



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- 0 °C Suction Gas Return with add cooling

Suction Return Temperature 20.0°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	-15.0	-10.0	-5.0
5.0			23.90	31.20	40.20	51.10	63.80			
10.0			22.60	29.60	38.20	48.50	60.50	74.60	90.70	109.00
15.0			21.30	28.00	36.10	45.80	57.20	70.50	85.70	103.00
20.0			19.95	26.30	33.90	43.00	53.80	66.30	80.60	97.00
25.0			18.55	24.50	31.70	40.30	50.30	62.00	75.50	90.90
30.0			17.10	22.70	29.50	37.40	46.80	57.70	70.30	84.70
35.0			15.65	20.90	27.10	34.60	43.30	53.40	65.10	78.40
40.0				19.05	24.80	31.60	39.70	49.00	59.80	72.10
45.0					22.40	28.70	36.00	44.50	54.40	65.80
50.0					20.10	25.70	32.30	40.10	49.00	59.40
55.0						22.70	28.60	35.60	43.60	53.00

Cond °C	Power, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			8.92	9.88	10.70	11.40	11.90			
10.0			9.49	10.60	11.60	12.45	13.10	13.60	13.80	13.80
15.0			10.00	11.25	12.40	13.45	14.30	15.00	15.45	15.65
20.0			10.45	11.85	13.20	14.45	15.50	16.40	17.10	17.55
25.0			10.80	12.40	13.95	15.35	16.65	17.80	18.70	19.45
30.0			11.10	12.85	14.60	16.25	17.75	19.10	20.30	21.30
35.0			11.25	13.25	15.20	17.05	18.80	20.40	21.90	23.10
40.0				13.55	15.70	17.80	19.80	21.70	23.40	24.90
45.0					16.10	18.45	20.70	22.80	24.90	26.70
50.0					16.40	19.00	21.50	24.00	26.30	28.40
55.0						19.45	22.30	25.00	27.60	30.10

Cond °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			20.96	22.01	22.96	23.74	24.28			
10.0			21.53	22.76	23.92	24.93	25.75	26.30	26.51	26.34
15.0			22.08	23.50	24.87	26.15	27.25	28.12	28.69	28.89
20.0			22.57	24.20	25.81	27.36	28.77	29.97	30.91	31.52
25.0			22.99	24.84	26.72	28.55	30.28	31.84	33.17	34.19
30.0			23.32	25.42	27.57	29.71	31.78	33.71	35.44	36.90
35.0			23.55	25.90	28.35	30.81	33.24	35.55	37.70	39.62
40.0				26.28	29.03	31.84	34.63	37.36	39.94	42.32
45.0					29.60	32.77	35.95	39.10	42.14	45.00
50.0					30.04	33.58	37.18	40.76	44.27	47.64
55.0						34.26	38.28	42.32	46.32	50.21

Cond °C	Suction Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			127.50	167.50	217.00	276.00	347.00			
10.0			126.00	165.50	214.00	273.00	342.00	424.00	519.00	630.00
15.0			123.50	162.50	211.00	268.00	337.00	418.00	512.00	621.00
20.0			121.00	159.50	207.00	264.00	331.00	411.00	504.00	612.00
25.0			118.00	156.00	203.00	259.00	325.00	404.00	495.00	602.00
30.0			114.50	152.50	198.00	253.00	319.00	396.00	486.00	591.00
35.0			110.50	148.00	193.00	247.00	311.00	387.00	476.00	579.00
40.0				143.00	187.50	240.00	303.00	377.00	465.00	567.00
45.0					181.00	233.00	294.00	367.00	453.00	554.00
50.0					174.50	225.00	285.00	357.00	441.00	541.00
55.0						217.00	275.00	346.00	429.00	528.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	740/580
Height, mm	490
Net Weight, kg	242
Gross Weight, kg	258
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 (LT), dBA	80
Sound Power (LT), dBA	91
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
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	53.7
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Adapter Kit	For Parallel Operation
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Capacity Control	Capacity Steps 66%
Crankcase Heater	100 W Internal
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Oil Control System	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	YYY	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	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00