



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	0.84	1.16	1.54	2.00	2.55	3.19	3.94	4.81	5.80	6.92	8.20	8.75
25.0	0.75	1.04	1.40	1.84	2.35	2.95	3.65	4.46	5.40	6.46	7.66	8.18
30.0	0.66	0.94	1.28	1.68	2.15	2.71	3.37	4.13	5.00	6.00	7.13	7.62
35.0	0.57	0.83	1.14	1.52	1.96	2.48	3.09	3.80	4.61	5.55	6.61	7.07
40.0	0.48	0.73	1.02	1.36	1.77	2.25	2.82	3.47	4.23	5.10	6.09	6.53
45.0	0.40	0.63	0.90	1.21	1.58	2.03	2.55	3.15	3.85	4.66		
50.0	0.31	0.53	0.78	1.06	1.40	1.80	2.28	2.83	3.48			
55.0		0.43	0.66	0.92	1.23	1.59	2.02					

50Hz

DKSJ-15X

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	0.64	0.76	0.87	0.98	1.08	1.15	1.20	1.21	1.18	1.11	0.98	0.91
25.0	0.63	0.75	0.87	1.00	1.11	1.20	1.28	1.32	1.34	1.30	1.21	1.16
30.0	0.62	0.74	0.87	1.01	1.14	1.26	1.36	1.42	1.46	1.47	1.42	1.39
35.0	0.60	0.72	0.86	1.01	1.16	1.29	1.42	1.52	1.58	1.62	1.62	1.60
40.0	0.58	0.71	0.85	1.01	1.16	1.32	1.46	1.59	1.70	1.76	1.80	1.80
45.0	0.58	0.70	0.85	1.01	1.18	1.34	1.51	1.66	1.79	1.90		
50.0	0.57	0.69	0.84	1.01	1.18	1.37	1.55	1.72	1.88			
55.0		0.70	0.84	1.02	1.20	1.40	1.60					

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	1.87	1.94	2.04	2.14	2.24	2.34	2.41	2.46	2.47	2.44	2.36	2.31
25.0	1.85	1.93	2.03	2.15	2.27	2.38	2.48	2.56	2.61	2.62	2.58	2.55
30.0	1.84	1.92	2.04	2.16	2.30	2.44	2.57	2.68	2.76	2.81	2.81	2.80
35.0	1.84	1.93	2.05	2.19	2.34	2.50	2.66	2.80	2.91	3.00	3.05	3.06
40.0	1.85	1.94	2.06	2.22	2.39	2.57	2.74	2.91	3.07	3.19	3.28	3.31
45.0	1.85	1.94	2.07	2.24	2.42	2.62	2.83	3.03	3.21	3.38		
50.0	1.84	1.93	2.07	2.25	2.45	2.67	2.90	3.12	3.34			
55.0		1.91	2.06	2.24	2.46	2.70	2.95					

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	5.11	7.03	9.38	12.20	15.60	19.65	24.40	30.00	36.50	44.10	52.90	56.80
25.0	4.74	6.65	8.96	11.75	15.10	19.05	23.80	29.30	35.70	43.20	52.00	55.90
30.0	4.37	6.26	8.53	11.25	14.55	18.45	23.10	28.50	34.90	42.40	51.10	54.90
35.0	3.99	5.86	8.10	10.80	14.00	17.85	22.40	27.80	34.10	41.50	50.20	54.10
40.0	3.59	5.45	7.66	10.30	13.45	17.20	21.70	27.00	33.30	40.70	49.30	53.20
45.0	3.16	5.01	7.19	9.78	12.85	16.55	21.00	26.20	32.50	39.80		
50.0	2.69	4.55	6.70	9.25	12.30	15.90	20.30	25.50	31.70			
55.0		4.04	6.18	8.70	11.70	15.25	19.60					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	6.33
Bore/Stroke, mm	40.0/29.4
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	40
Gross Weight, kg	42
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	53
Sound Power, dBA	64
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	3.4
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
Inverter	Emerson Industrial Automation, Unidrive M200 03 400 056

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