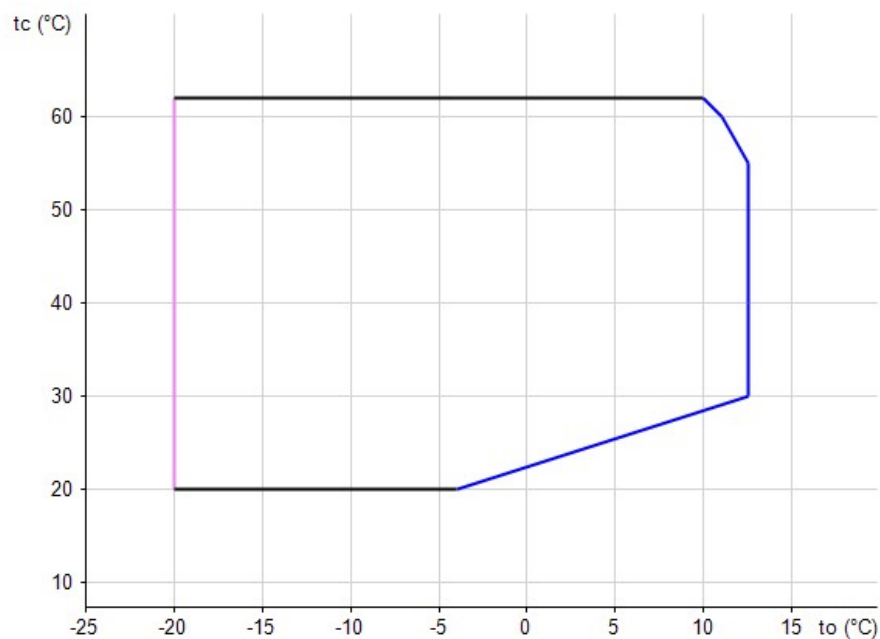




Minimum Evaporating Temp. With:

■ 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	1.02	1.32	1.68	2.10					
25.0	0.93	1.22	1.56	1.96	2.44				
30.0	0.85	1.12	1.45	1.84	2.29	2.81	3.04	3.42	3.75
35.0	0.77	1.02	1.34	1.70	2.13	2.64	2.86	3.22	3.54
40.0	0.68	0.93	1.22	1.57	1.98	2.46	2.67	3.02	3.32
45.0	0.60	0.83	1.10	1.44	1.82	2.28	2.48	2.81	3.11
50.0	0.51	0.73	0.99	1.30	1.67	2.10	2.29	2.60	2.88
55.0	0.42	0.63	0.88	1.17	1.52	1.92	2.10	2.39	2.66
60.0	0.34	0.54	0.76	1.03	1.36	1.74	1.90	2.18	
62.0	0.30	0.50	0.72	0.98	1.30	1.66	1.82	2.09	

50 Hz		KM-5							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	0.39	0.41	0.42	0.43						
25.0	0.41	0.44	0.46	0.47	0.48					
30.0	0.43	0.47	0.50	0.52	0.53	0.54	0.54	0.53	0.52	
35.0	0.45	0.49	0.53	0.56	0.58	0.60	0.60	0.60	0.60	
40.0	0.46	0.51	0.55	0.59	0.62	0.65	0.66	0.66	0.66	
45.0	0.47	0.53	0.58	0.62	0.66	0.70	0.71	0.72	0.73	
50.0	0.48	0.54	0.60	0.65	0.70	0.74	0.76	0.78	0.79	
55.0	0.48	0.55	0.61	0.67	0.73	0.78	0.80	0.82	0.84	
60.0	0.48	0.55	0.62	0.69	0.75	0.81	0.83	0.86		
62.0	0.48	0.55	0.62	0.69	0.76	0.82	0.85	0.88		

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	0.77	0.80	0.82	0.82					
25.0	0.80	0.84	0.87	0.89	0.89				
30.0	0.83	0.87	0.91	0.95	0.97	0.97	0.97	0.96	0.95
35.0	0.85	0.91	0.96	1.00	1.03	1.05	1.06	1.06	1.05
40.0	0.87	0.93	1.00	1.05	1.09	1.13	1.14	1.15	1.15
45.0	0.88	0.96	1.03	1.09	1.15	1.20	1.21	1.23	1.24
50.0	0.89	0.97	1.05	1.13	1.20	1.26	1.28	1.31	1.33
55.0	0.90	0.99	1.07	1.16	1.24	1.31	1.34	1.38	1.40
60.0	0.90	0.99	1.09	1.18	1.28	1.36	1.39	1.44	
62.0	0.90	0.99	1.09	1.19	1.29	1.38	1.41	1.46	

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	5.65	7.20	9.01	11.10					
25.0	5.41	6.95	8.73	10.80	13.15				
30.0	5.14	6.66	8.43	10.50	12.80	15.50	16.65	18.50	20.10
35.0	4.85	6.36	8.11	10.15	12.45	15.15	16.30	18.15	19.75
40.0	4.52	6.02	7.76	9.77	12.10	14.75	15.90	17.75	19.35
45.0	4.15	5.66	7.39	9.38	11.65	14.30	15.45	17.25	18.90
50.0	3.75	5.26	6.97	8.95	11.20	13.80	14.95	16.75	18.40
55.0	3.30	4.81	6.52	8.47	10.70	13.30	14.40	16.20	17.80
60.0	2.81	4.33	6.02	7.95	10.15	12.70	13.80	15.55	
62.0	2.60	4.12	5.81	7.73	9.92	12.45	13.55	15.30	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	3.97
Bore/Stroke, mm	34.9/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	1/2
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)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
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	1.8
Locked Rotor Current, A	12.2
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