00	39.20	47.50	51.10		
60.0						18.10	23.10	28.90	35.60				
62.0						17.20	22.10	27.60	34.10				

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	4.97	5.51	5.98	6.35	6.58	6.66	6.56							
15.0	5.15	5.80	6.39	6.90	7.29	7.54	7.62	7.50						
20.0	5.27	6.03	6.75	7.39	7.94	8.36	8.62	8.70	8.56	8.19				
25.0		6.20	7.04	7.82	8.52	9.11	9.55	9.83	9.91	9.77	9.64	9.37	9.06	
30.0		6.32	7.27	8.19	9.04	9.80	10.40	10.90	11.20	11.25	11.25	11.10	10.95	
35.0			7.44	8.50	9.50	10.40	11.20	11.90	12.40	12.70	12.75	12.80	12.75	
40.0				8.73	9.88	10.95	11.95	12.80	13.55	14.05	14.20	14.40	14.45	
45.0				8.90	10.20	11.45	12.60	13.65	14.60	15.35	15.60	15.90	16.10	
50.0					10.45	11.85	13.20	14.45	15.55	16.55	16.90	17.35	17.70	
55.0					10.60	12.15	13.70	15.15	16.45	17.65	18.10			
60.0						12.40	14.10	15.75	17.30					
62.0						12.50	14.25	15.95	17.60					

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	15.21	15.57	15.93	16.26	16.48	16.56	16.42							
15.0	15.32	15.76	16.24	16.71	17.10	17.37	17.45	17.29						
20.0	15.42	15.95	16.55	17.16	17.72	18.18	18.49	18.58	18.40	17.89				
25.0		16.10	16.83	17.58	18.32	18.99	19.52	19.87	19.97	19.77	19.59	19.22	18.79	
30.0		16.22	17.07	17.98	18.90	19.77	20.54	21.14	21.53	21.64	21.60	21.43	21.18	
35.0			17.25	18.33	19.43	20.51	21.52	22.39	23.06	23.49	23.59	23.62	23.55	
40.0				18.61	19.90	21.20	22.45	23.59	24.56	25.31	25.54	25.79	25.90	
45.0				18.81	20.30	21.82	23.32	24.73	26.00	27.08	27.44	27.91	28.21	
50.0					20.61	22.36	24.10	25.79	27.37	28.78	29.29	29.97	30.46	
55.0					20.81	22.79	24.80	26.77	28.66	30.40	31.05			
60.0						23.11	25.38	27.64	29.85					
62.0						23.21	25.58	27.96	30.29					

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	49.50	65.90	86.50	112.00	143.00	180.00	224.00						
15.0	47.80	64.40	85.10	110.50	141.00	178.00	221.00	272.00					
20.0	45.60	62.40	83.20	108.50	139.00	175.50	218.00	269.00	328.00	396.00			
25.0		60.00	80.90	106.00	136.50	172.50	215.00	265.00	323.00	391.00	421.00	470.00	514.00
30.0		57.10	78.10	103.00	133.50	169.00	211.00	261.00	318.00	386.00	416.00	465.00	509.00
35.0			74.80	99.90	129.50	165.00	207.00	256.00	313.00	380.00	410.00	459.00	503.00
40.0				96.00	125.50	160.50	202.00	251.00	307.00	374.00	404.00	452.00	496.00
45.0				91.70	121.00	156.00	196.50	245.00	301.00	368.00	397.00	445.00	489.00
50.0					116.00	150.50	191.00	239.00	295.00	361.00	390.00	439.00	483.00
55.0					110.50	144.50	185.00	232.00	288.00	354.00	383.00		
60.0						138.50	178.50	225.00	281.00				
62.0						136.00	175.50	223.00	278.00				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	61.7
Bore/Stroke, mm	63.5/56.0
Length/Width, mm	638/501
Height, mm	452
Net Weight, kg	177
Suction, inch	1 5/8
Discharge, inch	1 1/8
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	72
Sound Power, dBA	83
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	36.3
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

<p>Additional Cooling Capacity Control Crankcase Heater Oil Pressure Switch Adapter Kit Check Valve Sound Attenuation Mounting Parts Copeland Compressor Electronic module</p>	<p>70 W Vertical Air Flow Fan Capacity Steps 50% 100 W Internal OPS2 Electronic Switch For Parallel Operation For unloaded start operation Sound Shell Rubber Modbus extension module</p>
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MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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