



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								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	3.32	4.62	6.29	8.38	10.95	14.00	17.60	21.80	26.60
35.0	3.04	4.28	5.86	7.83	10.20	13.10	16.50	20.40	24.90
40.0	2.81	3.98	5.46	7.30	9.53	12.20	15.35	19.05	23.30
45.0	2.61	3.70	5.07	6.76	8.83	11.30	14.20	17.60	21.50
50.0	2.40	3.40	4.64	6.19	8.07	10.35	13.00	16.10	19.70
55.0	2.14	3.04	4.16	5.54	7.23	9.27	11.70	14.50	17.75

Cond °C	Power, kW								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	5.29	6.12	6.99	7.88	8.80	9.74	10.70	11.60	12.55
35.0	5.43	6.29	7.20	8.15	9.13	10.15	11.15	12.20	13.25
40.0	5.60	6.49	7.43	8.44	9.48	10.55	11.70	12.80	14.00
45.0	5.79	6.70	7.69	8.74	9.85	11.00	12.20	13.45	14.70
50.0	6.00	6.94	7.96	9.06	10.25	11.45	12.75	14.05	15.45
55.0	6.22	7.18	8.24	9.39	10.60	11.90	13.30	14.70	16.20

Cond °C	Current at 400 V, A								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	15.15	16.00	16.91	17.89	18.92	20.02	21.18	22.40	23.67
35.0	15.31	16.18	17.14	18.18	19.31	20.52	21.82	23.19	24.65
40.0	15.48	16.38	17.39	18.50	19.72	21.05	22.49	24.03	25.68
45.0	15.68	16.60	17.66	18.85	20.17	21.61	23.19	24.90	26.74
50.0	15.89	16.84	17.95	19.22	20.63	22.20	23.93	25.80	27.83
55.0	16.11	17.10	18.26	19.60	21.12	22.82	24.69	26.73	28.95

Cond °C	Suction Mass Flow, g/s								
	-60.0	-55.0	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
30.0	22.00	30.60	41.80	55.80	73.00	93.70	118.50	147.50	181.00
35.0	21.30	30.00	41.10	55.00	72.10	92.70	117.00	146.00	179.50
40.0	20.90	29.60	40.60	54.40	71.30	91.80	116.00	144.50	178.00
45.0	20.60	29.30	40.30	53.90	70.60	90.70	114.50	143.00	176.00
50.0	20.40	29.00	39.70	53.10	69.50	89.30	113.00	141.00	174.00
55.0	19.80	28.20	38.70	51.70	67.70	87.20	110.50	138.50	171.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, m <sup>3</sup> /h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	755/585
Height, mm	575
Net Weight, kg	224
Gross Weight, kg	254
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	3.3
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	381 x 305 (18)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	30.1
Locked Rotor Current, A	174
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Oil Pressure Switch	OPS2 Electronic Switch
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
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00