



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°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	2.25	2.90	3.68	4.59	5.65	6.86	8.24
25.0	1.12	1.55	2.06	2.68	3.41	4.27	5.26	6.41	7.71
30.0	1.00	1.40	1.88	2.46	3.14	3.95	4.88	5.95	7.18
35.0	0.87	1.25	1.70	2.24	2.88	3.63	4.50	5.50	6.65
40.0	0.74	1.10	1.52	2.02	2.62	3.31	4.12	5.05	6.13
45.0	0.62	0.96	1.35	1.81	2.36	3.00	3.74	4.61	5.60
50.0	0.51	0.82	1.18	1.60	2.10	2.68	3.37	4.16	
55.0		0.68	1.01	1.39	1.84	2.37	2.99		

50 Hz

DKSL-20X

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	7.61	10.35	13.65	17.70	22.60	28.30	35.00	42.90	52.00
25.0	7.13	9.83	13.15	17.15	21.90	27.60	34.20	42.00	51.10
30.0	6.62	9.32	12.60	16.55	21.30	26.80	33.40	41.10	50.10
35.0	6.10	8.79	12.05	15.90	20.60	26.10	32.60	40.20	49.20
40.0	5.56	8.24	11.45	15.30	19.85	25.30	31.70	39.30	48.20
45.0	4.98	7.65	10.85	14.60	19.10	24.50	30.80	38.40	47.20
50.0	4.36	7.03	10.20	13.90	18.35	23.60	29.90	37.40	
55.0		6.37	9.49	13.15	17.55	22.80	29.00		

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
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

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