



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	19.60	26.00	33.60	42.50	52.80	64.70	78.10	93.30	110.50	117.50
25.0	17.80	23.90	31.10	39.40	49.10	60.20	72.80	87.00	103.00	110.00
30.0	16.05	21.80	28.60	36.40	45.50	55.80	67.60	80.80	95.60	102.00
35.0	14.30	19.75	26.10	33.40	41.80	51.50	62.30	74.60	88.40	94.40
40.0		17.70	23.60	30.50	38.20	47.10	57.20	68.50	81.20	86.70
45.0		15.65	21.20	27.50	34.70	42.80	52.00	62.40	74.00	79.10
50.0		13.65	18.80	24.60	31.10	38.50	46.90	56.30	66.90	71.50
55.0		11.65	16.40	21.70	27.60	34.30	41.80	50.30	59.90	64.00

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	8.94	10.20	11.40	12.45	13.35	14.05	14.55	14.80	14.75	14.65
25.0	9.10	10.55	11.95	13.25	14.35	15.30	16.00	16.50	16.70	16.70
30.0	9.18	10.85	12.45	13.95	15.25	16.45	17.40	18.10	18.55	18.65
35.0	9.18	11.05	12.85	14.55	16.10	17.50	18.70	19.65	20.30	20.60
40.0		11.15	13.15	15.05	16.85	18.45	19.90	21.10	22.00	22.30
45.0		11.15	13.40	15.50	17.50	19.35	21.00	22.40	23.60	24.00
50.0		11.10	13.50	15.80	18.05	20.10	22.00	23.70	25.10	25.60
55.0		10.90	13.50	16.05	18.45	20.70	22.90	24.80	26.50	27.10

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	21.25	22.26	23.39	24.54	25.61	26.52	27.17	27.46	27.29	27.07
25.0	21.28	22.57	23.99	25.45	26.85	28.10	29.11	29.77	29.99	29.94
30.0	21.29	22.84	24.55	26.32	28.05	29.64	31.00	32.03	32.65	32.75
35.0	21.23	23.06	25.06	27.13	29.17	31.10	32.82	34.22	35.23	35.49
40.0		23.19	25.47	27.84	30.20	32.47	34.53	36.31	37.70	38.12
45.0		23.20	25.76	28.43	31.11	33.71	36.13	38.27	40.04	40.62
50.0		23.07	25.91	28.88	31.87	34.80	37.57	40.07	42.22	42.96
55.0		22.77	25.89	29.15	32.46	35.72	38.82	41.69	44.22	45.12

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	119.00	158.50	206.00	262.00	328.00	404.00	493.00	594.00	712.00	763.00
25.0	113.50	153.00	199.50	255.00	320.00	395.00	482.00	583.00	698.00	749.00
30.0	107.50	147.00	193.00	248.00	312.00	386.00	471.00	571.00	685.00	735.00
35.0	101.00	140.50	186.50	240.00	303.00	376.00	461.00	558.00	671.00	721.00
40.0		133.50	179.50	233.00	295.00	366.00	450.00	546.00	657.00	707.00
45.0		126.50	172.00	225.00	286.00	356.00	438.00	533.00	644.00	693.00
50.0		118.50	164.50	217.00	277.00	347.00	427.00	521.00	631.00	680.00
55.0		110.50	156.50	208.00	268.00	337.00	417.00	510.00	619.00	668.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	84.7
Length/Width, mm	690/515
Height, mm	495
Net Weight, kg	210
Gross Weight, kg	226
Suction, inch	2 1/8
Discharge, inch	1 3/8
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	70
Sound Power, dBA	81
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	48
Locked Rotor Current, A	221
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
Capacity Control	Capacity Steps 50%
Enclosure Class	IP 56
Check Valve	For unloaded start operation
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

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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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	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