



Minimum Evaporating Temp. With:

25 °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
30.0	4.40	5.89	7.65	9.68	12.05	14.75	17.90	19.30	21.50	23.50
35.0	3.94	5.38	7.07	9.03	11.30	13.90	16.90	18.25	20.40	22.30
40.0	3.48	4.87	6.48	8.36	10.55	13.05	15.90	17.20	19.20	21.00
45.0		4.35	5.90	7.69	9.77	12.15	14.90	16.10	18.05	19.80
50.0		3.84	5.32	7.03	9.01	11.30	13.90	15.05	16.90	18.55
55.0			4.74	6.37	8.25	10.40	12.90	13.95	15.70	17.30
60.0			4.18	5.72	7.49	9.53	11.85	12.90	14.55	16.00
62.0				5.46	7.19	9.18	11.45	12.45	14.05	15.50

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	2.03	2.26	2.45	2.60	2.70	2.73	2.70	2.66	2.57	2.47
35.0	2.07	2.33	2.57	2.77	2.93	3.02	3.05	3.04	3.00	2.94
40.0	2.08	2.39	2.68	2.93	3.13	3.29	3.38	3.40	3.40	3.37
45.0		2.42	2.76	3.06	3.32	3.53	3.69	3.73	3.78	3.79
50.0		2.44	2.82	3.17	3.48	3.76	3.98	4.05	4.13	4.19
55.0			2.85	3.26	3.63	3.96	4.24	4.34	4.47	4.56
60.0			2.87	3.32	3.75	4.14	4.49	4.61	4.78	4.91
62.0				3.35	3.79	4.21	4.58	4.72	4.90	5.04

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
30.0	5.07	5.32	5.55	5.73	5.85	5.89	5.84	5.80	5.69	5.58
35.0	5.10	5.41	5.70	5.94	6.13	6.25	6.28	6.27	6.21	6.14
40.0	5.12	5.48	5.82	6.13	6.39	6.58	6.70	6.72	6.72	6.70
45.0		5.52	5.92	6.29	6.63	6.90	7.10	7.16	7.22	7.24
50.0		5.53	5.99	6.43	6.84	7.19	7.49	7.58	7.69	7.76
55.0			6.04	6.55	7.03	7.46	7.84	7.97	8.15	8.26
60.0			6.06	6.63	7.19	7.70	8.17	8.34	8.57	8.74
62.0				6.66	7.24	7.79	8.30	8.48	8.73	8.93

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
30.0	23.30	31.40	40.90	52.10	65.20	80.50	98.40	106.50	119.50	131.00
35.0	21.70	29.70	39.20	50.30	63.30	78.60	96.40	104.50	117.50	129.00
40.0	19.85	27.90	37.30	48.40	61.30	76.50	94.20	102.00	115.00	126.50
45.0		25.90	35.30	46.30	59.20	74.30	91.90	99.80	112.50	124.00
50.0		23.80	33.20	44.10	56.90	71.90	89.40	97.30	110.00	121.50
55.0			30.90	41.80	54.50	69.40	86.80	94.60	107.00	118.50
60.0			28.60	39.40	52.00	66.80	84.10	91.80	104.50	115.50
62.0				38.40	51.00	65.80	83.00	90.70	103.00	114.50

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	16.8
Bore/Stroke, mm	63.6/30.5
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	132
Gross Weight, kg	141
Rotalock Discharge, inch	7/8
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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	9
Locked Rotor Current, A	55
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

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

**MOTOR OPTIONS**

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