



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return + fan
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Evaporating Temperature, °C

Liquid Subcooling 0.0K

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	2.21	2.86	3.63	4.53					
25.0	2.04	2.65	3.38	4.24	5.25				
30.0	1.87	2.45	3.14	3.96	4.92	6.04	6.54	7.34	8.05
35.0	1.70	2.25	2.91	3.68	4.60	5.67	6.14	6.90	7.59
40.0	1.54	2.06	2.68	3.41	4.28	5.29	5.75	6.48	7.13
45.0	1.39	1.88	2.46	3.15	3.97	4.93	5.36	6.05	6.68
50.0	1.25	1.70	2.25	2.90	3.66	4.57	4.97		
55.0	1.10	1.54	2.05	2.65	3.37				
60.0	0.97	1.38	1.86	2.42	3.08				
62.0	0.92	1.32	1.78	2.33	2.97				

Cond °C	Power, kW								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	0.92	0.97	1.00	1.02					
25.0	0.95	1.01	1.06	1.11	1.14				
30.0	0.97	1.06	1.14	1.20	1.26	1.30	1.30	1.32	1.32
35.0	1.00	1.10	1.20	1.29	1.38	1.44	1.46	1.50	1.52
40.0	1.02	1.14	1.27	1.38	1.49	1.59	1.62	1.68	1.72
45.0	1.04	1.18	1.32	1.47	1.60	1.74	1.78	1.86	1.92
50.0	1.07	1.23	1.38	1.55	1.72	1.88	1.94		
55.0	1.09	1.26	1.44	1.64	1.83				
60.0	1.11	1.30	1.50	1.72	1.94				
62.0	1.12	1.31	1.52	1.74	1.98				

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	2.00	2.04	2.07	2.08					
25.0	2.02	2.08	2.14	2.18	2.21				
30.0	2.05	2.13	2.20	2.27	2.33	2.37	2.38	2.39	2.39
35.0	2.07	2.17	2.27	2.37	2.46	2.54	2.56	2.60	2.62
40.0	2.09	2.21	2.34	2.46	2.59	2.70	2.75	2.81	2.85
45.0	2.12	2.25	2.40	2.56	2.72	2.87	2.93	3.02	3.09
50.0	2.14	2.29	2.47	2.66	2.85	3.05	3.13		
55.0	2.16	2.33	2.53	2.75	2.98				
60.0	2.18	2.37	2.60	2.85	3.12				
62.0	2.18	2.39	2.62	2.89	3.17				

Cond °C	Mass Flow, g/s								
	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
20.0	13.30	16.80	20.90	25.70					
25.0	12.80	16.30	20.40	25.10	30.40				
30.0	12.30	15.75	19.80	24.40	29.80	35.90	38.50	42.80	46.50
35.0	11.80	15.20	19.20	23.80	29.10	35.20	37.80	42.10	45.80
40.0	11.25	14.65	18.60	23.20	28.40	34.50	37.10	41.30	45.10
45.0	10.75	14.15	18.05	22.60	27.80	33.80	36.40	40.60	44.30
50.0	10.20	13.60	17.50	22.00	27.10	33.00	35.60		
55.0	9.66	13.10	16.95	21.40	26.50				
60.0	9.14	12.65	16.50	20.80	25.90				
62.0	8.93	12.45	16.30	20.60	25.60				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	9.1
Bore/Stroke, mm	47.6/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
Suction, inch	5/8
Discharge, inch	1/2
Oil Quantity, l	0.65
Frequency Range, Hz	25 - 60
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 (11.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	3.3
Locked Rotor Current, A	19.1
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
Additional Cooling	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Emerson Industrial Automation, Unidrive M200 03 400 056

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