



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	19.45	25.40	32.70	41.50	52.00	64.40	78.80	95.30	114.00	122.50
25.0	17.65	23.30	30.20	38.50	48.30	59.90	73.40	88.90	106.50	114.50
30.0	15.90	21.20	27.70	35.40	44.60	55.40	68.00	82.50	99.10	106.50
35.0	14.20	19.20	25.20	32.40	40.90	50.90	62.50	76.00	91.50	98.30
40.0		17.15	22.70	29.30	37.10	46.30	57.10	69.50	83.80	90.10
45.0		15.15	20.20	26.30	33.40	41.80	51.60	63.00	76.20	82.00
50.0		13.20	17.80	23.20	29.70	37.20	46.10	56.50	68.50	73.80
55.0		11.20	15.35	20.20	25.90	32.70	40.60	49.90	60.80	65.60

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	9.23	10.50	11.70	12.75	13.65	14.30	14.65	14.65	14.30	14.00
25.0	9.40	10.80	12.15	13.45	14.55	15.45	16.10	16.40	16.35	16.25
30.0	9.51	11.05	12.55	14.05	15.35	16.50	17.45	18.05	18.35	18.35
35.0	9.55	11.20	12.90	14.55	16.05	17.45	18.65	19.60	20.20	20.30
40.0		11.30	13.15	14.95	16.70	18.30	19.80	21.00	21.90	22.20
45.0		11.35	13.30	15.30	17.25	19.10	20.80	22.30	23.60	24.00
50.0		11.30	13.40	15.55	17.70	19.75	21.70	23.50	25.10	25.60
55.0		11.20	13.40	15.70	18.05	20.40	22.60	24.60	26.50	27.20

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	21.69	22.91	24.17	25.37	26.41	27.19	27.61	27.57	26.99	26.57
25.0	21.88	23.23	24.67	26.10	27.42	28.54	29.35	29.76	29.67	29.47
30.0	22.01	23.49	25.11	26.78	28.38	29.84	31.04	31.89	32.29	32.30
35.0	22.07	23.68	25.48	27.38	29.27	31.07	32.66	33.95	34.85	35.07
40.0		23.79	25.77	27.90	30.08	32.21	34.20	35.93	37.32	37.76
45.0		23.81	25.97	28.34	30.80	33.27	35.65	37.83	39.71	40.36
50.0		23.73	26.08	28.67	31.43	34.23	37.00	39.62	42.00	42.86
55.0		23.54	26.07	28.90	31.94	35.09	38.24	41.31	44.18	45.26

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	118.00	155.00	200.00	256.00	323.00	403.00	497.00	608.00	737.00	795.00
25.0	112.50	149.00	194.00	249.00	314.00	393.00	486.00	595.00	724.00	781.00
30.0	106.50	143.00	187.50	241.00	306.00	383.00	474.00	582.00	710.00	767.00
35.0	100.50	136.50	180.00	233.00	296.00	372.00	462.00	569.00	695.00	751.00
40.0		129.50	172.50	224.00	286.00	360.00	449.00	554.00	679.00	735.00
45.0		122.50	164.50	215.00	275.00	348.00	435.00	539.00	662.00	718.00
50.0		114.50	155.50	205.00	264.00	335.00	420.00	522.00	645.00	701.00
55.0		106.50	146.50	194.50	252.00	321.00	405.00	506.00	629.00	685.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	84.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	214
Gross Weight, kg	230
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	75
Sound Power, dBA	86
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	52
Locked Rotor Current, A	218
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
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted

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