



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	4.67	6.12	7.84	9.86					
25.0	4.26	5.64	7.29	9.22	11.50				
30.0	3.86	5.18	6.74	8.59	10.75	13.30	14.40	16.15	17.75
35.0	3.46	4.72	6.21	7.97	10.05	12.45	13.50	15.25	16.75
40.0	3.07	4.26	5.68	7.36	9.33	11.65	12.65	14.30	15.75
45.0	2.69	3.83	5.17	6.75	8.62	10.80	11.80	13.35	14.75
50.0	2.33	3.40	4.67	6.16	7.92	9.99	10.90	12.40	13.75
55.0	1.98	2.99	4.18	5.58	7.24	9.18	10.05	11.45	12.70
60.0	1.64	2.60	3.71	5.02	6.56	8.38	9.19	10.50	
62.0	1.51	2.45	3.53	4.80	6.30	8.06	8.85	10.15	

50 Hz LL-30 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	1.68	1.78	1.88	1.93					
25.0	1.72	1.88	2.00	2.11	2.18				
30.0	1.78	1.96	2.13	2.27	2.39	2.48	2.50	2.52	2.53
35.0	1.82	2.03	2.24	2.43	2.60	2.74	2.78	2.84	2.87
40.0	1.85	2.10	2.35	2.58	2.79	2.98	3.05	3.14	3.21
45.0	1.88	2.16	2.44	2.72	2.98	3.22	3.31	3.43	3.53
50.0	1.90	2.21	2.53	2.84	3.15	3.44	3.55	3.72	3.84
55.0	1.92	2.25	2.60	2.96	3.31	3.65	3.79	3.98	4.14
60.0	1.93	2.28	2.66	3.05	3.45	3.85	4.01	4.24	
62.0	1.93	2.29	2.68	3.09	3.51	3.92	4.09	4.34	

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	4.06	4.16	4.24	4.29					
25.0	4.11	4.25	4.38	4.48	4.55				
30.0	4.16	4.34	4.51	4.66	4.79	4.88	4.90	4.93	4.93
35.0	4.20	4.41	4.63	4.83	5.02	5.17	5.23	5.29	5.33
40.0	4.23	4.48	4.74	5.00	5.24	5.46	5.54	5.65	5.73
45.0	4.26	4.54	4.84	5.15	5.45	5.74	5.84	6.00	6.12
50.0	4.28	4.59	4.93	5.29	5.65	6.00	6.14	6.34	6.50
55.0	4.30	4.64	5.02	5.42	5.84	6.26	6.43	6.68	6.88
60.0	4.31	4.67	5.09	5.54	6.02	6.51	6.71	7.01	
62.0	4.31	4.68	5.11	5.58	6.09	6.61	6.82	7.14	

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	26.00	33.50	42.20	52.10					
25.0	24.70	32.10	40.70	50.60	61.90				
30.0	23.30	30.70	39.20	49.10	60.30	73.10	78.70	87.60	95.40
35.0	21.90	29.20	37.70	47.50	58.70	71.40	77.00	85.80	93.70
40.0	20.40	27.70	36.10	45.80	56.90	69.60	75.10	84.00	91.80
45.0	18.80	26.10	34.50	44.10	55.10	67.70	73.20	82.00	89.80
50.0	17.15	24.40	32.80	42.30	53.20	65.70	71.20	79.90	87.60
55.0	15.40	22.70	31.00	40.40	51.20	63.60	69.00	77.60	85.30
60.0	13.60	21.00	29.20	38.50	49.20	61.30	66.60	75.20	
62.0	12.90	20.30	28.50	37.80	48.30	60.40	65.70	74.10	

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	18.2
Bore/Stroke, mm	60.4/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	85
Gross Weight, kg	91
Suction, inch	1 1/8
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	7.3
Locked Rotor Current, A	53
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**

<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
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