



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	13.85	17.55	22.30	28.20	35.20	43.40	52.90	57.00	63.60	69.50
35.0	12.80	16.25	20.70	26.10	32.70	40.40	49.30	53.20	59.50	65.00
40.0	11.80	14.95	19.05	24.10	30.20	37.50	45.80	49.50	55.40	60.70
45.0		13.75	17.50	22.20	27.90	34.60	42.50	45.90	51.50	56.40
50.0		12.60	16.05	20.30	25.60	31.90	39.20	42.40	47.60	52.30
55.0			14.60	18.55	23.40	29.20	36.00	39.00	43.90	48.20
60.0			13.20	16.80	21.20	26.50	32.80	35.60	40.20	44.30

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	6.07	6.60	7.13	7.60	7.97	8.18	8.19	8.13	7.96	7.74
35.0	6.42	7.01	7.61	8.19	8.70	9.08	9.28	9.31	9.27	9.17
40.0	6.77	7.40	8.08	8.76	9.39	9.92	10.30	10.40	10.50	10.50
45.0		7.79	8.53	9.30	10.05	10.75	11.30	11.50	11.70	11.80
50.0		8.18	8.97	9.82	10.70	11.50	12.20	12.50	12.80	13.05
55.0			9.40	10.30	11.30	12.20	13.10	13.45	13.90	14.20
60.0			9.82	10.80	11.85	12.90	13.95	14.35	14.90	15.35

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	12.67	13.48	14.29	15.02	15.59	15.93	15.95	15.85	15.58	15.23
35.0	13.20	14.10	15.04	15.94	16.73	17.32	17.65	17.69	17.63	17.47
40.0	13.74	14.71	15.77	16.83	17.82	18.66	19.27	19.44	19.59	19.61
45.0		15.32	16.47	17.68	18.85	19.93	20.82	21.11	21.45	21.65
50.0		15.92	17.16	18.50	19.85	21.14	22.29	22.70	23.23	23.60
55.0			17.83	19.29	20.80	22.30	23.70	24.22	24.93	25.46
60.0			18.50	20.06	21.72	23.40	25.04	25.67	26.56	27.24

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	82.30	103.00	128.50	159.50	196.00	238.00	286.00	307.00	340.00	368.00
35.0	79.90	99.50	124.50	155.00	190.50	232.00	279.00	299.00	331.00	360.00
40.0	77.60	96.60	121.00	150.50	185.00	226.00	272.00	292.00	324.00	352.00
45.0		93.80	117.00	146.00	180.00	220.00	265.00	285.00	316.00	344.00
50.0		91.20	114.00	141.50	175.00	214.00	258.00	278.00	309.00	336.00
55.0			110.50	137.50	170.00	208.00	252.00	271.00	302.00	329.00
60.0			107.50	134.00	165.50	203.00	246.00	265.00	295.00	323.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m <sup>3</sup> /h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	710/370
Height, mm	490
Net Weight, kg	166
Gross Weight, kg	178
Rotalock Discharge, inch	1 1/8
Suction, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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	72
Sound Power, dBA	83
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	29
Locked Rotor Current, A	128
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Deep Oil Sump	Mounted
Capacity Control	Moduload
Crankcase Heater	70 W Internal
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	YY/Y	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	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00