



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	11.55	14.75	18.55	23.10	28.40	34.50	41.50	49.50	52.90
25.0	10.65	13.70	17.30	21.60	26.50	32.30	38.90	46.30	49.50
30.0	9.77	12.65	16.00	20.00	24.70	30.00	36.10	43.10	46.10
35.0	8.89	11.55	14.75	18.45	22.80	27.70	33.40	39.90	42.70
40.0	8.01	10.50	13.45	16.90	20.90	25.40	30.70	36.60	39.20
45.0	7.13	9.45	12.15	15.30	18.90	23.10	27.90	33.30	35.70
50.0	6.24	8.38	10.85	13.70	16.95	20.80	25.10	30.00	32.20
55.0		7.30	9.52	12.05	15.00	18.40	22.20	26.70	28.60

Cond °C	Power, kW								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	4.81	5.33	5.79	6.17	6.45	6.59	6.58	6.38	6.24
25.0	4.99	5.58	6.14	6.62	7.02	7.29	7.42	7.37	7.30
30.0	5.12	5.80	6.44	7.03	7.54	7.94	8.20	8.30	8.29
35.0	5.22	5.97	6.70	7.39	8.00	8.53	8.92	9.17	9.22
40.0	5.28	6.09	6.91	7.69	8.42	9.06	9.59	9.98	10.10
45.0	5.29	6.18	7.07	7.95	8.78	9.54	10.20	10.75	10.90
50.0	5.26	6.22	7.19	8.16	9.09	9.96	10.75	11.40	11.65
55.0		6.21	7.26	8.31	9.34	10.30	11.25	12.05	12.30

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	10.55	11.25	11.91	12.48	12.91	13.18	13.22	13.01	12.84
25.0	10.41	11.20	11.95	12.64	13.20	13.61	13.82	13.79	13.70
30.0	10.55	11.43	12.30	13.11	13.82	14.39	14.77	14.92	14.91
35.0	10.83	11.82	12.80	13.75	14.61	15.35	15.91	16.27	16.34
40.0	11.10	12.20	13.31	14.41	15.43	16.35	17.11	17.67	17.83
45.0	11.20	12.42	13.68	14.93	16.13	17.23	18.20	18.99	19.24
50.0	10.99	12.35	13.76	15.18	16.56	17.87	19.05	20.07	20.42
55.0		11.83	13.40	15.00	16.58	18.09	19.50	20.76	21.21

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	70.40	90.30	114.50	143.50	177.50	218.00	265.00	319.00	343.00
25.0	68.20	87.90	112.00	140.50	174.00	214.00	260.00	314.00	338.00
30.0	65.80	85.40	109.00	137.00	170.50	210.00	255.00	309.00	332.00
35.0	63.20	82.70	106.00	133.50	166.50	205.00	250.00	303.00	326.00
40.0	60.50	79.80	103.00	130.00	162.00	200.00	244.00	296.00	320.00
45.0	57.50	76.70	99.30	126.00	157.50	194.50	238.00	290.00	313.00
50.0	54.20	73.30	95.50	121.50	152.50	189.00	232.00	283.00	306.00
55.0		69.60	91.50	117.00	147.50	183.00	226.00	276.00	299.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /h	38.0
Bore/Stroke, mm	60.4/50.8
Length/Width, mm	682/370
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	21.6
Locked Rotor Current, A	106
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
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