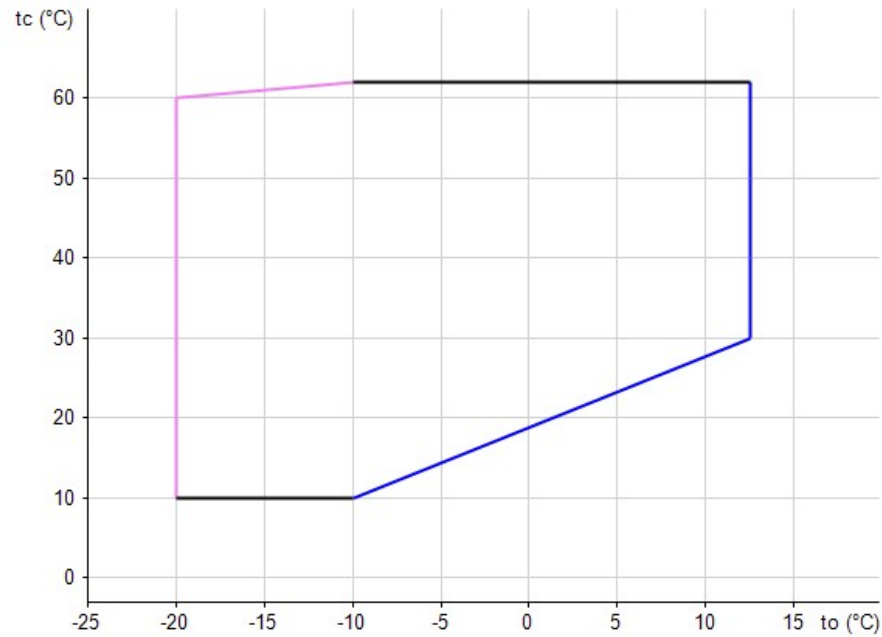




Minimum Evaporating Temp. With:

25 °C Suction Gas Return

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
10.0	22.70	28.50	35.50						
15.0	21.50	27.20	33.90	42.00					
20.0	20.30	25.80	32.30	40.10	49.20				
25.0	19.10	24.40	30.70	38.20	47.00	57.20			
30.0	17.85	22.90	29.00	36.20	44.70	54.50	58.90	65.90	72.20
35.0	16.60	21.50	27.30	34.20	42.30	51.80	56.00	62.80	68.90
40.0	15.30	20.00	25.60	32.20	40.00	49.10	53.10	59.60	65.50
45.0	14.00	18.50	23.80	30.20	37.60	46.30	50.20	56.40	62.10
50.0	12.65	17.00	22.10	28.10	35.20	43.50	47.20	53.20	58.60
55.0	11.35	15.45	20.30	26.00	32.70	40.70	44.20	50.00	55.20
60.0	10.00	13.90	18.50	23.90	30.30	37.80	41.20	46.70	51.60
62.0			17.75	23.00	29.30	36.70	40.00	45.40	50.20

50 Hz 4DL-150 R134a

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	4.89	5.09	5.15						
15.0	5.33	5.64	5.84	5.89					
20.0	5.74	6.16	6.48	6.67	6.70				
25.0	6.11	6.63	7.07	7.40	7.59	7.61			
30.0	6.44	7.07	7.63	8.10	8.44	8.63	8.65	8.63	8.56
35.0	6.75	7.48	8.16	8.76	9.24	9.60	9.69	9.78	9.80
40.0	7.03	7.86	8.65	9.38	10.00	10.50	10.70	10.90	11.00
45.0	7.29	8.21	9.12	9.97	10.75	11.40	11.65	11.95	12.15
50.0	7.52	8.54	9.56	10.55	11.45	12.30	12.55	13.00	13.30
55.0	7.74	8.85	9.97	11.05	12.10	13.10	13.45	14.00	14.35
60.0	7.94	9.14	10.35	11.60	12.75	13.90	14.35	14.95	15.40
62.0			10.50	11.80	13.00	14.20	14.65	15.30	15.85

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
10.0	13.35	13.54	13.61						
15.0	13.70	14.01	14.21	14.26					
20.0	14.07	14.49	14.83	15.04	15.07				
25.0	14.44	14.98	15.47	15.84	16.06	16.08			
30.0	14.81	15.47	16.10	16.65	17.06	17.29	17.32	17.29	17.18
35.0	15.16	15.95	16.73	17.45	18.06	18.51	18.63	18.75	18.77
40.0	15.50	16.42	17.35	18.24	19.05	19.72	19.94	20.21	20.37
45.0	15.80	16.85	17.94	19.01	20.02	20.92	21.24	21.66	21.95
50.0	16.06	17.25	18.49	19.75	20.97	22.10	22.51	23.08	23.51
55.0	16.27	17.60	19.01	20.45	21.88	23.24	23.75	24.48	25.04
60.0	16.43	17.90	19.47	21.10	22.74	24.33	24.95	25.84	26.54
62.0			19.64	21.35	23.07	24.76	25.42	26.37	27.12

50 Hz		4DL-150							R134a	
Cond	Suction Mass Flow, g/s									
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	
10.0	117.50	145.00	177.50							
15.0	115.50	143.00	176.00	214.00						
20.0	113.50	141.00	174.00	212.00	256.00					
25.0	111.00	139.00	171.50	209.00	253.00	303.00				
30.0	108.00	136.00	169.00	207.00	250.00	300.00	322.00	357.00	388.00	
35.0	105.00	133.00	166.00	204.00	247.00	297.00	319.00	354.00	385.00	
40.0	101.50	130.00	162.50	201.00	244.00	294.00	316.00	350.00	381.00	
45.0	97.60	126.00	159.00	197.00	240.00	290.00	312.00	347.00	378.00	
50.0	93.30	122.00	155.00	193.00	236.00	286.00	308.00	343.00	374.00	
55.0	88.60	117.50	150.50	188.50	232.00	282.00	303.00	338.00	370.00	
60.0	83.30	112.50	145.50	183.50	227.00	277.00	299.00	334.00	365.00	
62.0			143.50	181.00	225.00	275.00	297.00	332.00	363.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders

4

Displacement @ 50 Hz, m³/h

70.8

Bore/Stroke, mm

68.3/55.6

Length/Width, mm

680/535

Height, mm

605

Net Weight, kg

205

Gross Weight, kg

221

Rotalock Discharge, inch

1 1/8

Suction, inch

1 5/8

Drive Frequency Range, Hz

25 - 60

Oil Quantity, l

3.3

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

381 x 305 (18)

Sound Pressure @ 1m, dBA

71

Sound Power, dBA

82

High Side PS gauge, bar

32.5

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

35.3

Locked Rotor Current, A

156

Default Enclosure Class

IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch
Mounting Springs

OPS2 Sensor
4

ACCESSORIES OPTIONAL

Additional Cooling
Capacity Control
Crankcase Heater
Enclosure Class
Oil Pressure Switch
Unloaded start
Deep Oil Sump
Adapter Kit
Check Valve
Oil Control System

70 W Vertical Air Flow Fan
Capacity Steps 50%
100 W Internal
IP 56
OPS2 Electronic Switch
Available
Mounted
For Parallel Operation
For unloaded start operation
ALCO Trax-Oil OM3

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	Y	0.76
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
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00