



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	3.72	4.83	6.13	7.67					
25.0	3.42	4.46	5.71	7.17	8.89				
30.0	3.11	4.10	5.28	6.68	8.32	10.20	11.05	12.40	13.60
35.0	2.81	3.74	4.86	6.18	7.74	9.55	10.35	11.65	12.80
40.0	2.50	3.39	4.44	5.69	7.16	8.89	9.65	10.90	12.00
45.0	2.21	3.04	4.03	5.20	6.59	8.22	8.94	10.10	11.15
50.0	1.92	2.70	3.62	4.72	6.02	7.54	8.23	9.33	10.30
55.0	1.62	2.36	3.22	4.24	5.45	6.87	7.51		
60.0	1.34	2.04	2.83	3.77	4.88	6.19			
62.0	1.24	1.90	2.68	3.58	4.65				

50 Hz		LJ-20								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	1.42	1.48	1.54	1.56						
25.0	1.46	1.56	1.64	1.70	1.74					
30.0	1.50	1.64	1.74	1.84	1.91	1.96	1.96	1.97	1.96	
35.0	1.54	1.70	1.84	1.96	2.08	2.16	2.19	2.22	2.23	
40.0	1.58	1.76	1.92	2.08	2.23	2.35	2.40	2.45	2.49	
45.0	1.60	1.80	2.00	2.19	2.37	2.54	2.60	2.68	2.74	
50.0	1.62	1.84	2.06	2.29	2.50	2.70	2.78	2.89	2.98	
55.0	1.64	1.88	2.12	2.37	2.62	2.86	2.96			
60.0	1.65	1.90	2.16	2.44	2.72	3.00				
62.0	1.65	1.90	2.17	2.46	2.76					
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	3.70	3.77	3.82	3.85						
25.0	3.75	3.85	3.94	4.00	4.04					
30.0	3.80	3.93	4.05	4.15	4.23	4.28	4.29	4.30	4.29	
35.0	3.84	4.00	4.15	4.30	4.42	4.52	4.55	4.59	4.60	
40.0	3.87	4.06	4.25	4.43	4.60	4.75	4.80	4.87	4.92	
45.0	3.90	4.11	4.33	4.55	4.76	4.96	5.04	5.14	5.22	
50.0	3.92	4.15	4.40	4.66	4.92	5.17	5.27	5.41	5.52	
55.0	3.94	4.19	4.47	4.76	5.06	5.36	5.48			
60.0	3.95	4.21	4.52	4.85	5.19	5.55				
62.0	3.95	4.22	4.53	4.88	5.24					
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	20.80	26.40	33.00	40.60						
25.0	19.80	25.40	31.90	39.40	48.00					
30.0	18.80	24.30	30.70	38.10	46.60	56.30	60.50	67.20	73.20	
35.0	17.75	23.20	29.50	36.80	45.20	54.80	59.00	65.70	71.60	
40.0	16.60	22.00	28.20	35.40	43.70	53.20	57.40	64.00	69.80	
45.0	15.40	20.70	26.90	34.00	42.10	51.50	55.60	62.10	67.90	
50.0	14.10	19.40	25.40	32.40	40.40	49.60	53.60	60.10	65.80	
55.0	12.70	17.95	23.90	30.70	38.60	47.60	51.50			
60.0	11.20	16.45	22.30	28.90	36.60	45.30				
62.0	10.55	15.85	21.60	28.20	35.70					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	14.5
Bore/Stroke, mm	54.0/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	78
Gross Weight, kg	84
Suction, inch	7/8
Discharge, inch	5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	52
Sound Power, dBA	63
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	5.6
Locked Rotor Current, A	37.6
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	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 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
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00