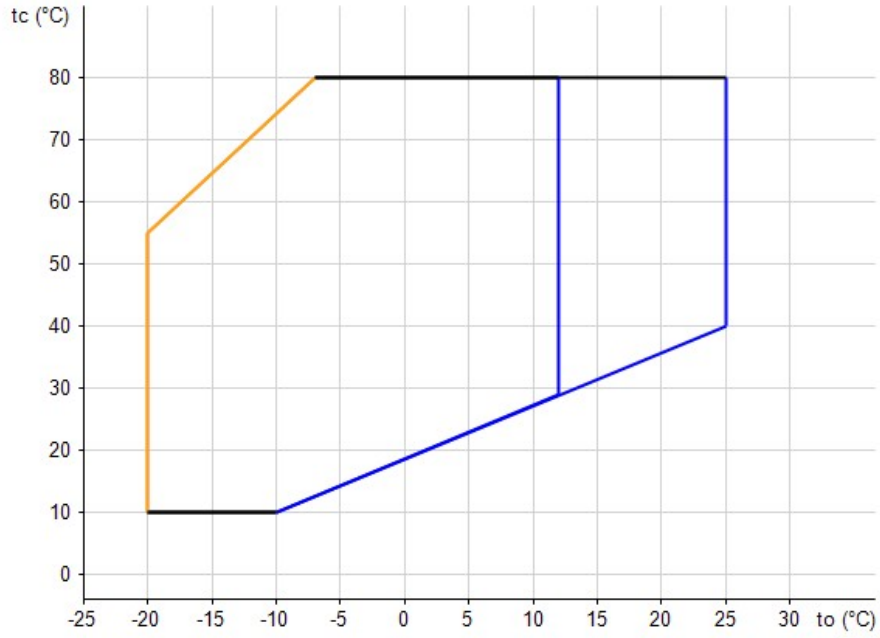

Minimum Evaporating Temp. With:

20 K Suction Superheat

20 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Return Temperature 18.3°C | Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond	Cooling Capacity, kW											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	26.70	33.30	41.30									
15.0	25.40	31.80	39.60	48.90								
20.0	24.20	30.30	37.80	46.70	57.30							
25.0	22.90	28.80	35.90	44.50	54.60	66.40	71.70					
30.0	21.50	27.20	34.10	42.20	51.80	63.10	68.10	76.20	83.50			
35.0	20.10	25.60	32.10	39.90	49.00	59.70	64.40	72.10	79.00			
40.0	18.75	24.00	30.10	37.50	46.10	56.20	60.70	67.90	74.40			
45.0	17.30	22.30	28.10	35.10	43.20	52.70	56.90	63.70	69.80			
50.0	15.90	20.60	26.10	32.60	40.20	49.10	53.00	59.40	65.10			
55.0	14.45	18.85	24.00	30.10	37.20	45.50	49.10	55.00	60.40			
60.0		17.15	22.00	27.60	34.20	41.80	45.20	50.60	55.60			
65.0			19.85	25.00	31.10	38.10	41.20	46.20	50.70			
70.0			17.70	22.50	28.00	34.30	37.20	41.70	45.80			
75.0				19.85	24.80	30.60	33.10	37.20	40.90			
80.0				17.20	21.70	26.80	29.00	32.70	36.00			

Cond	Power, kW											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	6.23	6.43	6.48									
15.0	6.80	7.13	7.33	7.37								
20.0	7.31	7.77	8.11	8.31	8.34							
25.0	7.75	8.35	8.83	9.19	9.40	9.43	9.38					
30.0	8.13	8.86	9.49	10.00	10.40	10.60	10.65	10.65	10.60			
35.0	8.46	9.32	10.10	10.75	11.30	11.75	11.85	11.95	12.00			
40.0	8.72	9.71	10.65	11.45	12.20	12.80	13.00	13.20	13.40			
45.0	8.93	10.05	11.10	12.10	13.00	13.80	14.05	14.40	14.70			
50.0	9.08	10.30	11.55	12.70	13.75	14.70	15.10	15.55	15.95			
55.0	9.17	10.55	11.90	13.20	14.45	15.60	16.05	16.65	17.10			
60.0		10.70	12.20	13.65	15.10	16.45	16.95	17.65	18.25			
65.0			12.45	14.10	15.65	17.20	17.80	18.65	19.30			
70.0			12.65	14.45	16.20	17.90	18.55	19.55	20.30			
75.0				14.75	16.65	18.55	19.30	20.40	21.30			
80.0				15.00	17.05	19.15	19.95	21.20	22.20			

Cond	Current at 400 V, A											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	18.46	18.67	18.74									
15.0	18.95	19.27	19.48	19.52								
20.0	19.41	19.86	20.21	20.42	20.45							
25.0	19.84	20.41	20.92	21.31	21.54	21.57	21.51					
30.0	20.22	20.93	21.60	22.18	22.62	22.88	22.92	22.91	22.82			
35.0	20.55	21.41	22.25	23.02	23.67	24.17	24.31	24.46	24.52			
40.0	20.83	21.84	22.85	23.82	24.70	25.44	25.69	26.00	26.20			
45.0	21.05	22.21	23.41	24.58	25.69	26.68	27.04	27.52	27.87			
50.0	21.19	22.52	23.90	25.29	26.63	27.89	28.36	29.02	29.51			
55.0	21.26	22.76	24.34	25.94	27.53	29.06	29.64	30.47	31.12			
60.0		22.92	24.70	26.53	28.37	30.17	30.87	31.88	32.69			
65.0			24.99	27.05	29.15	31.23	32.04	33.24	34.22			
70.0			25.19	27.49	29.85	32.22	33.16	34.55	35.68			
75.0				27.85	30.48	33.14	34.20	35.79	37.09			
80.0				28.11	31.02	33.98	35.17	36.96	38.43			

Cond	Suction Mass Flow, g/s											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	130.50	163.00	203.00									
15.0	128.50	161.50	202.00	250.00								
20.0	127.00	159.50	199.50	248.00	306.00							
25.0	124.50	157.50	197.50	246.00	303.00	372.00	402.00					
30.0	122.00	155.00	195.00	243.00	300.00	368.00	398.00	448.00	494.00			
35.0	119.50	152.00	192.00	239.00	296.00	364.00	394.00	443.00	488.00			
40.0	116.00	149.00	188.50	236.00	292.00	359.00	389.00	438.00	482.00			
45.0	112.50	145.50	185.00	232.00	287.00	353.00	383.00	432.00	476.00			
50.0	109.00	141.50	180.50	227.00	282.00	347.00	377.00	425.00	469.00			
55.0	104.50	137.00	176.00	222.00	276.00	341.00	370.00	417.00	460.00			
60.0		132.50	170.50	216.00	270.00	333.00	362.00	409.00	452.00			
65.0			165.00	210.00	263.00	325.00	354.00	400.00	442.00			
70.0			158.50	203.00	255.00	316.00	344.00	390.00	432.00			
75.0				194.50	246.00	307.00	334.00	379.00	421.00			
80.0				186.00	237.00	297.00	324.00	368.00	409.00			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	87.7
Bore/Stroke, mm	75.7/56.0
Length/Width, mm	657/501
Height, mm	452
Net Weight, kg	190
Suction, inch	2 1/8
Discharge, inch	1 3/8
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 (MT), dBA	70
Sound Power (MT), dBA	81
Sound Power with Sound Shell (MT), dBA	67
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	52.9
Locked Rotor Current, A	230
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 50%
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
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
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
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