



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return with add cooling
- █ Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.04	1.48	2.04	2.71	3.52	4.47
15.0	0.94	1.35	1.87	2.51	3.27	4.17
20.0	0.84	1.22	1.71	2.31	3.03	3.88
25.0	0.74	1.10	1.55	2.11	2.79	3.59
30.0	0.64	0.97	1.40	1.92	2.55	3.31
35.0	0.54	0.85	1.24	1.73	2.32	3.03
40.0	0.45	0.73	1.10	1.54	2.09	2.75
45.0	0.37	0.62	0.95	1.36	1.87	
50.0	0.29	0.52	0.81	1.18	1.65	
55.0	0.22	0.41	0.68	1.02	1.44	

50 Hz

KL-15

R449A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	0.63	0.70	0.78	0.86	0.92	0.96
15.0	0.62	0.71	0.80	0.90	0.98	1.04
20.0	0.62	0.72	0.82	0.93	1.03	1.12
25.0	0.62	0.72	0.84	0.97	1.09	1.20
30.0	0.62	0.73	0.86	1.00	1.14	1.28
35.0	0.61	0.73	0.87	1.02	1.18	1.34
40.0	0.60	0.72	0.87	1.04	1.22	1.40
45.0	0.58	0.70	0.86	1.04	1.24	
50.0	0.55	0.68	0.84	1.04	1.25	
55.0	0.51	0.64	0.81	1.02	1.25	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.96	2.01	2.09	2.16	2.22	2.26
15.0	1.96	2.02	2.10	2.19	2.27	2.34
20.0	1.96	2.02	2.11	2.22	2.33	2.42
25.0	1.96	2.03	2.13	2.25	2.38	2.51
30.0	1.96	2.03	2.14	2.28	2.44	2.59
35.0	1.96	2.03	2.15	2.31	2.48	2.66
40.0	1.95	2.03	2.16	2.33	2.52	2.73
45.0	1.94	2.01	2.15	2.34	2.55	
50.0	1.91	1.99	2.13	2.33	2.57	
55.0	1.87	1.95	2.10	2.32	2.57	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	4.82	6.85	9.42	12.60	16.40	20.90
15.0	4.48	6.46	8.96	12.05	15.80	20.30
20.0	4.13	6.05	8.49	11.50	15.20	19.55
25.0	3.78	5.63	8.00	10.95	14.55	18.85
30.0	3.41	5.20	7.50	10.35	13.85	18.10
35.0	3.04	4.76	6.98	9.77	13.20	17.30
40.0	2.66	4.31	6.45	9.15	12.45	16.50
45.0	2.28	3.85	5.90	8.50	11.75	
50.0	1.88	3.37	5.33	7.84	10.95	
55.0	1.49	2.88	4.75	7.15	10.20	

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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1397
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