



Minimum Evaporating Temp. With:

- 25 °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											
	-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	2.54	3.18	3.93	4.79	5.78	6.91	8.18	8.73
25.0	0.74	1.04	1.40	1.83	2.34	2.94	3.64	4.45	5.38	6.44	7.64	8.16
30.0	0.65	0.93	1.27	1.67	2.14	2.70	3.36	4.11	4.98	5.98	7.11	7.60
35.0	0.56	0.83	1.14	1.51	1.95	2.47	3.08	3.78	4.59	5.53	6.59	7.05
40.0	0.48	0.72	1.01	1.36	1.76	2.24	2.80	3.45	4.21	5.08	6.07	6.50
45.0	0.39	0.62	0.89	1.20	1.58	2.01	2.53	3.13	3.83	4.63		
50.0	0.31	0.52	0.77	1.06	1.40	1.80	2.26	2.81	3.45			
55.0		0.42	0.65	0.91	1.22	1.58	2.00					

50 Hz

KSJ-15

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	Suction 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	5.13	7.07	9.43	12.30	15.70	19.80	24.60	30.20	36.80	44.50	53.40	57.30
25.0	4.76	6.68	9.01	11.80	15.20	19.20	23.90	29.50	36.00	43.60	52.40	56.40
30.0	4.39	6.29	8.58	11.35	14.65	18.55	23.20	28.70	35.20	42.70	51.50	55.50
35.0	4.00	5.88	8.14	10.85	14.10	17.95	22.50	28.00	34.30	41.80	50.60	54.60
40.0	3.59	5.46	7.69	10.35	13.50	17.30	21.80	27.20	33.50	41.00	49.80	53.70
45.0	3.15	5.02	7.22	9.83	12.95	16.65	21.10	26.40	32.70	40.20		
50.0	2.68	4.55	6.72	9.29	12.35	16.00	20.40	25.70	31.90			
55.0		4.03	6.19	8.73	11.75	15.35	19.70					

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
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)
Sound Pressure @ 1m, dBA	53
Sound Power, dBA	64
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	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

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