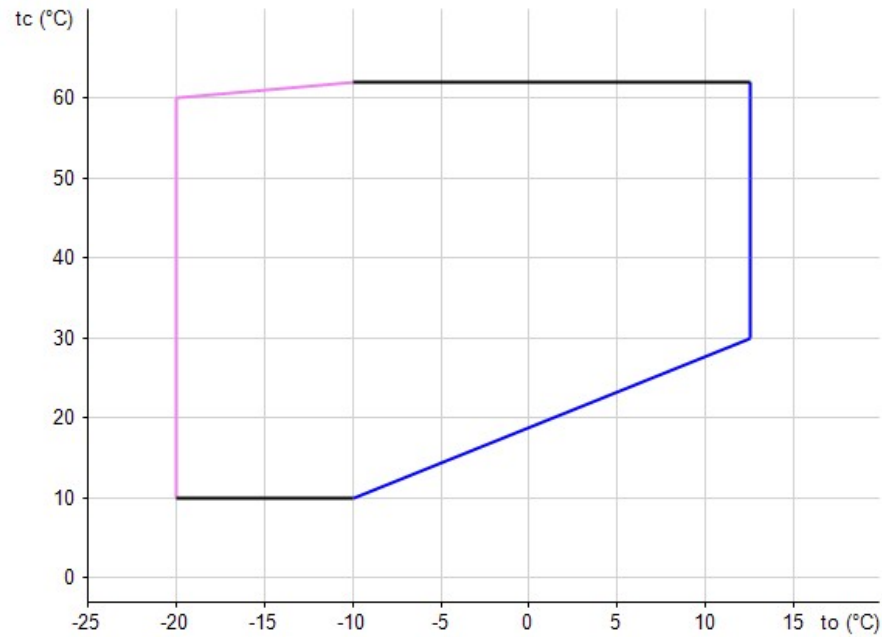


50 Hz

4SF-100

R134a



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	16.75	21.50	27.20						
15.0	15.55	20.10	25.50	32.00					
20.0	14.30	18.70	23.90	30.10	37.30				
25.0	13.10	17.25	22.30	28.10	35.00	43.00			
30.0	11.90	15.90	20.60	26.20	32.80	40.40	43.80	49.20	54.10
35.0	10.70	14.50	19.00	24.30	30.60	37.80	41.00	46.20	50.90
40.0	9.55	13.15	17.40	22.40	28.30	35.20	38.30	43.20	47.60
45.0	8.44	11.85	15.85	20.60	26.20	32.70	35.60	40.20	44.40
50.0	7.39	10.60	14.35	18.75	24.00	30.10	32.90	37.30	41.30
55.0	6.40	9.38	12.90	17.00	21.90	27.70	30.20	34.40	38.20
60.0	5.49	8.24	11.50	15.30	19.85	25.20	27.60	31.50	35.10
62.0			10.95	14.65	19.05	24.30	26.60	30.40	33.90

50 Hz 4SF-100 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	4.27	4.47	4.56						
15.0	4.55	4.86	5.06	5.13					
20.0	4.79	5.19	5.51	5.71	5.77				
25.0	4.99	5.48	5.91	6.24	6.44	6.49			
30.0	5.16	5.74	6.27	6.72	7.06	7.27	7.31	7.31	7.26
35.0	5.31	5.97	6.59	7.16	7.64	8.00	8.10	8.21	8.25
40.0	5.43	6.17	6.89	7.57	8.18	8.68	8.85	9.06	9.19
45.0	5.54	6.35	7.16	7.95	8.68	9.33	9.56	9.86	10.10
50.0	5.64	6.52	7.41	8.30	9.15	9.94	10.25	10.65	10.95
55.0	5.74	6.67	7.65	8.64	9.60	10.50	10.85	11.35	11.75
60.0	5.83	6.83	7.88	8.96	10.05	11.10	11.50	12.05	12.55
62.0			7.97	9.09	10.20	11.30	11.75	12.35	12.85

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	9.46	9.65	9.71						
15.0	9.72	10.04	10.25	10.30					
20.0	9.96	10.41	10.77	10.99	11.04				
25.0	10.19	10.75	11.25	11.65	11.90	11.96			
30.0	10.39	11.07	11.71	12.28	12.72	13.00	13.06	13.08	13.03
35.0	10.57	11.37	12.14	12.87	13.50	13.99	14.14	14.31	14.39
40.0	10.73	11.63	12.55	13.43	14.24	14.94	15.18	15.49	15.70
45.0	10.87	11.88	12.92	13.95	14.94	15.85	16.18	16.63	16.96
50.0	10.99	12.09	13.26	14.44	15.61	16.71	17.13	17.72	18.17
55.0	11.08	12.28	13.57	14.90	16.23	17.53	18.03	18.76	19.33
60.0	11.15	12.44	13.84	15.31	16.82	18.31	18.89	19.75	20.44
62.0			13.94	15.47	17.04	18.61	19.22	20.13	20.87

50 Hz		4SF-100						R134a	
Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	92.00	116.00	144.00						
15.0	88.70	112.50	140.50	173.00					
20.0	85.10	109.00	137.00	169.00	206.00				
25.0	81.30	105.00	133.00	165.00	202.00	243.00			
30.0	77.30	101.00	128.50	160.50	197.00	238.00	256.00	285.00	311.00
35.0	73.00	96.80	124.00	155.50	192.00	233.00	251.00	279.00	305.00
40.0	68.60	92.30	119.50	151.00	186.50	227.00	245.00	273.00	299.00
45.0	64.10	87.70	114.50	145.50	181.00	222.00	239.00	267.00	292.00
50.0	59.50	83.10	110.00	140.50	175.50	215.00	233.00	261.00	286.00
55.0	55.00	78.40	105.00	135.00	169.50	209.00	227.00	255.00	279.00
60.0	50.60	73.80	100.00	130.00	164.00	203.00	220.00	248.00	273.00
62.0			98.00	127.50	161.50	201.00	218.00	245.00	270.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders

4

Displacement @ 50 Hz, m³/h

56.0

Bore/Stroke, mm

63.5/50.8

Length/Width, mm

680/485

Height, mm

495

Net Weight, kg

178

Gross Weight, kg

194

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

72.4

Sound Power, dBA

83.4

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

27.1

Locked Rotor Current, A

105

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