



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return with add cooling
- █ Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	2.46	3.32	4.38	5.65	7.15	8.92
15.0	2.23	3.07	4.08	5.29	6.74	8.43
20.0	2.00	2.80	3.77	4.93	6.31	7.93
25.0	1.76	2.53	3.45	4.56	5.88	7.42
30.0	1.52	2.25	3.13	4.18	5.44	6.91
35.0	1.28	1.98	2.81	3.80	4.99	6.39
40.0	1.03	1.69	2.48	3.42	4.54	5.86
45.0	0.79	1.41	2.15	3.04	4.09	
50.0	0.55	1.13	1.82	2.65	3.64	
55.0	0.32	0.86	1.50	2.27	3.19	

50 Hz

LJ-20

R449A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.40	1.55	1.68	1.79	1.88	1.93
15.0	1.41	1.58	1.74	1.88	2.01	2.11
20.0	1.40	1.60	1.79	1.97	2.13	2.28
25.0	1.38	1.61	1.83	2.04	2.24	2.43
30.0	1.35	1.60	1.85	2.10	2.34	2.56
35.0	1.30	1.58	1.86	2.14	2.42	2.68
40.0	1.23	1.53	1.84	2.16	2.47	2.78
45.0	1.14	1.46	1.81	2.16	2.51	
50.0	1.03	1.38	1.76	2.14	2.53	
55.0	0.90	1.28	1.68	2.10	2.53	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	4.07	4.17	4.28	4.38	4.46	4.50
15.0	4.08	4.19	4.32	4.46	4.58	4.68
20.0	4.07	4.21	4.36	4.53	4.70	4.85
25.0	4.06	4.21	4.39	4.60	4.81	5.01
30.0	4.04	4.21	4.41	4.65	4.90	5.15
35.0	4.01	4.19	4.42	4.69	4.98	5.28
40.0	3.97	4.16	4.42	4.71	5.04	5.39
45.0	3.92	4.12	4.39	4.72	5.09	
50.0	3.85	4.06	4.35	4.71	5.11	
55.0	3.76	3.98	4.29	4.68	5.12	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	11.35	15.35	20.30	26.20	33.40	41.80
15.0	10.65	14.65	19.55	25.50	32.50	40.90
20.0	9.91	13.90	18.75	24.60	31.60	39.90
25.0	9.08	13.05	17.85	23.70	30.60	38.90
30.0	8.17	12.10	16.85	22.60	29.50	37.70
35.0	7.17	11.05	15.80	21.50	28.30	36.50
40.0	6.08	9.95	14.65	20.30	27.00	35.10
45.0	4.90	8.74	13.35	18.95	25.70	
50.0	3.60	7.41	12.00	17.50	24.20	
55.0	2.19	5.96	10.50	15.95	22.50	

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	1397
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