



Minimum Evaporating Temp. With:

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

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	1.91	2.47	3.13	3.90					
25.0	1.77	2.30	2.93	3.67	4.54				
30.0	1.63	2.13	2.73	3.44	4.27	5.23	5.66	6.35	6.96
35.0	1.49	1.96	2.53	3.20	4.00	4.92	5.33	5.99	6.58
40.0	1.36	1.80	2.34	2.98	3.73	4.61	5.00	5.63	6.19
45.0	1.22	1.65	2.15	2.75	3.46	4.30	4.67	5.27	5.80
50.0	1.09	1.50	1.97	2.53	3.20	3.99	4.34	4.90	5.41
55.0	0.97	1.34	1.79	2.32	2.94	3.68	4.00	4.54	5.02
60.0	0.84	1.20	1.62	2.11	2.68	3.37	3.67	4.17	
62.0	0.80	1.15	1.55	2.02	2.58	3.25	3.54	4.02	

50 Hz KL-15 R134a

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	0.72	0.76	0.79	0.80					
25.0	0.76	0.81	0.86	0.89	0.90				
30.0	0.79	0.86	0.92	0.97	1.01	1.02	1.02	1.02	1.01
35.0	0.82	0.90	0.98	1.05	1.10	1.14	1.15	1.16	1.16
40.0	0.84	0.94	1.04	1.12	1.20	1.26	1.28	1.30	1.31
45.0	0.87	0.98	1.09	1.20	1.28	1.36	1.39	1.42	1.45
50.0	0.89	1.02	1.14	1.26	1.37	1.46	1.50	1.54	1.58
55.0	0.91	1.04	1.18	1.32	1.44	1.56	1.60	1.66	1.70
60.0	0.92	1.07	1.22	1.36	1.50	1.64	1.69	1.76	
62.0	0.93	1.08	1.23	1.38	1.53	1.67	1.72	1.80	

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	2.07	2.10	2.12	2.13					
25.0	2.10	2.15	2.19	2.22	2.23				
30.0	2.13	2.20	2.26	2.31	2.35	2.37	2.37	2.36	2.35
35.0	2.16	2.24	2.32	2.40	2.46	2.50	2.51	2.52	2.52
40.0	2.18	2.28	2.38	2.48	2.56	2.63	2.65	2.68	2.69
45.0	2.20	2.32	2.44	2.56	2.66	2.75	2.78	2.83	2.85
50.0	2.22	2.36	2.49	2.63	2.75	2.87	2.91	2.97	3.01
55.0	2.24	2.39	2.54	2.69	2.84	2.98	3.03	3.11	3.16
60.0	2.26	2.41	2.58	2.75	2.92	3.09	3.15	3.24	
62.0	2.26	2.42	2.60	2.77	2.95	3.13	3.19	3.29	

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	10.65	13.50	16.80	20.60					
25.0	10.25	13.05	16.35	20.10	24.50				
30.0	9.86	12.65	15.85	19.60	23.90	28.80	31.00	34.40	37.40
35.0	9.43	12.20	15.40	19.10	23.40	28.20	30.40	33.70	36.70
40.0	8.99	11.70	14.90	18.55	22.80	27.60	29.70	33.10	36.10
45.0	8.53	11.25	14.35	17.95	22.10	26.90	29.00	32.40	35.30
50.0	8.04	10.75	13.85	17.40	21.50	26.20	28.30	31.60	34.50
55.0	7.54	10.25	13.30	16.80	20.80	25.40	27.50	30.70	33.70
60.0	7.01	9.73	12.75	16.15	20.10	24.60	26.60	29.80	
62.0	6.79	9.52	12.50	15.90	19.80	24.30	26.30	29.50	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	7.38
Bore/Stroke, mm	47.6/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
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	47
Sound Power, dBA	58
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	3.4
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

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