



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											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	0.64	0.89	1.20	1.58	2.03	2.57	3.19	3.91	4.74	5.67	6.72	7.18
25.0	0.55	0.79	1.08	1.44	1.86	2.36	2.95	3.62	4.39	5.27	6.26	6.69
30.0	0.46	0.69	0.97	1.30	1.70	2.16	2.70	3.33	4.05	4.87	5.79	6.20
35.0	0.38	0.60	0.85	1.16	1.53	1.96	2.46	3.04	3.71	4.47	5.33	5.71
40.0	0.30	0.50	0.75	1.03	1.37	1.76	2.23	2.76	3.38	4.08	4.88	5.23
45.0	0.23	0.42	0.64	0.90	1.22	1.58	2.00	2.48	3.05	3.69	4.43	4.75
50.0	0.16	0.34	0.54	0.78	1.06	1.38	1.77	2.21	2.72	3.31	3.98	4.27
55.0		0.26	0.45	0.66	0.92	1.20	1.54	1.94	2.40	2.93	3.54	3.80

50Hz

DKJ-10X

R404A Dew Point

Cond °C	Power, kW											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	0.52	0.61	0.69	0.77	0.84	0.90	0.94	0.96	0.96	0.94	0.89	0.87
25.0	0.50	0.60	0.69	0.78	0.86	0.94	0.99	1.03	1.06	1.06	1.03	1.02
30.0	0.48	0.58	0.69	0.79	0.88	0.97	1.04	1.10	1.15	1.17	1.17	1.16
35.0	0.46	0.57	0.68	0.80	0.90	1.00	1.09	1.17	1.23	1.28	1.30	1.30
40.0	0.44	0.56	0.68	0.80	0.92	1.03	1.14	1.23	1.31	1.38	1.42	1.44
45.0	0.42	0.54	0.67	0.80	0.93	1.05	1.17	1.28	1.38	1.47	1.54	1.56
50.0	0.40	0.53	0.66	0.79	0.93	1.07	1.20	1.33	1.45	1.56	1.64	1.68
55.0		0.50	0.64	0.79	0.93	1.08	1.23	1.37	1.50	1.63	1.74	1.78

Cond °C	Current at 400 V, A											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	1.59	1.66	1.73	1.81	1.89	1.95	2.01	2.04	2.06	2.04	1.98	1.95
25.0	1.59	1.66	1.75	1.83	1.92	2.00	2.08	2.14	2.17	2.19	2.17	2.15
30.0	1.59	1.66	1.75	1.85	1.95	2.05	2.14	2.22	2.28	2.32	2.34	2.33
35.0	1.59	1.66	1.75	1.85	1.97	2.08	2.19	2.30	2.39	2.46	2.50	2.51
40.0	1.57	1.65	1.75	1.86	1.98	2.11	2.24	2.37	2.48	2.58	2.66	2.69
45.0	1.56	1.64	1.74	1.86	1.99	2.14	2.29	2.43	2.57	2.70	2.81	2.85
50.0	1.54	1.62	1.72	1.85	2.00	2.16	2.32	2.49	2.66	2.82	2.96	3.01
55.0		1.60	1.71	1.84	2.00	2.17	2.36	2.55	2.74	2.92	3.10	3.16

Cond °C	Mass Flow, g/s											
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0
20.0	3.86	5.39	7.30	9.64	12.45	15.85	19.80	24.50	29.90	36.10	43.40	46.60
25.0	3.48	5.00	6.89	9.19	11.95	15.25	19.15	23.70	29.10	35.30	42.50	45.60
30.0	3.08	4.61	6.47	8.74	11.45	14.70	18.50	23.00	28.30	34.40	41.50	44.70
35.0	2.67	4.20	6.04	8.27	10.95	14.10	17.85	22.30	27.40	33.50	40.50	43.60
40.0	2.25	3.78	5.61	7.79	10.40	13.50	17.15	21.50	26.60	32.50	39.50	42.60
45.0	1.81	3.35	5.16	7.30	9.84	12.85	16.45	20.70	25.70	31.60	38.50	41.60
50.0	1.36	2.91	4.70	6.80	9.28	12.25	15.75	19.90	24.80	30.60	37.50	40.60
55.0		2.46	4.24	6.30	8.72	11.60	15.00	19.10	23.90	29.70	36.60	39.70

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	5.13
Bore/Stroke, mm	39.7/23.8
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)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
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~ / 50 Hz)**

Maximum Operating Current, A	3.2
Locked Rotor Current, A	15.5
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
------------------	---

**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 02 400 041

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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