



Minimum Evaporating Temp. With:
█ 25 °C Suction Gas Return with add cooling
█ Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	1.62	2.09	2.64	3.30					
25.0	1.50	1.96	2.50	3.13	3.88				
30.0	1.40	1.83	2.35	2.96	3.68	4.52	4.89	5.49	6.02
35.0	1.28	1.70	2.20	2.79	3.48	4.29	4.65	5.23	5.75
40.0	1.16	1.56	2.04	2.61	3.28	4.06	4.41	4.96	5.47
45.0	1.03	1.42	1.88	2.43	3.07	3.82	4.15	4.69	5.18
50.0	0.91	1.28	1.72	2.24	2.86	3.58	3.90	4.42	4.88
55.0	0.78	1.14	1.56	2.05	2.64	3.33	3.63	4.13	4.58
60.0	0.65	0.99	1.39	1.86	2.42	3.07	3.36	3.84	
62.0	0.59	0.93	1.32	1.78	2.33	2.97	3.25	3.72	

50 Hz		KSJ-10								R134a
Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	0.59	0.62	0.64	0.65						
25.0	0.62	0.66	0.70	0.72	0.73					
30.0	0.65	0.70	0.75	0.79	0.81	0.82	0.82	0.81	0.80	
35.0	0.67	0.74	0.80	0.85	0.89	0.91	0.92	0.92	0.92	
40.0	0.69	0.77	0.84	0.91	0.96	1.00	1.02	1.02	1.03	
45.0	0.70	0.79	0.88	0.96	1.03	1.08	1.10	1.12	1.14	
50.0	0.71	0.81	0.91	1.01	1.09	1.16	1.18	1.22	1.24	
55.0	0.71	0.82	0.94	1.04	1.14	1.23	1.27	1.30	1.34	
60.0	0.71	0.83	0.95	1.08	1.19	1.30	1.34	1.39		
62.0	0.71	0.83	0.96	1.08	1.20	1.32	1.36	1.42		
Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	1.69	1.71	1.73	1.74						
25.0	1.72	1.75	1.79	1.81	1.82					
30.0	1.74	1.79	1.84	1.88	1.90	1.91	1.91	1.90	1.88	
35.0	1.77	1.83	1.89	1.94	1.98	2.01	2.02	2.02	2.01	
40.0	1.78	1.86	1.93	2.00	2.06	2.11	2.12	2.14	2.14	
45.0	1.80	1.88	1.97	2.06	2.14	2.20	2.22	2.25	2.27	
50.0	1.80	1.90	2.00	2.11	2.20	2.29	2.32	2.36	2.39	
55.0	1.80	1.91	2.03	2.15	2.27	2.38	2.42	2.47	2.51	
60.0	1.80	1.92	2.05	2.19	2.33	2.46	2.51	2.58		
62.0	1.79	1.92	2.06	2.20	2.35	2.49	2.54	2.62		
Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
20.0	9.00	11.40	14.20	17.45						
25.0	8.74	11.15	13.95	17.20	20.90					
30.0	8.44	10.85	13.65	16.90	20.70	24.90	26.80	29.70	32.30	
35.0	8.10	10.55	13.35	16.60	20.30	24.60	26.50	29.50	32.10	
40.0	7.70	10.15	13.00	16.25	20.00	24.30	26.20	29.20	31.80	
45.0	7.24	9.72	12.55	15.85	19.60	23.90	25.80	28.80	31.50	
50.0	6.70	9.23	12.10	15.40	19.20	23.50	25.40	28.40	31.10	
55.0	6.08	8.66	11.55	14.90	18.70	23.00	24.90	28.00	30.70	
60.0	5.37	8.01	10.95	14.30	18.10	22.50	24.40	27.40		
62.0	5.05	7.72	10.70	14.05	17.85	22.20	24.10	27.20		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	6.33
Bore/Stroke, mm	39.7/29.4
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	50
Sound Power, dBA	61
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	3
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

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