



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	4.18	5.78	7.76	10.15	13.00	16.35	20.20	21.80	24.50	26.90
35.0	3.62	5.12	6.99	9.26	11.95	15.10	18.75	20.30	22.90	25.20
40.0	3.07	4.48	6.24	8.38	10.90	13.90	17.35	18.85	21.30	23.50
45.0		3.86	5.51	7.51	9.90	12.70	15.95	17.40	19.70	21.80
50.0		3.27	4.80	6.67	8.91	11.55	14.60	16.00	18.15	20.10
55.0			4.11	5.84	7.93	10.40	13.30	14.55	16.65	18.50
60.0			3.45	5.04	6.97	9.27	12.00	13.20	15.10	16.85

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	2.08	2.33	2.57	2.77	2.93	3.02	3.03	3.00	2.93	2.83
35.0	2.13	2.41	2.69	2.95	3.17	3.33	3.42	3.43	3.41	3.37
40.0	2.16	2.48	2.80	3.11	3.39	3.62	3.79	3.83	3.87	3.88
45.0		2.53	2.88	3.24	3.58	3.88	4.13	4.21	4.30	4.35
50.0		2.56	2.95	3.36	3.75	4.12	4.44	4.55	4.70	4.80
55.0			3.00	3.45	3.90	4.33	4.73	4.87	5.07	5.21
60.0			3.03	3.52	4.02	4.51	4.98	5.16	5.41	5.60

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	5.18	5.47	5.76	6.01	6.21	6.33	6.33	6.30	6.20	6.07
35.0	5.23	5.57	5.91	6.23	6.51	6.72	6.84	6.85	6.83	6.77
40.0	5.28	5.65	6.04	6.43	6.79	7.09	7.32	7.38	7.43	7.44
45.0		5.71	6.15	6.60	7.04	7.44	7.77	7.88	8.00	8.08
50.0		5.74	6.23	6.75	7.27	7.76	8.19	8.34	8.55	8.68
55.0			6.29	6.87	7.47	8.04	8.58	8.78	9.06	9.26
60.0			6.33	6.97	7.63	8.30	8.94	9.18	9.53	9.80

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	24.90	33.80	44.70	57.60	72.50	89.70	109.00	117.50	131.00	142.50
35.0	22.60	31.40	42.10	54.90	69.70	86.70	106.00	114.50	127.50	139.50
40.0	20.20	28.90	39.60	52.20	66.90	83.70	103.00	111.00	124.50	136.00
45.0		26.40	36.90	49.30	63.90	80.60	99.60	108.00	121.00	132.50
50.0		23.70	34.10	46.40	60.80	77.50	96.40	104.50	118.00	129.50
55.0			31.20	43.40	57.70	74.20	93.10	101.50	114.50	126.00
60.0			28.10	40.20	54.40	70.90	89.70	98.00	111.00	123.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	19.3
Bore/Stroke, mm	63.6/35.0
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)
Sound Pressure @ 1m, dBA	65
Sound Power, dBA	76
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	10.3
Locked Rotor Current, A	55
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

**ACCESSORIES OPTIONAL**

Oil Control System	ALCO Trax-Oil OM3
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
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