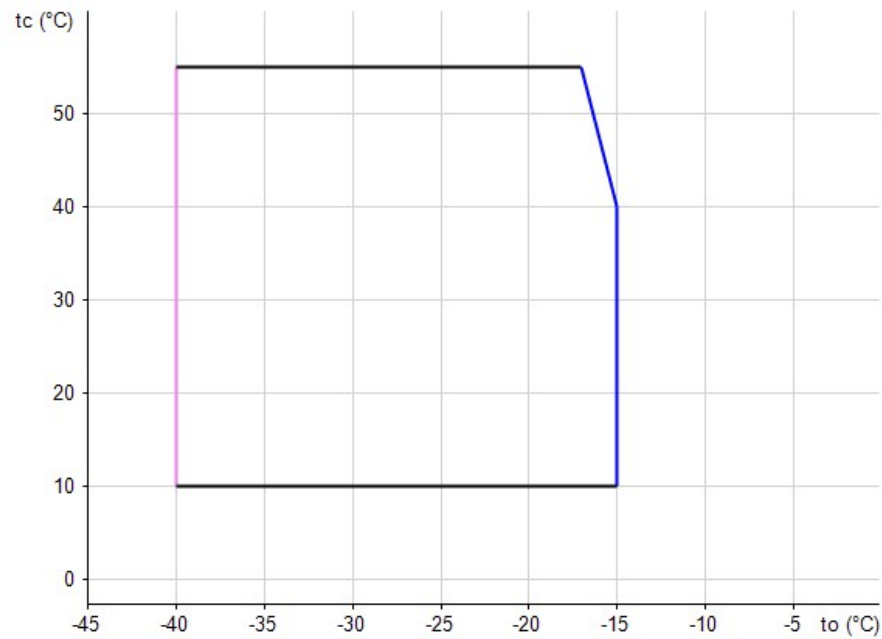


50 Hz

LL-30

R449A Dew Point



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	3.16	4.28	5.65	7.29	9.23	11.50
15.0	2.90	3.98	5.30	6.87	8.74	10.90
20.0	2.63	3.66	4.92	6.43	8.22	10.30
25.0	2.34	3.33	4.53	5.97	7.68	9.68
30.0	2.05	2.99	4.13	5.50	7.12	9.03
35.0	1.75	2.64	3.72	5.01	6.56	8.37
40.0	1.46	2.29	3.30	4.52	5.98	7.70
45.0	1.16	1.94	2.89	4.03	5.40	
50.0	0.87	1.60	2.47	3.54	4.82	
55.0	0.60	1.26	2.07	3.05	4.24	

50 Hz

LL-30

R449A Dew Point

Cond °C	Power, kW					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	1.30	1.54	1.78	1.99	2.16	2.28
15.0	1.33	1.59	1.85	2.09	2.30	2.47
20.0	1.36	1.64	1.92	2.19	2.44	2.65
25.0	1.38	1.66	1.97	2.27	2.56	2.82
30.0	1.38	1.68	2.01	2.34	2.66	2.97
35.0	1.36	1.68	2.03	2.39	2.75	3.09
40.0	1.32	1.66	2.02	2.41	2.80	3.19
45.0	1.26	1.60	1.98	2.40	2.83	
50.0	1.16	1.52	1.92	2.36	2.82	
55.0	1.03	1.39	1.82	2.28	2.78	

Cond °C	Current at 400 V, A					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	4.29	4.46	4.64	4.82	4.97	5.08
15.0	4.30	4.49	4.70	4.92	5.12	5.30
20.0	4.32	4.52	4.75	5.01	5.26	5.50
25.0	4.33	4.54	4.80	5.09	5.39	5.69
30.0	4.34	4.55	4.83	5.15	5.50	5.86
35.0	4.34	4.55	4.85	5.20	5.59	6.01
40.0	4.32	4.54	4.84	5.22	5.66	6.12
45.0	4.28	4.50	4.82	5.22	5.69	
50.0	4.22	4.43	4.76	5.18	5.69	
55.0	4.13	4.33	4.67	5.11	5.65	

Cond °C	Suction Mass Flow, g/s					
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0
10.0	14.55	19.80	26.20	33.90	43.00	53.90
15.0	13.85	19.05	25.40	33.00	42.20	53.00
20.0	13.00	18.15	24.50	32.10	41.20	51.90
25.0	12.05	17.15	23.40	31.00	40.00	50.70
30.0	10.95	16.05	22.20	29.70	38.70	49.30
35.0	9.79	14.80	20.90	28.30	37.20	47.80
40.0	8.52	13.45	19.50	26.80	35.60	46.20
45.0	7.16	12.00	17.95	25.10	33.90	
50.0	5.71	10.45	16.25	23.40	32.00	
55.0	4.17	8.77	14.45	21.40	30.00	

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)
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	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