



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	23.00	30.00	39.10	50.30	64.20	80.80	100.50						
15.0	21.90	28.90	37.80	48.80	62.10	78.00	96.90	119.00					
20.0	20.60	27.70	36.30	47.00	59.70	75.00	93.00	114.00	138.50	166.00			
25.0		26.20	34.70	44.90	57.20	71.70	88.80	108.50	131.50	158.00	169.50	188.50	205.00
30.0		24.70	32.90	42.70	54.30	68.10	84.30	103.00	125.00	150.00	161.00	178.50	194.00
35.0			30.90	40.30	51.30	64.30	79.50	97.10	117.50	141.00	151.50	168.00	182.50
40.0				37.60	48.00	60.10	74.30	90.80	110.00	132.00	141.50	157.00	171.00
45.0				34.70	44.40	55.70	68.90	84.20	102.00	122.50	131.50	146.00	158.50
50.0					40.60	51.00	63.20	77.30	93.60	112.50	120.50	134.00	146.00
55.0					36.60	46.10	57.10	70.00	84.90	102.00	109.50		
60.0						40.80	50.80	62.30	75.80				
62.0						38.70	48.10	59.20	72.00				

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	10.15	11.35	12.40	13.35	14.10	14.55	14.65						
15.0	10.65	12.05	13.40	14.60	15.60	16.35	16.80	16.90					
20.0	11.10	12.75	14.30	15.80	17.10	18.15	18.95	19.40	19.40	18.95			
25.0		13.35	15.20	16.95	18.55	19.95	21.10	21.90	22.30	22.20	22.00	21.60	21.10
30.0		13.85	15.95	18.00	19.90	21.60	23.10	24.30	25.10	25.50	25.50	25.30	25.00
35.0			16.55	18.90	21.20	23.20	25.10	26.60	27.80	28.60	28.80	28.90	28.90
40.0				19.65	22.20	24.70	26.90	28.80	30.40	31.70	32.00	32.40	32.60
45.0				20.20	23.10	25.90	28.50	30.80	32.90	34.50	35.10	35.80	36.20
50.0					23.70	26.90	29.80	32.60	35.10	37.20	37.90	38.90	39.60
55.0					24.00	27.60	30.90	34.10	37.00	39.60	40.50		
60.0						27.90	31.70	35.30	38.70				
62.0						28.00	32.00	35.70	39.30				

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	28.78	29.84	30.94	31.97	32.79	33.31	33.39						
15.0	29.21	30.50	31.87	33.21	34.39	35.30	35.83	35.85					
20.0	29.66	31.21	32.87	34.54	36.10	37.43	38.42	38.95	38.90	38.16			
25.0		31.88	33.86	35.89	37.85	39.62	41.10	42.15	42.67	42.54	42.28	41.64	40.87
30.0		32.45	34.77	37.18	39.56	41.80	43.78	45.38	46.50	47.00	47.01	46.78	46.36
35.0			35.53	38.33	41.16	43.89	46.40	48.57	50.30	51.46	51.74	51.94	51.89
40.0				39.29	42.58	45.82	48.88	51.65	54.02	55.86	56.42	57.06	57.38
45.0				39.97	43.75	47.52	51.16	54.55	57.57	60.11	60.97	62.06	62.77
50.0					44.60	48.92	53.15	57.18	60.89	64.15	65.31	66.87	67.98
55.0					45.05	49.95	54.80	59.49	63.90	67.91	69.38		
60.0						50.53	56.02	61.39	66.52				
62.0						50.62	56.37	62.02	67.45				

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	106.00	138.50	181.00	234.00	299.00	379.00	474.00						
15.0	104.50	138.00	181.00	234.00	300.00	379.00	473.00	585.00					
20.0	102.00	137.00	180.50	234.00	299.00	378.00	471.00	582.00	712.00	864.00			
25.0		135.00	179.50	233.00	298.00	376.00	468.00	577.00	706.00	857.00	924.00	1033.00	1132.00
30.0		132.50	177.00	231.00	295.00	372.00	463.00	571.00	698.00	847.00	914.00	1022.00	1120.00
35.0			174.00	227.00	291.00	367.00	457.00	563.00	688.00	836.00	901.00	1008.00	1106.00
40.0				223.00	286.00	360.00	449.00	553.00	676.00	821.00	886.00	992.00	1089.00
45.0				217.00	279.00	352.00	438.00	541.00	662.00	804.00	869.00	973.00	1069.00
50.0					270.00	341.00	426.00	526.00	644.00	784.00	848.00	951.00	1046.00
55.0					258.00	328.00	410.00	507.00	623.00	761.00	823.00		
60.0						312.00	392.00	486.00	599.00				
62.0						305.00	383.00	476.00	588.00				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	135
Bore/Stroke, mm	75.7/57.5
Length/Width, mm	725/547
Height, mm	450
Net Weight, kg	223
Suction, inch	2 1/8
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	75
Sound Power, dBA	86
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	81.5
Locked Rotor Current, A	321
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

<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