



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	8.57	10.85	13.65	16.95						
15.0	8.03	10.25	12.90	16.10	19.80					
20.0	7.49	9.64	12.20	15.25	18.80	22.90				
25.0	6.95	9.03	11.50	14.40	17.80	21.70	26.30	28.30	31.50	
30.0	6.42	8.42	10.75	13.55	16.80	20.50	24.90	26.80	29.90	32.60
35.0	5.89	7.81	10.05	12.70	15.75	19.35	23.50	25.30	28.20	30.80
40.0	5.37	7.20	9.34	11.85	14.75	18.15	22.10	23.80	26.60	29.00
45.0	4.85	6.60	8.62	11.00	13.75	16.90	20.60	22.30	24.90	27.20
50.0		5.99	7.90	10.10	12.70	15.70	19.20	20.70	23.20	25.40
55.0			7.19	9.26	11.70	14.50	17.75	19.20	21.50	23.60
60.0			6.47	8.40	10.65	13.25	16.30	17.65		
62.0			6.18	8.05	10.25	12.75	15.70			

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	2.32	2.41	2.40	2.30						
15.0	2.48	2.62	2.69	2.66	2.52					
20.0	2.62	2.82	2.95	3.01	2.95	2.77				
25.0	2.75	3.00	3.20	3.33	3.36	3.28	3.06	2.92	2.67	
30.0	2.87	3.17	3.44	3.64	3.76	3.77	3.65	3.57	3.39	3.19
35.0	2.98	3.33	3.66	3.93	4.13	4.24	4.23	4.18	4.08	3.94
40.0	3.08	3.48	3.86	4.20	4.49	4.69	4.78	4.78	4.74	4.67
45.0	3.16	3.61	4.05	4.46	4.83	5.12	5.31	5.36	5.39	5.38
50.0		3.73	4.23	4.71	5.15	5.53	5.82	5.91	6.01	6.06
55.0			4.39	4.94	5.46	5.92	6.32	6.45	6.61	6.72
60.0			4.55	5.16	5.75	6.30	6.79	6.96		
62.0			4.61	5.24	5.86	6.45	6.98			

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	8.19	8.26	8.28	8.23						
15.0	8.32	8.43	8.49	8.48	8.39					
20.0	8.46	8.60	8.70	8.75	8.72	8.58				
25.0	8.58	8.76	8.92	9.03	9.07	9.01	8.83	8.72	8.50	
30.0	8.69	8.92	9.15	9.33	9.44	9.46	9.37	9.30	9.14	8.97
35.0	8.78	9.08	9.36	9.62	9.82	9.93	9.94	9.91	9.82	9.71
40.0	8.85	9.21	9.58	9.91	10.20	10.42	10.54	10.55	10.53	10.47
45.0	8.89	9.33	9.78	10.20	10.59	10.91	11.14	11.21	11.26	11.27
50.0		9.43	9.96	10.49	10.98	11.42	11.77	11.88	12.01	12.09
55.0			10.13	10.76	11.37	11.92	12.40	12.57	12.79	12.93
60.0			10.28	11.02	11.74	12.43	13.04	13.27		
62.0			10.33	11.12	11.89	12.63	13.30			

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	40.20	51.20	64.60	80.60						
15.0	39.00	50.00	63.30	79.30	98.20					
20.0	37.70	48.80	62.00	77.90	96.80	119.00				
25.0	36.40	47.50	60.70	76.50	95.30	117.50	143.50	155.00	174.00	
30.0	35.10	46.10	59.40	75.10	93.70	116.00	142.00	153.50	172.50	189.50
35.0	33.60	44.70	57.90	73.60	92.10	114.00	140.00	151.50	170.50	187.50
40.0	32.10	43.30	56.40	72.00	90.50	112.50	138.00	149.50	168.50	186.00
45.0	30.50	41.70	54.90	70.40	88.70	110.50	136.50	148.00	167.00	184.00
50.0		40.10	53.20	68.70	87.00	108.50	134.50	146.00	165.00	182.50
55.0			51.50	66.90	85.10	107.00	132.50	144.00	163.50	181.00
60.0			49.60	65.10	83.30	105.00	131.00	142.50		
62.0			48.90	64.30	82.60	104.50	130.50			

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m³/h	23.7
Bore/Stroke, mm	63.6/42.9
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	136
Gross Weight, kg	145
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.3
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	66
Sound Power, dBA	77
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	2107
Refrigerant's classification	A1

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

Maximum Operating Current, A	13.8
Locked Rotor Current, A	82
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted

**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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00