



Minimum Evaporating Temp. With:

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

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	25.20	32.70	41.90	52.80	65.70	80.70	98.00	117.50	140.00	149.50
25.0	23.10	30.30	39.00	49.30	61.40	75.50	91.70	110.50	131.50	140.50
30.0	21.00	27.80	36.00	45.70	57.00	70.20	85.40	103.00	122.50	131.00
35.0	18.90	25.30	33.00	42.00	52.60	64.90	79.00	95.20	113.50	121.50
40.0		22.90	30.00	38.40	48.10	59.50	72.50	87.50	104.50	112.00
45.0		20.40	27.00	34.70	43.60	54.00	66.00	79.80	95.40	102.50
50.0		17.90	23.90	30.90	39.10	48.50	59.40	71.90	86.20	92.50
55.0		15.40	20.90	27.20	34.50	42.90	52.70	64.00	76.90	82.60

Cond °C	Power, kW									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	11.80	13.35	14.80	16.10	17.25	18.15	18.70	18.95	18.75	18.55
25.0	12.05	13.80	15.45	17.05	18.45	19.65	20.60	21.20	21.40	21.40
30.0	12.25	14.15	16.05	17.85	19.55	21.10	22.30	23.30	24.00	24.10
35.0	12.30	14.40	16.50	18.55	20.50	22.30	23.90	25.30	26.30	26.60
40.0		14.55	16.85	19.10	21.30	23.40	25.30	27.00	28.50	28.90
45.0		14.60	17.10	19.55	22.00	24.40	26.60	28.70	30.40	31.10
50.0		14.55	17.20	19.90	22.60	25.20	27.70	30.10	32.20	33.00
55.0		14.40	17.20	20.10	23.00	25.90	28.70	31.40	33.90	34.80

Cond °C	Current at 400 V, A									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	30.99	32.38	33.79	35.13	36.34	37.32	37.99	38.27	38.08	37.86
25.0	31.09	32.69	34.37	36.04	37.61	39.01	40.15	40.96	41.34	41.36
30.0	31.19	33.00	34.94	36.92	38.86	40.67	42.28	43.60	44.55	44.81
35.0	31.25	33.27	35.46	37.75	40.04	42.26	44.33	46.16	47.67	48.17
40.0		33.45	35.89	38.48	41.13	43.75	46.27	48.61	50.67	51.41
45.0		33.51	36.20	39.08	42.07	45.09	48.06	50.90	53.51	54.48
50.0		33.42	36.35	39.52	42.85	46.26	49.67	52.99	56.15	57.35
55.0		33.13	36.29	39.74	43.41	47.20	51.05	54.86	58.56	59.99

Cond °C	Suction Mass Flow, g/s									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	153.00	200.00	257.00	326.00	408.00	504.00	618.00	750.00	903.00	971.00
25.0	147.00	194.00	250.00	319.00	400.00	495.00	607.00	738.00	891.00	958.00
30.0	140.50	187.00	243.00	311.00	391.00	485.00	596.00	726.00	877.00	944.00
35.0	133.50	180.00	236.00	302.00	381.00	474.00	584.00	712.00	862.00	929.00
40.0		172.50	228.00	293.00	371.00	462.00	570.00	697.00	847.00	913.00
45.0		164.50	219.00	283.00	360.00	450.00	556.00	682.00	830.00	896.00
50.0		155.50	209.00	273.00	347.00	436.00	541.00	665.00	813.00	879.00
55.0		146.00	199.00	261.00	335.00	422.00	525.00	649.00	796.00	862.00

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	760/540
Height, mm	490
Net Weight, kg	224
Gross Weight, kg	240
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	77
Sound Power, dBA	88
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	65.5
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Crankcase Heater	100 W Internal
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Check Valve	For unloaded start operation

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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