



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.86	1.20	1.62	2.12	2.73	3.43	4.25
25.0	0.76	1.08	1.48	1.96	2.53	3.19	3.97
30.0	0.66	0.96	1.34	1.79	2.32	2.95	3.68
35.0	0.56	0.84	1.20	1.62	2.12	2.71	3.39
40.0	0.46	0.73	1.06	1.44	1.91	2.46	3.10
45.0	0.36	0.61	0.91	1.28	1.70	2.21	2.80
50.0		0.50	0.77	1.10	1.50	1.96	2.50
55.0		0.38	0.63	0.93	1.28	1.70	

60Hz

KL-15X

R404A Dew Point

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	0.89	0.98	1.08	1.16	1.25	1.32	1.38
25.0	0.87	0.98	1.09	1.20	1.30	1.39	1.48
30.0	0.85	0.97	1.09	1.22	1.34	1.46	1.57
35.0	0.82	0.95	1.09	1.24	1.38	1.52	1.66
40.0	0.77	0.92	1.08	1.25	1.41	1.58	1.75
45.0	0.72	0.89	1.06	1.25	1.44	1.64	1.84
50.0		0.84	1.04	1.25	1.46	1.68	1.92
55.0		0.79	1.01	1.24	1.48	1.72	

Cond °C	Current at 380 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	2.53	2.62	2.72	2.81	2.90	2.97	3.03
25.0	2.52	2.63	2.74	2.85	2.97	3.07	3.17
30.0	2.50	2.62	2.75	2.88	3.02	3.16	3.30
35.0	2.46	2.59	2.74	2.90	3.07	3.25	3.42
40.0	2.41	2.56	2.73	2.92	3.11	3.32	3.54
45.0	2.35	2.51	2.70	2.92	3.15	3.39	3.65
50.0		2.46	2.67	2.91	3.17	3.46	3.76
55.0		2.39	2.63	2.90	3.19	3.51	

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
20.0	5.20	7.27	9.82	12.90	16.65	21.00	26.20
25.0	4.80	6.86	9.40	12.45	16.15	20.50	25.70
30.0	4.36	6.42	8.94	12.00	15.65	19.95	25.10
35.0	3.89	5.94	8.43	11.45	15.05	19.35	24.40
40.0	3.39	5.42	7.89	10.85	14.40	18.65	23.70
45.0	2.85	4.86	7.29	10.20	13.75	17.90	22.90
50.0		4.25	6.64	9.52	13.00	17.10	22.10
55.0		3.59	5.94	8.76	12.15	16.25	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 60 Hz, m ³ /h	8.91
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
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	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 60 Hz)

Maximum Operating Current, A	4.1
Locked Rotor Current, A	25.6
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
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
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.44
EWL	380-420 V / 3~ / 50 Hz	400		Y	0.83
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	0.83
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	1.75
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	0.83