



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	16.25	20.40	25.30	31.20	38.00	46.00	55.10	65.50	70.00
25.0	15.00	18.90	23.60	29.20	35.60	43.10	51.70	61.50	65.70
30.0	13.75	17.50	21.90	27.10	33.20	40.20	48.30	57.40	61.40
35.0	12.50	16.05	20.20	25.10	30.80	37.30	44.80	53.40	57.10
40.0	11.35	14.65	18.55	23.10	28.30	34.40	41.30	49.20	52.70
45.0	10.15	13.30	16.90	21.10	25.90	31.40	37.80	45.10	48.30
50.0	9.01	11.90	15.20	19.00	23.40	28.50	34.30	40.90	43.80
55.0		10.55	13.55	17.00	20.90	25.50	30.70	36.70	39.30

Cond °C	Power, kW								
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	6.79	7.46	8.08	8.62	9.10	9.49	9.78	9.97	10.00
25.0	7.09	7.86	8.59	9.26	9.85	10.35	10.80	11.10	11.20
30.0	7.32	8.21	9.05	9.83	10.55	11.20	11.75	12.20	12.40
35.0	7.50	8.50	9.45	10.35	11.20	11.95	12.65	13.25	13.50
40.0	7.61	8.73	9.80	10.80	11.80	12.70	13.50	14.25	14.55
45.0	7.67	8.89	10.10	11.25	12.35	13.35	14.30	15.20	15.55
50.0	7.67	9.00	10.30	11.60	12.80	13.95	15.05	16.10	16.50
55.0		9.05	10.50	11.90	13.25	14.55	15.75	16.95	17.40

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	14.20	14.98	15.70	16.36	16.96	17.49	17.96	18.36	18.50
25.0	14.52	15.51	16.43	17.30	18.10	18.85	19.52	20.14	20.37
30.0	14.74	15.93	17.06	18.13	19.14	20.09	20.98	21.80	22.11
35.0	14.89	16.27	17.60	18.87	20.09	21.24	22.33	23.36	23.75
40.0	14.96	16.55	18.07	19.54	20.96	22.31	23.60	24.84	25.31
45.0	15.00	16.77	18.49	20.16	21.77	23.32	24.81	26.24	26.80
50.0	15.00	16.96	18.88	20.74	22.54	24.28	25.97	27.60	28.24
55.0		17.14	19.24	21.29	23.28	25.22	27.10	28.93	29.64

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	99.30	125.00	156.00	193.50	238.00	290.00	351.00	423.00	454.00
25.0	95.90	121.50	152.50	189.50	234.00	285.00	346.00	417.00	449.00
30.0	92.50	118.50	149.00	186.00	229.00	281.00	341.00	411.00	443.00
35.0	89.00	115.00	145.50	182.00	225.00	276.00	335.00	405.00	436.00
40.0	85.50	111.50	142.00	178.00	220.00	270.00	329.00	399.00	430.00
45.0	82.00	108.00	138.00	173.50	215.00	265.00	323.00	392.00	423.00
50.0	78.30	104.00	134.00	169.00	211.00	259.00	317.00	386.00	417.00
55.0		100.50	130.50	165.00	206.00	254.00	311.00	380.00	411.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m <sup>3</sup> /h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	162
Gross Weight, kg	177
Suction, inch	1 5/8
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)
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
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	30.2
Locked Rotor Current, A	125
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

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

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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