



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	2.39	3.07	3.89	4.87					
25.0	2.24	2.89	3.69	4.63	5.74				
30.0	2.08	2.71	3.47	4.38	5.45	6.69	7.24	8.12	8.91
35.0	1.91	2.52	3.25	4.12	5.14	6.33	6.86	7.71	8.47
40.0	1.74	2.32	3.02	3.85	4.83	5.97	6.47	7.29	8.02
45.0	1.57	2.13	2.79	3.57	4.50	5.59	6.07	6.85	7.55
50.0	1.40	1.92	2.55	3.29	4.17	5.20	5.66	6.41	7.08
55.0	1.24	1.72	2.31	3.00	3.83	4.81	5.24	5.95	6.59
60.0	1.07	1.52	2.07	2.72	3.49	4.41	4.82	5.49	6.10
62.0	1.01	1.44	1.97	2.60	3.35	4.25	4.65	5.30	5.90

50 Hz KSL-20 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	0.89	0.96	1.01	1.04					
25.0	0.93	1.01	1.08	1.14	1.18				
30.0	0.96	1.06	1.14	1.23	1.28	1.32	1.33	1.33	1.32
35.0	0.98	1.09	1.20	1.30	1.38	1.44	1.46	1.48	1.49
40.0	1.00	1.12	1.24	1.36	1.46	1.56	1.58	1.62	1.64
45.0	1.01	1.14	1.28	1.42	1.54	1.66	1.70	1.75	1.78
50.0	1.01	1.16	1.31	1.46	1.61	1.74	1.80	1.86	1.92
55.0	1.02	1.17	1.34	1.50	1.67	1.82	1.88	1.97	2.03
60.0	1.02	1.18	1.36	1.54	1.72	1.90	1.97	2.07	2.15
62.0	1.02	1.19	1.36	1.56	1.74	1.93	2.00	2.11	2.19

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	2.22	2.27	2.30	2.29					
25.0	2.28	2.36	2.42	2.45	2.45				
30.0	2.31	2.42	2.51	2.58	2.62	2.63	2.63	2.61	2.59
35.0	2.32	2.46	2.58	2.68	2.76	2.81	2.83	2.84	2.84
40.0	2.32	2.48	2.63	2.76	2.87	2.97	3.00	3.04	3.07
45.0	2.32	2.49	2.66	2.82	2.97	3.10	3.15	3.22	3.27
50.0	2.31	2.50	2.69	2.87	3.05	3.22	3.28	3.38	3.45
55.0	2.31	2.51	2.72	2.92	3.13	3.33	3.41	3.52	3.61
60.0	2.33	2.54	2.76	2.98	3.21	3.44	3.53	3.66	3.77
62.0	2.34	2.55	2.77	3.00	3.24	3.48	3.57	3.72	3.84

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	13.30	16.80	20.90	25.70					
25.0	12.95	16.45	20.60	25.40	30.90				
30.0	12.55	16.10	20.20	25.00	30.50	36.80	39.60	44.00	47.80
35.0	12.10	15.60	19.75	24.50	30.00	36.30	39.10	43.40	47.30
40.0	11.55	15.10	19.20	24.00	29.50	35.70	38.50	42.80	46.70
45.0	10.95	14.50	18.60	23.30	28.80	35.00	37.70	42.10	46.00
50.0	10.30	13.85	17.90	22.60	28.00	34.20	36.90	41.30	45.10
55.0	9.62	13.10	17.10	21.80	27.10	33.30	36.00	40.30	44.20
60.0	8.88	12.30	16.25	20.90	26.20	32.30	34.90	39.30	43.10
62.0	8.57	12.00	15.90	20.50	25.70	31.80	34.50	38.80	42.70

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	9.10
Bore/Stroke, mm	47.6/29.4
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)
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	4.7
Locked Rotor Current, A	23.3
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