



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 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								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	9.32	12.00	15.25	19.20	23.80	29.10	35.20	42.20	45.20
25.0	8.57	11.10	14.20	17.85	22.20	27.20	32.90	39.40	42.30
30.0	7.81	10.20	13.10	16.50	20.50	25.20	30.50	36.60	39.30
35.0	7.05	9.29	12.00	15.15	18.85	23.20	28.10	33.80	36.30
40.0	6.29	8.38	10.85	13.80	17.20	21.20	25.70	30.90	33.20
45.0	5.52	7.45	9.73	12.40	15.55	19.15	23.30	28.10	30.20
50.0	4.74	6.52	8.60	11.00	13.85	17.10	20.90	25.20	27.10
55.0		5.59	7.46	9.62	12.15	15.05	18.40	22.30	24.00

Cond °C	Power, kW								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	3.98	4.43	4.84	5.17	5.40	5.50	5.45	5.21	5.05
25.0	4.08	4.60	5.09	5.52	5.86	6.08	6.16	6.06	5.97
30.0	4.15	4.74	5.31	5.83	6.27	6.61	6.82	6.87	6.83
35.0	4.19	4.84	5.48	6.09	6.64	7.09	7.42	7.60	7.63
40.0	4.20	4.91	5.62	6.31	6.95	7.51	7.96	8.28	8.36
45.0	4.17	4.93	5.71	6.48	7.21	7.87	8.44	8.88	9.02
50.0	4.10	4.91	5.75	6.59	7.40	8.16	8.84	9.41	9.59
55.0		4.83	5.73	6.64	7.53	8.38	9.17	9.85	10.10

Cond °C	Current at 400 V, A								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	9.54	10.10	10.63	11.09	11.43	11.61	11.59	11.31	11.12
25.0	9.27	9.88	10.48	11.03	11.49	11.80	11.92	11.81	11.68
30.0	9.32	9.99	10.68	11.33	11.90	12.35	12.62	12.68	12.64
35.0	9.53	10.28	11.05	11.81	12.51	13.11	13.54	13.79	13.82
40.0	9.74	10.57	11.45	12.33	13.17	13.91	14.53	14.96	15.07
45.0	9.79	10.72	11.71	12.72	13.70	14.61	15.41	16.04	16.24
50.0	9.53	10.55	11.66	12.81	13.95	15.04	16.03	16.87	17.16
55.0		9.93	11.17	12.46	13.77	15.04	16.23	17.30	17.68

Cond °C	Suction Mass Flow, g/s								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	56.90	73.60	94.10	119.00	148.50	183.50	225.00	272.00	294.00
25.0	54.80	71.40	91.70	116.00	145.50	180.00	220.00	268.00	289.00
30.0	52.60	69.00	89.00	113.00	142.00	175.50	216.00	262.00	283.00
35.0	50.10	66.40	86.10	110.00	138.00	171.00	210.00	257.00	277.00
40.0	47.50	63.60	83.00	106.00	134.00	166.50	205.00	250.00	271.00
45.0	44.50	60.50	79.60	102.50	129.50	161.50	199.00	244.00	264.00
50.0	41.20	57.10	75.80	98.00	124.50	156.00	193.00	237.00	257.00
55.0		53.30	71.70	93.50	119.50	150.00	186.50	230.00	250.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /h	32.2
Bore/Stroke, mm	55.6/50.8
Length/Width, mm	655/370
Height, mm	480
Net Weight, kg	159
Gross Weight, kg	174
Suction, inch	1 3/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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)
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	17.9
Locked Rotor Current, A	82
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Check Valve	For unloaded start operation
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
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
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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00