



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-	15.0-	10.0-	5.0-
25.0	0.15	0.29	0.45	0.65	0.88	1.16	1.50	1.88	2.34	2.86
30.0		0.23	0.39	0.58	0.80	1.07	1.39	1.76	2.19	2.68
35.0		0.18	0.33	0.51	0.72	0.98	1.28	1.63	2.04	2.51
40.0			0.27	0.44	0.64	0.88	1.17	1.50	1.89	2.34
45.0			0.21	0.37	0.57	0.79	1.06	1.38	1.74	2.17
50.0				0.31	0.49	0.70	0.96	1.26	1.60	
55.0				0.25	0.42	0.62	0.86	1.14	1.46	

50Hz

KM-5X

R22

Cond °C	Power, kW									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	0.28	0.33	0.39	0.45	0.50	0.55	0.59	0.62	0.65	0.66
30.0		0.32	0.38	0.45	0.51	0.57	0.62	0.66	0.70	0.73
35.0		0.30	0.37	0.45	0.52	0.58	0.64	0.70	0.75	0.79
40.0			0.36	0.44	0.52	0.59	0.66	0.73	0.79	0.84
45.0			0.34	0.43	0.52	0.60	0.68	0.76	0.83	0.89
50.0				0.42	0.51	0.60	0.69	0.78	0.86	
55.0				0.40	0.50	0.60	0.70	0.80	0.89	

Cond °C	Current at 400 V, A									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	1.22	1.25	1.28	1.32	1.36	1.41	1.45	1.48	1.50	1.51
30.0		1.24	1.28	1.32	1.37	1.42	1.47	1.52	1.55	1.58
35.0		1.23	1.27	1.32	1.38	1.44	1.50	1.56	1.61	1.65
40.0			1.26	1.32	1.38	1.45	1.52	1.59	1.65	1.71
45.0			1.25	1.31	1.38	1.46	1.54	1.62	1.70	1.77
50.0				1.30	1.38	1.46	1.55	1.65	1.74	
55.0				1.28	1.37	1.46	1.56	1.67	1.77	

Cond °C	Mass Flow, g/s									
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
25.0	0.78	1.46	2.29	3.30	4.53	5.99	7.73	9.77	12.15	14.95
30.0		1.22	2.05	3.05	4.25	5.69	7.40	9.42	11.80	14.55
35.0		0.97	1.79	2.78	3.96	5.38	7.06	9.04	11.35	14.10
40.0			1.52	2.49	3.66	5.05	6.70	8.65	10.95	13.60
45.0			1.24	2.20	3.34	4.71	6.33	8.24	10.50	13.15
50.0				1.90	3.02	4.36	5.95	7.83	10.05	
55.0				1.60	2.69	4.00	5.56	7.40	9.59	

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
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)
Sound Pressure @ 1m (LT), dBA	45
Sound Power (LT), dBA	56
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
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
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 02 400 032

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