



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	0.95	1.23	1.56	1.96					
25.0	0.87	1.14	1.46	1.84	2.28				
30.0	0.78	1.04	1.34	1.70	2.13	2.62	2.84	3.19	3.50
35.0	0.70	0.94	1.24	1.58	1.98	2.45	2.66	2.99	3.29
40.0	0.62	0.85	1.12	1.44	1.82	2.27	2.47	2.79	3.08
45.0	0.54	0.76	1.01	1.32	1.68	2.10	2.28	2.59	2.86
50.0	0.46	0.66	0.90	1.18	1.52	1.92	2.09	2.38	2.64
55.0	0.38	0.57	0.79	1.06	1.36	1.74	1.90	2.17	2.42
60.0	0.30	0.47	0.68	0.92	1.22	1.56	1.71	1.96	
62.0	0.27	0.44	0.64	0.87	1.16	1.48	1.64	1.88	

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	0.39	0.41	0.42	0.43					
25.0	0.41	0.44	0.46	0.47	0.48				
30.0	0.43	0.47	0.50	0.52	0.53	0.54	0.54	0.53	0.52
35.0	0.45	0.49	0.53	0.56	0.58	0.60	0.60	0.60	0.60
40.0	0.46	0.51	0.55	0.59	0.62	0.65	0.66	0.66	0.66
45.0	0.47	0.53	0.58	0.62	0.66	0.70	0.71	0.72	0.73
50.0	0.48	0.54	0.60	0.65	0.70	0.74	0.76	0.78	0.79
55.0	0.48	0.55	0.61	0.67	0.73	0.78	0.80	0.82	0.84
60.0	0.48	0.55	0.62	0.69	0.75	0.81	0.83	0.86	
62.0	0.48	0.55	0.62	0.69	0.76	0.82	0.85	0.88	

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	0.77	0.80	0.82	0.82					
25.0	0.80	0.84	0.87	0.89	0.89				
30.0	0.83	0.87	0.91	0.95	0.97	0.97	0.97	0.96	0.95
35.0	0.85	0.91	0.96	1.00	1.03	1.05	1.06	1.06	1.05
40.0	0.87	0.93	1.00	1.05	1.09	1.13	1.14	1.15	1.15
45.0	0.88	0.96	1.03	1.09	1.15	1.20	1.21	1.23	1.24
50.0	0.89	0.97	1.05	1.13	1.20	1.26	1.28	1.31	1.33
55.0	0.90	0.99	1.07	1.16	1.24	1.31	1.34	1.38	1.40
60.0	0.90	0.99	1.09	1.18	1.28	1.36	1.39	1.44	
62.0	0.90	0.99	1.09	1.19	1.29	1.38	1.41	1.46	

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	5.68	7.24	9.05	11.15					
25.0	5.43	6.97	8.77	10.85	13.20				
30.0	5.16	6.69	8.47	10.50	12.90	15.55	16.75	18.60	20.20
35.0	4.86	6.38	8.14	10.20	12.55	15.20	16.35	18.20	19.85
40.0	4.53	6.04	7.79	9.81	12.15	14.80	15.95	17.80	19.45
45.0	4.16	5.67	7.41	9.41	11.70	14.35	15.50	17.35	19.00
50.0	3.75	5.27	6.99	8.98	11.25	13.85	15.00	16.85	18.45
55.0	3.30	4.82	6.54	8.50	10.75	13.35	14.45	16.25	17.90
60.0	2.80	4.33	6.03	7.97	10.20	12.75	13.85	15.65	
62.0	2.59	4.12	5.82	7.75	9.95	12.45	13.60	15.35	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	3.97
Bore/Stroke, mm	34.9/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	1/2
Discharge, inch	1/2
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	0.65
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	208 x 162 (11)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	1.8
Locked Rotor Current, A	12.2
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	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal
Additional Cooling	25 W Horizontal Air Flow Fan

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
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20