



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return with add cooling
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	2.23	2.87	3.64	4.56					
25.0	2.08	2.69	3.44	4.32	5.37				
30.0	1.92	2.51	3.22	4.07	5.07	6.24	6.75	7.58	8.32
35.0	1.76	2.32	3.00	3.81	4.77	5.88	6.37	7.17	7.88
40.0	1.60	2.13	2.78	3.54	4.45	5.51	5.98	6.74	7.42
45.0	1.42	1.94	2.54	3.27	4.13	5.14	5.58	6.31	6.96
50.0	1.26	1.74	2.31	2.99	3.80	4.75	5.18	5.86	6.48
55.0	1.10	1.54	2.07	2.71	3.47	4.36	4.76	5.41	5.99
60.0	0.94	1.35	1.84	2.43	3.13	3.96	4.34	4.95	5.50
62.0	0.88	1.28	1.74	2.31	2.99	3.80	4.17	4.76	5.30

50 Hz

DKSL-20X

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	13.35	16.85	21.00	25.80					
25.0	13.00	16.55	20.70	25.50	31.10				
30.0	12.60	16.15	20.30	25.10	30.70	37.00	39.80	44.20	48.10
35.0	12.15	15.70	19.85	24.60	30.20	36.50	39.30	43.70	47.50
40.0	11.60	15.15	19.30	24.10	29.60	35.90	38.60	43.00	46.90
45.0	11.00	14.55	18.65	23.40	28.90	35.20	37.90	42.30	46.20
50.0	10.35	13.90	17.95	22.70	28.10	34.40	37.10	41.50	45.30
55.0	9.64	13.15	17.20	21.90	27.20	33.40	36.20	40.50	44.40
60.0	8.89	12.35	16.30	20.90	26.30	32.40	35.10	39.40	43.30
62.0	8.58	12.00	15.95	20.50	25.80	31.90	34.60	39.00	42.90

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /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
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	25 W Horizontal Air Flow Fan
Additional Cooling	7 W Vertical Air Flow Fan
Crankcase Heater	27 W Internal

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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