



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return with add cooling
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	5.62	7.28	9.26	11.60					
25.0	5.18	6.75	8.63	10.85	13.45				
30.0	4.74	6.24	8.02	10.15	12.60	15.50	16.80	18.85	20.70
35.0	4.31	5.73	7.41	9.42	11.80	14.55	15.75	17.75	19.50
40.0	3.89	5.23	6.82	8.72	10.95	13.55	14.75	16.60	18.30
45.0	3.47	4.74	6.24	8.02	10.15	12.60	13.70	15.50	17.10
50.0	3.07	4.27	5.67	7.34	9.32	11.65	12.70	14.35	15.90
55.0	2.68	3.81	5.12	6.68	8.52	10.70	11.65	13.25	14.70
60.0	2.31	3.37	4.59	6.03	7.73	9.75	10.65	12.15	
62.0	2.17	3.20	4.38	5.77	7.42	9.37	10.25	11.70	

50 Hz	LSG-40X									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	33.70	42.80	53.40	65.60						
25.0	32.50	41.50	52.00	64.10	78.00					
30.0	31.10	40.10	50.50	62.50	76.30	92.10	98.90	110.00	119.50	
35.0	29.70	38.60	49.00	60.90	74.60	90.30	97.10	108.00	117.50	
40.0	28.30	37.10	47.40	59.20	72.80	88.40	95.20	106.00	115.50	
45.0	26.80	35.60	45.80	57.50	71.00	86.40	93.10	104.00	113.50	
50.0	25.20	34.00	44.10	55.70	69.00	84.30	91.00	101.50	111.00	
55.0	23.50	32.40	42.40	53.90	67.00	82.10	88.70	99.30	108.50	
60.0	21.80	30.80	40.70	52.00	64.90	79.70	86.20	96.70		
62.0	21.10	30.10	40.00	51.20	64.10	78.80	85.20	95.60		

### **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