



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	1.82	2.57	3.48	4.58	5.89	7.43	9.23	11.30	13.70	16.35	19.40	20.70
25.0	1.57	2.27	3.12	4.16	5.38	6.83	8.51	10.45	12.70	15.20	18.05	19.30
30.0	1.32	1.98	2.78	3.74	4.89	6.23	7.80	9.62	11.70	14.05	16.75	17.90
35.0	1.06	1.69	2.44	3.33	4.40	5.64	7.10	8.79	10.70	12.95	15.45	16.50
40.0	0.82	1.40	2.11	2.93	3.91	5.06	6.41	7.96	9.76	11.80	14.15	15.15
45.0	0.57	1.13	1.78	2.54	3.44	4.49	5.72	7.15	8.80	10.70	12.85	13.80
50.0		0.85	1.45	2.15	2.96	3.92	5.04	6.35	7.85	9.59	11.55	12.45
55.0		0.58	1.12	1.76	2.49	3.36	4.37	5.55	6.91			

Cond °C	Power, kW											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	1.35	1.60	1.82	2.04	2.22	2.36	2.46	2.51	2.49	2.40	2.24	2.15
25.0	1.30	1.58	1.84	2.09	2.32	2.51	2.67	2.77	2.82	2.80	2.71	2.66
30.0	1.24	1.54	1.84	2.12	2.39	2.63	2.83	3.00	3.11	3.16	3.14	3.11
35.0	1.16	1.48	1.81	2.13	2.43	2.71	2.97	3.18	3.35	3.47	3.52	3.52
40.0	1.08	1.42	1.77	2.12	2.46	2.78	3.08	3.34	3.57	3.74	3.86	3.89
45.0	1.00	1.36	1.72	2.10	2.47	2.83	3.17	3.48	3.75	3.99	4.17	4.22
50.0		1.29	1.68	2.08	2.47	2.87	3.24	3.60	3.93	4.21	4.45	4.53
55.0		1.24	1.64	2.06	2.48	2.90	3.32	3.71	4.08			

Cond °C	Current at 400 V, A											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	3.99	4.18	4.38	4.59	4.80	4.98	5.12	5.22	5.24	5.18	5.03	4.94
25.0	3.98	4.18	4.41	4.65	4.90	5.13	5.33	5.49	5.59	5.62	5.56	5.51
30.0	3.97	4.18	4.43	4.70	4.98	5.26	5.52	5.74	5.92	6.03	6.06	6.05
35.0	3.94	4.16	4.43	4.73	5.05	5.37	5.69	5.97	6.22	6.41	6.54	6.56
40.0	3.90	4.13	4.42	4.74	5.10	5.47	5.83	6.18	6.50	6.77	6.99	7.05
45.0	3.85	4.08	4.38	4.73	5.12	5.53	5.95	6.36	6.75	7.10	7.40	7.50
50.0		4.01	4.33	4.70	5.12	5.57	6.04	6.51	6.96	7.39	7.78	7.91
55.0		3.91	4.24	4.64	5.09	5.58	6.10	6.62	7.14			

Cond °C	Suction Mass Flow, g/s											
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	11.05	15.55	21.10	27.90	36.10	45.80	57.30	70.70	86.30	104.50	125.00	134.50
25.0	9.93	14.40	19.90	26.60	34.60	44.10	55.40	68.60	84.00	102.00	122.50	132.00
30.0	8.74	13.20	18.65	25.20	33.00	42.40	53.50	66.40	81.60	99.30	120.00	129.00
35.0	7.48	11.90	17.25	23.70	31.40	40.60	51.40	64.20	79.20	96.70	117.00	126.50
40.0	6.10	10.55	15.85	22.20	29.70	38.70	49.40	61.90	76.70	94.10	114.50	123.50
45.0	4.57	9.02	14.25	20.50	27.90	36.70	47.20	59.50	74.20	91.40	111.50	121.00
50.0		7.33	12.55	18.65	25.90	34.60	44.80	57.10	71.60	88.70	109.00	118.00
55.0		5.40	10.60	16.65	23.80	32.30	42.40	54.50	68.90			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	14.5
Bore/Stroke, mm	54.0/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	83
Gross Weight, kg	89
Suction, inch	7/8
Discharge, inch	5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2
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	52
Sound Power, dBA	63
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	7.4
Locked Rotor Current, A	50.6
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
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ACCESSORIES OPTIONAL

Additional Cooling	1 or 2 ways water Coil
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
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