



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
20.0	1.26	1.70	2.24	2.89	3.67	4.58	5.63	6.84	8.22
25.0	1.12	1.54	2.05	2.67	3.40	4.25	5.24	6.39	7.69
30.0	0.99	1.39	1.87	2.45	3.13	3.93	4.86	5.93	7.16
35.0	0.86	1.24	1.69	2.23	2.86	3.61	4.48	5.48	6.63
40.0	0.74	1.09	1.52	2.01	2.60	3.29	4.10	5.03	6.10
45.0	0.62	0.95	1.34	1.80	2.34	2.98	3.72	4.58	5.57
50.0	0.50	0.81	1.16	1.58	2.08	2.66	3.34	4.13	
55.0		0.67	1.00	1.38	1.82	2.35	2.97		

50 Hz

KSL-20

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
20.0	0.88	1.02	1.16	1.30	1.42	1.54	1.64	1.72	1.79
25.0	0.88	1.04	1.20	1.34	1.50	1.64	1.76	1.88	1.98
30.0	0.88	1.04	1.22	1.38	1.56	1.72	1.88	2.02	2.15
35.0	0.86	1.04	1.23	1.42	1.60	1.80	1.98	2.15	2.31
40.0	0.84	1.03	1.23	1.44	1.64	1.86	2.06	2.27	2.46
45.0	0.81	1.02	1.23	1.45	1.68	1.92	2.15	2.37	2.60
50.0	0.78	1.00	1.23	1.46	1.71	1.96	2.22	2.48	
55.0		0.98	1.22	1.47	1.74	2.01	2.29		

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
20.0	2.18	2.34	2.51	2.67	2.81	2.91	2.98	3.00	2.96
25.0	2.21	2.38	2.57	2.76	2.93	3.09	3.22	3.30	3.33
30.0	2.21	2.40	2.60	2.81	3.03	3.23	3.41	3.55	3.66
35.0	2.20	2.39	2.61	2.84	3.09	3.33	3.56	3.77	3.94
40.0	2.17	2.37	2.60	2.86	3.13	3.41	3.69	3.96	4.20
45.0	2.15	2.34	2.58	2.86	3.16	3.48	3.80	4.12	4.42
50.0	2.12	2.32	2.56	2.85	3.18	3.53	3.90	4.27	
55.0		2.30	2.55	2.86	3.21	3.59	4.00		

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
20.0	7.65	10.40	13.75	17.80	22.70	28.50	35.30	43.20	52.40
25.0	7.16	9.88	13.20	17.25	22.00	27.80	34.50	42.30	51.40
30.0	6.65	9.36	12.65	16.65	21.40	27.00	33.70	41.40	50.50
35.0	6.12	8.83	12.10	16.00	20.70	26.30	32.80	40.50	49.50
40.0	5.57	8.26	11.50	15.35	20.00	25.50	31.90	39.60	48.50
45.0	4.98	7.67	10.85	14.70	19.25	24.60	31.10	38.60	47.60
50.0	4.35	7.04	10.20	13.95	18.45	23.80	30.10	37.70	
55.0		6.37	9.51	13.25	17.65	22.90	29.20		

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	3922
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