



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

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	5.23	7.17	9.58	12.50	16.00	20.00	24.70	26.70	30.00	32.90
35.0	4.62	6.44	8.71	11.45	14.75	18.60	23.00	25.00	28.10	30.80
40.0	4.05	5.75	7.88	10.50	13.55	17.20	21.40	23.20	26.20	28.80
45.0		5.11	7.10	9.53	12.45	15.85	19.80	21.60	24.40	26.90
50.0		4.51	6.36	8.62	11.35	14.55	18.30	19.95	22.60	25.00
55.0			5.66	7.76	10.30	13.30	16.80	18.35	20.90	23.10
60.0			5.01	6.94	9.28	12.05	15.35	16.80	19.15	21.30

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	2.48	2.81	3.12	3.40	3.63	3.78	3.84	3.82	3.77	3.68
35.0	2.58	2.94	3.30	3.64	3.94	4.17	4.31	4.34	4.35	4.32
40.0	2.67	3.06	3.46	3.85	4.22	4.53	4.76	4.83	4.90	4.93
45.0		3.17	3.61	4.05	4.48	4.86	5.18	5.29	5.41	5.49
50.0		3.28	3.75	4.24	4.72	5.17	5.57	5.71	5.90	6.03
55.0			3.89	4.42	4.95	5.47	5.94	6.12	6.36	6.53
60.0			4.02	4.59	5.17	5.75	6.30	6.50	6.79	7.01

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	6.62	6.98	7.34	7.68	7.96	8.15	8.21	8.20	8.12	8.01
35.0	6.72	7.13	7.55	7.96	8.33	8.63	8.81	8.85	8.86	8.82
40.0	6.82	7.27	7.74	8.23	8.69	9.08	9.39	9.48	9.57	9.61
45.0		7.40	7.93	8.48	9.02	9.52	9.94	10.08	10.25	10.36
50.0		7.53	8.11	8.72	9.34	9.93	10.46	10.65	10.90	11.08
55.0			8.27	8.95	9.64	10.33	10.97	11.20	11.53	11.77
60.0			8.44	9.17	9.93	10.70	11.45	11.73	12.13	12.44

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	31.10	41.90	55.10	70.80	89.00	110.00	133.50	144.00	160.00	174.50
35.0	28.90	39.50	52.50	68.00	86.00	106.50	130.00	140.50	156.50	170.50
40.0	26.70	37.10	50.00	65.30	83.10	103.50	127.00	137.00	153.00	167.00
45.0		34.90	47.50	62.60	80.20	100.50	123.50	133.50	149.50	164.00
50.0		32.70	45.10	60.00	77.50	97.60	120.50	130.50	146.50	160.50
55.0			42.90	57.60	74.90	94.80	117.50	127.50	143.50	157.50
60.0			40.90	55.40	72.50	92.30	115.00	125.00	141.00	155.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /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	1774
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**

<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