



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	6.02	7.79	9.89	12.35					
25.0	5.57	7.26	9.26	11.65	14.40				
30.0	5.12	6.73	8.64	10.90	13.55	16.65	18.00	20.20	22.10
35.0	4.68	6.21	8.03	10.20	12.70	15.65	16.95	19.05	21.00
40.0	4.25	5.70	7.42	9.47	11.85	14.70	15.95	17.95	19.75
45.0	3.82	5.20	6.83	8.77	11.05	13.70	14.90	16.85	18.55
50.0	3.41	4.72	6.26	8.08	10.25	12.75	13.90	15.70	17.35
55.0	3.01	4.25	5.70	7.41	9.43	11.80	12.85	14.60	16.15
60.0	2.62	3.80	5.15	6.75	8.63	10.85	11.85	13.45	
62.0	2.47	3.62	4.94	6.49	8.32	10.45	11.45	13.00	

50 Hz		LSG-40								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	1.98	2.15	2.28	2.39						
25.0	2.06	2.26	2.44	2.60	2.72					
30.0	2.14	2.37	2.60	2.79	2.96	3.09	3.14	3.18	3.21	
35.0	2.21	2.48	2.74	2.98	3.20	3.38	3.44	3.52	3.58	
40.0	2.27	2.57	2.87	3.15	3.42	3.65	3.73	3.85	3.93	
45.0	2.33	2.66	2.99	3.31	3.62	3.90	4.01	4.15	4.27	
50.0	2.39	2.74	3.10	3.46	3.81	4.14	4.26	4.44	4.58	
55.0	2.44	2.81	3.20	3.59	3.98	4.35	4.50	4.71	4.87	
60.0	2.48	2.87	3.28	3.70	4.13	4.55	4.71	4.95		
62.0	2.50	2.89	3.31	3.74	4.18	4.62	4.79	5.04		
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	4.76	4.93	5.07	5.19						
25.0	4.84	5.06	5.27	5.44	5.58					
30.0	4.92	5.19	5.45	5.69	5.89	6.06	6.11	6.16	6.20	
35.0	5.00	5.31	5.62	5.92	6.19	6.42	6.50	6.60	6.67	
40.0	5.07	5.42	5.78	6.13	6.46	6.76	6.87	7.02	7.13	
45.0	5.14	5.53	5.93	6.33	6.72	7.09	7.22	7.42	7.57	
50.0	5.21	5.62	6.06	6.51	6.96	7.39	7.56	7.80	7.98	
55.0	5.26	5.70	6.18	6.68	7.18	7.68	7.87	8.15	8.38	
60.0	5.32	5.77	6.28	6.83	7.38	7.94	8.16	8.48		
62.0	5.34	5.80	6.32	6.88	7.46	8.04	8.27	8.61		
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	33.60	42.70	53.20	65.30						
25.0	32.30	41.30	51.80	63.80	77.60					
30.0	31.00	39.90	50.30	62.20	76.00	91.60	98.40	109.50	119.00	
35.0	29.60	38.50	48.80	60.60	74.30	89.80	96.60	107.50	117.00	
40.0	28.20	37.00	47.20	59.00	72.50	88.00	94.70	105.50	115.00	
45.0	26.70	35.50	45.60	57.20	70.60	86.00	92.70	103.50	113.00	
50.0	25.10	33.90	43.90	55.50	68.70	83.90	90.60	101.00	110.50	
55.0	23.50	32.30	42.30	53.70	66.70	81.70	88.30	98.80	108.00	
60.0	21.80	30.70	40.60	51.80	64.70	79.40	85.90	96.20		
62.0	21.10	30.00	39.90	51.10	63.80	78.40	84.90	95.20		

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	22.5
Bore/Stroke, mm	61.9/42.8
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	77
Gross Weight, kg	82
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	63
Sound Power, dBA	74
High Side PS gauge, bar	28
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	8.5
Locked Rotor Current, A	68.5
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

**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