



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return + fan
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

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	1.48	2.01	2.65	3.43	4.34	5.42	6.66	8.09	9.73
25.0	1.33	1.82	2.43	3.16	4.02	5.03	6.21	7.56	9.10
30.0	1.18	1.64	2.22	2.90	3.71	4.66	5.76	7.02	8.47
35.0	1.02	1.47	2.01	2.64	3.40	4.28	5.31	6.49	7.85
40.0	0.88	1.30	1.80	2.39	3.09	3.91	4.86	5.96	7.23
45.0	0.74	1.13	1.59	2.14	2.78	3.53	4.42	5.44	6.61
50.0	0.60	0.96	1.39	1.89	2.48	3.17	3.97	4.91	
55.0		0.80	1.19	1.64	2.17	2.80	3.53		

60Hz

KSL-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	1.06	1.23	1.40	1.56	1.70	1.84	1.96	2.07	2.15
25.0	1.06	1.25	1.43	1.62	1.80	1.96	2.12	2.26	2.37
30.0	1.05	1.25	1.46	1.66	1.86	2.06	2.25	2.43	2.58
35.0	1.03	1.25	1.47	1.70	1.92	2.15	2.37	2.58	2.77
40.0	1.01	1.24	1.48	1.72	1.98	2.23	2.48	2.72	2.95
45.0	0.97	1.22	1.48	1.74	2.02	2.30	2.57	2.85	3.12
50.0	0.94	1.20	1.46	1.76	2.05	2.36	2.66	2.97	
55.0		1.17	1.46	1.76	2.08	2.41	2.75		

Cond °C	Current at 380 V, A								
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
20.0	2.61	2.81	3.01	3.20	3.37	3.50	3.58	3.60	3.55
25.0	2.65	2.86	3.08	3.31	3.52	3.71	3.86	3.96	4.00
30.0	2.66	2.88	3.12	3.38	3.63	3.87	4.09	4.26	4.39
35.0	2.64	2.87	3.13	3.41	3.71	4.00	4.27	4.52	4.73
40.0	2.61	2.84	3.12	3.43	3.76	4.10	4.43	4.75	5.03
45.0	2.58	2.81	3.10	3.43	3.79	4.17	4.56	4.94	5.31
50.0	2.55	2.78	3.07	3.43	3.82	4.24	4.68	5.13	
55.0		2.76	3.06	3.43	3.85	4.31	4.80		

Cond °C	Mass Flow, g/s								
	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
20.0	8.98	12.20	16.15	20.90	26.60	33.40	41.30	50.60	61.30
25.0	8.41	11.60	15.50	20.20	25.90	32.50	40.40	49.60	60.20
30.0	7.82	11.00	14.85	19.50	25.10	31.70	39.40	48.50	59.10
35.0	7.20	10.35	14.20	18.80	24.30	30.80	38.50	47.50	58.00
40.0	6.56	9.72	13.50	18.05	23.40	29.90	37.40	46.40	56.80
45.0	5.88	9.03	12.75	17.25	22.60	28.90	36.40	45.30	55.70
50.0	5.15	8.30	12.00	16.40	21.70	27.90	35.30	44.10	
55.0		7.51	11.20	15.55	20.70	26.90	34.30		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 60 Hz, m ³ /h	11
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
Oil Quantity, l	0.65
Frequency Range, Hz	25 - 60
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 (11.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 60 Hz)

Maximum Operating Current, A	5.6
Locked Rotor Current, A	26.7
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
------------------	---

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
Inverter	Emerson Industrial Automation, Unidrive M200 03 400 073

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.44
EWL	380-420 V / 3~ / 50 Hz	400		Y	0.83
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	1.75