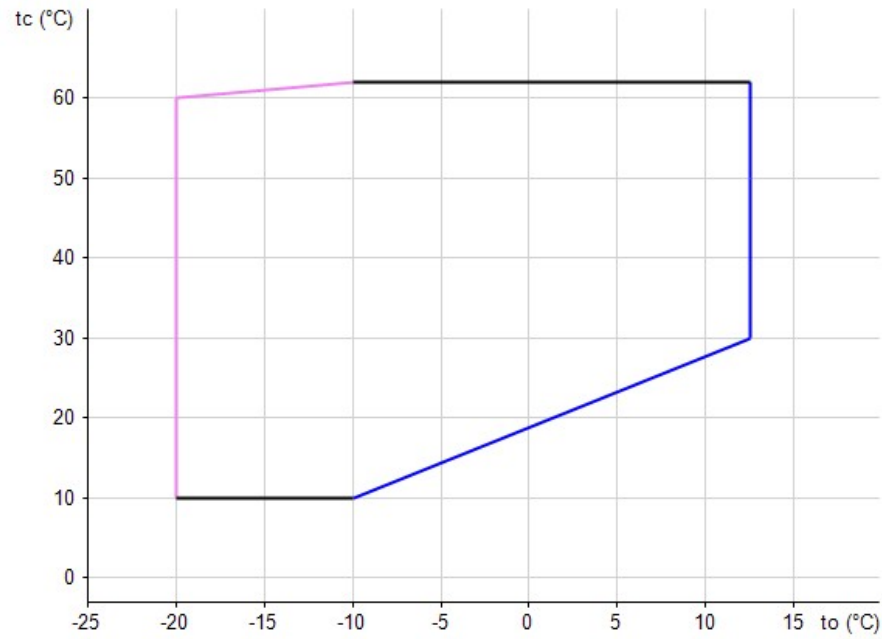




Minimum Evaporating Temp. With:

25 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Superheat 5.0K

Liquid Subcooling 4.0K

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
10.0	25.50	32.50	40.90						
15.0	23.90	30.60	38.60	48.20					
20.0	22.20	28.60	36.30	45.50	56.20				
25.0	20.50	26.70	34.10	42.80	53.10	65.00			
30.0	18.85	24.70	31.80	40.20	50.00	61.40	66.50	74.60	81.90
35.0	17.20	22.80	29.60	37.50	46.90	57.80	62.60	70.40	77.40
40.0	15.55	20.90	27.30	34.90	43.80	54.20	58.80	66.20	72.90
45.0	14.00	19.10	25.10	32.30	40.70	50.60	55.00	62.10	68.50
50.0	12.45	17.30	23.00	29.70	37.70	47.10	51.20	58.00	64.10
55.0	11.00	15.55	20.90	27.20	34.70	43.60	47.50	53.90	59.70
60.0	9.60	13.85	18.85	24.80	31.80	40.10	43.80	49.90	55.40
62.0			18.05	23.80	30.60	38.70	42.40	48.30	53.70

50 Hz

4ST-200

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	6.43	6.83	7.08						
15.0	6.85	7.39	7.81	8.05					
20.0	7.20	7.88	8.46	8.89	9.14				
25.0	7.49	8.31	9.04	9.66	10.10	10.35			
30.0	7.74	8.68	9.56	10.35	11.00	11.50	11.60	11.75	11.75
35.0	7.95	9.00	10.05	11.00	11.85	12.55	12.75	13.05	13.20
40.0	8.12	9.29	10.45	11.60	12.65	13.55	13.85	14.30	14.55
45.0	8.27	9.55	10.85	12.15	13.35	14.50	14.90	15.45	15.85
50.0	8.41	9.79	11.20	12.65	14.05	15.35	15.85	16.55	17.10
55.0	8.53	10.00	11.55	13.15	14.70	16.25	16.80	17.65	18.30
60.0	8.66	10.20	11.90	13.60	15.35	17.05	17.70	18.70	19.45
62.0			12.00	13.80	15.60	17.35	18.05	19.10	19.95

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	15.89	16.28	16.51						
15.0	16.20	16.76	17.20	17.45					
20.0	16.51	17.24	17.89	18.38	18.66				
25.0	16.81	17.71	18.56	19.29	19.85	20.17			
30.0	17.10	18.16	19.20	20.17	21.00	21.64	21.83	22.02	22.10
35.0	17.37	18.58	19.82	21.02	22.12	23.07	23.39	23.79	24.06
40.0	17.60	18.97	20.40	21.83	23.20	24.45	24.90	25.51	25.96
45.0	17.80	19.32	20.93	22.59	24.22	25.77	26.35	27.17	27.80
50.0	17.96	19.62	21.42	23.29	25.18	27.03	27.74	28.77	29.58
55.0	18.06	19.86	21.84	23.93	26.08	28.22	29.06	30.29	31.28
60.0	18.11	20.05	22.20	24.51	26.90	29.33	30.30	31.73	32.90
62.0			22.32	24.72	27.21	29.75	30.77	32.28	33.52

50 Hz		4ST-200						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	140.00	175.50	217.00						
15.0	136.00	171.00	213.00	261.00					
20.0	132.00	167.00	208.00	256.00	311.00				
25.0	127.00	162.50	203.00	251.00	306.00	368.00			
30.0	122.50	157.50	198.50	246.00	300.00	362.00	389.00	432.00	470.00
35.0	117.00	152.50	193.00	240.00	294.00	356.00	383.00	426.00	464.00
40.0	112.00	147.00	187.50	234.00	288.00	350.00	376.00	419.00	457.00
45.0	106.00	141.50	182.00	229.00	282.00	343.00	370.00	413.00	451.00
50.0	100.50	136.00	176.00	222.00	276.00	336.00	363.00	406.00	444.00
55.0	94.50	130.00	170.00	216.00	269.00	330.00	356.00	399.00	437.00
60.0	88.50	124.00	164.00	210.00	262.00	323.00	349.00	392.00	430.00
62.0			161.50	207.00	260.00	320.00	347.00	389.00	428.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders

4

Displacement @ 50 Hz, m³/h

84.7

Bore/Stroke, mm

74.7/55.6

Length/Width, mm

700/490

Height, mm

495

Net Weight, kg

198

Gross Weight, kg

214

Rotalock Discharge, inch

1 3/8

Suction, inch

2 1/8

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

72

Sound Power, dBA

83

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

42.4

Locked Rotor Current, A

175

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
Discharge Temperature Protection
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
Head PTC sensor
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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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