



Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°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			30.80	39.70	50.20	62.50	76.80			
10.0			29.00	37.50	47.60	59.40	73.10	88.70	106.50	126.00
15.0			27.10	35.30	44.90	56.20	69.30	84.10	101.00	120.00
20.0			25.10	33.00	42.20	52.90	65.30	79.40	95.40	113.50
25.0			23.20	30.60	39.40	49.60	61.30	74.60	89.70	106.50
30.0			21.20	28.20	36.50	46.10	57.10	69.70	83.80	99.80
35.0			19.20	25.90	33.60	42.60	52.90	64.60	77.90	92.80
40.0				23.50	30.70	39.10	48.60	59.60	71.90	85.80
45.0					27.80	35.50	44.30	54.40	65.80	78.70
50.0					24.90	31.90	40.00	49.20	59.70	71.40
55.0						28.40	35.70	44.00	53.40	64.10

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			11.05	12.15	13.15	14.00	14.75			
10.0			11.55	12.85	14.05	15.10	16.05	16.75	17.30	17.55
15.0			12.05	13.55	14.95	16.20	17.35	18.30	19.05	19.60
20.0			12.55	14.20	15.80	17.30	18.65	19.85	20.90	21.60
25.0			12.95	14.85	16.65	18.35	19.95	21.40	22.60	23.70
30.0			13.35	15.40	17.45	19.40	21.20	22.90	24.40	25.70
35.0			13.65	15.95	18.20	20.40	22.40	24.40	26.20	27.80
40.0				16.40	18.85	21.30	23.60	25.80	27.90	29.80
45.0					19.50	22.20	24.80	27.20	29.60	31.70
50.0					20.00	23.00	25.80	28.60	31.20	33.70
55.0						23.70	26.80	29.90	32.80	35.50

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			26.01	27.26	28.40	29.39	30.18			
10.0			26.57	28.01	29.38	30.64	31.71	32.56	33.14	33.38
15.0			27.11	28.77	30.39	31.92	33.30	34.49	35.43	36.07
20.0			27.63	29.52	31.40	33.22	34.93	36.47	37.80	38.85
25.0			28.11	30.25	32.41	34.54	36.59	38.50	40.22	41.71
30.0			28.52	30.93	33.39	35.85	38.25	40.55	42.70	44.63
35.0			28.86	31.56	34.33	37.13	39.91	42.62	45.20	47.59
40.0				32.11	35.22	38.38	41.55	44.68	47.71	50.59
45.0					36.03	39.57	43.15	46.72	50.22	53.60
50.0					36.75	40.69	44.70	48.72	52.71	56.60
55.0						41.73	46.18	50.67	55.16	59.59

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			166.50	215.00	273.00	341.00	421.00			
10.0			162.50	211.00	269.00	337.00	417.00	509.00	614.00	735.00
15.0			158.50	207.00	265.00	333.00	412.00	503.00	608.00	729.00
20.0			153.50	202.00	260.00	327.00	406.00	497.00	602.00	721.00
25.0			148.50	197.00	254.00	322.00	400.00	490.00	594.00	713.00
30.0			143.00	191.00	248.00	315.00	393.00	482.00	586.00	704.00
35.0			137.00	185.00	242.00	308.00	385.00	474.00	576.00	694.00
40.0				178.50	234.00	300.00	376.00	464.00	566.00	683.00
45.0					227.00	292.00	367.00	454.00	555.00	672.00
50.0					219.00	283.00	357.00	444.00	544.00	660.00
55.0						275.00	348.00	434.00	533.00	650.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	740/580
Height, mm	700
Net Weight, kg	261
Gross Weight, kg	277
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	6.8
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	81
Sound Power (LT), dBA	92
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	74
Sound Power (MT), dBA	85
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	62.2
Locked Rotor Current, A	255
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 66%
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
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