



Minimum Evaporating Temp. With:

- 25 °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						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	1.40	2.19	3.17	4.34	5.74	7.38	9.30
25.0	1.10	1.87	2.80	3.91	5.24	6.80	8.62
30.0	0.82	1.54	2.43	3.48	4.73	6.21	7.92
35.0		1.23	2.05	3.04	4.22	5.60	7.21
40.0		0.91	1.68	2.61	3.70	4.99	6.50
45.0			1.32	2.17	3.19	4.38	5.77
50.0			0.98	1.76	2.68	3.77	5.05
55.0				1.34	2.18	3.17	4.33

50 Hz

LL-30

R404A Dew Point

Cond °C	Power, kW						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	1.20	1.48	1.76	2.03	2.29	2.54	2.77
25.0	1.13	1.43	1.74	2.05	2.35	2.65	2.93
30.0	1.03	1.36	1.70	2.05	2.39	2.74	3.07
35.0		1.27	1.64	2.03	2.42	2.81	3.19
40.0		1.14	1.56	1.98	2.42	2.85	3.29
45.0			1.45	1.92	2.39	2.88	3.37
50.0			1.31	1.82	2.34	2.88	3.42
55.0				1.70	2.26	2.85	3.45

Cond °C	Current at 400 V, A						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	3.39	3.73	4.07	4.42	4.75	5.08	5.38
25.0	3.33	3.67	4.04	4.42	4.82	5.21	5.61
30.0	3.27	3.61	3.99	4.41	4.86	5.33	5.82
35.0		3.53	3.93	4.38	4.88	5.43	6.01
40.0		3.43	3.84	4.33	4.88	5.50	6.16
45.0			3.73	4.25	4.85	5.54	6.29
50.0			3.59	4.14	4.79	5.54	6.37
55.0				3.99	4.69	5.50	6.42

Cond °C	Suction Mass Flow, g/s						
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0
20.0	8.50	13.35	19.35	26.60	35.30	45.70	57.90
25.0	7.06	11.95	17.95	25.20	33.90	44.10	56.30
30.0	5.50	10.40	16.35	23.60	32.20	42.40	54.50
35.0		8.69	14.60	21.80	30.30	40.50	52.50
40.0		6.88	12.75	19.80	28.30	38.30	50.20
45.0			10.70	17.65	26.00	36.00	47.80
50.0			8.53	15.35	23.60	33.40	45.10
55.0				12.85	20.90	30.60	42.30

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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	3922
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

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