



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	1.37	1.78	2.26	2.83					
25.0	1.26	1.64	2.10	2.64	3.27				
30.0	1.14	1.50	1.94	2.45	3.05	3.75	4.06	4.56	5.00
35.0	1.02	1.37	1.78	2.26	2.83	3.50	3.79	4.27	4.69
40.0	0.91	1.24	1.62	2.08	2.62	3.25	3.53	3.98	4.38
45.0	0.80	1.10	1.46	1.90	2.40	2.99	3.26	3.68	4.07
50.0	0.69	0.98	1.32	1.72	2.19	2.74	2.99	3.39	3.75
55.0	0.58	0.85	1.16	1.54	1.98	2.49	2.72	3.10	3.44
60.0	0.48	0.73	1.02	1.36	1.76	2.24	2.45	2.80	
62.0	0.44	0.68	0.96	1.29	1.68	2.14	2.35	2.68	

50 Hz		KJ-7								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	0.49	0.51	0.52	0.52						
25.0	0.51	0.54	0.57	0.58	0.58					
30.0	0.53	0.58	0.61	0.64	0.66	0.66	0.66	0.66	0.65	
35.0	0.55	0.60	0.65	0.69	0.73	0.75	0.76	0.76	0.76	
40.0	0.57	0.63	0.69	0.75	0.80	0.84	0.85	0.87	0.88	
45.0	0.59	0.66	0.73	0.80	0.86	0.92	0.94	0.97	1.00	
50.0	0.60	0.68	0.76	0.85	0.93	1.01	1.03	1.08	1.11	
55.0	0.62	0.70	0.80	0.89	0.99	1.08	1.12	1.18	1.22	
60.0	0.63	0.72	0.83	0.94	1.04	1.16	1.20	1.27		
62.0	0.63	0.73	0.84	0.95	1.07	1.19	1.24	1.31		
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	1.15	1.17	1.18	1.17						
25.0	1.17	1.20	1.23	1.24	1.24					
30.0	1.20	1.24	1.28	1.31	1.33	1.34	1.34	1.33	1.32	
35.0	1.22	1.27	1.33	1.38	1.42	1.45	1.46	1.46	1.47	
40.0	1.24	1.31	1.38	1.44	1.50	1.56	1.58	1.60	1.62	
45.0	1.25	1.34	1.42	1.51	1.59	1.67	1.70	1.74	1.77	
50.0	1.27	1.36	1.46	1.57	1.67	1.78	1.82	1.87	1.92	
55.0	1.29	1.39	1.50	1.63	1.75	1.88	1.93	2.01	2.07	
60.0	1.30	1.41	1.54	1.68	1.83	1.99	2.05	2.15		
62.0	1.30	1.42	1.56	1.71	1.87	2.03	2.10	2.21		
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	7.64	9.73	12.15	14.95						
25.0	7.28	9.34	11.75	14.50	17.65					
30.0	6.90	8.92	11.30	14.00	17.10	20.70	22.20	24.70	26.80	
35.0	6.49	8.48	10.80	13.50	16.55	20.10	21.60	24.00	26.20	
40.0	6.04	8.02	10.30	12.95	16.00	19.45	21.00	23.40	25.50	
45.0	5.58	7.53	9.78	12.35	15.35	18.75	20.30	22.60	24.80	
50.0	5.08	7.02	9.22	11.75	14.70	18.05	19.50	21.80	23.90	
55.0	4.54	6.47	8.64	11.10	13.95	17.25	18.70	21.00	23.00	
60.0	3.98	5.90	8.03	10.45	13.20	16.40	17.80	20.00		
62.0	3.74	5.67	7.78	10.15	12.90	16.05	17.40	19.65		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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
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	45
Sound Power, dBA	56
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	2.4
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

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