



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	15.90	20.80	26.90	34.10	42.60	52.60	64.00	77.00	91.80	98.20
25.0	14.50	19.25	25.00	31.80	39.90	49.20	60.00	72.30	86.20	92.20
30.0	13.20	17.65	23.10	29.50	37.00	45.80	55.90	67.40	80.40	86.10
35.0	11.85	16.10	21.10	27.10	34.10	42.30	51.70	62.40	74.60	79.90
40.0		14.55	19.20	24.70	31.20	38.70	47.40	57.30	68.60	73.50
45.0		13.00	17.30	22.30	28.20	35.10	43.00	52.10	62.50	67.00
50.0		11.50	15.35	19.90	25.20	31.40	38.60	46.90	56.30	60.40
55.0		10.00	13.45	17.50	22.20	27.70	34.10	41.50	50.00	53.70

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	7.78	8.85	9.83	10.70	11.40	11.95	12.25	12.30	12.05	11.90
25.0	7.98	9.18	10.30	11.35	12.25	13.00	13.50	13.80	13.85	13.80
30.0	8.13	9.46	10.75	11.95	13.00	13.95	14.70	15.30	15.60	15.65
35.0	8.23	9.68	11.10	12.45	13.70	14.85	15.85	16.65	17.20	17.40
40.0		9.84	11.40	12.90	14.35	15.70	16.90	17.90	18.75	19.00
45.0		9.92	11.60	13.30	14.90	16.40	17.85	19.10	20.20	20.60
50.0		9.93	11.75	13.55	15.35	17.05	18.70	20.20	21.50	22.00
55.0		9.86	11.80	13.75	15.70	17.60	19.45	21.10	22.70	23.30

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	19.77	20.77	21.77	22.70	23.51	24.15	24.54	24.64	24.38	24.16
25.0	19.96	21.12	22.30	23.45	24.51	25.43	26.13	26.57	26.68	26.62
30.0	20.14	21.45	22.82	24.19	25.49	26.68	27.69	28.47	28.95	29.05
35.0	20.27	21.73	23.28	24.87	26.42	27.88	29.20	30.31	31.16	31.42
40.0		21.93	23.67	25.46	27.26	29.00	30.62	32.07	33.29	33.70
45.0		22.02	23.93	25.94	27.98	29.99	31.92	33.70	35.29	35.85
50.0		21.96	24.05	26.27	28.55	30.83	33.06	35.18	37.13	37.84
55.0		21.72	23.99	26.42	28.93	31.49	34.02	36.47	38.78	39.65

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	96.50	127.00	165.00	210.00	264.00	329.00	404.00	491.00	592.00	637.00
25.0	92.50	123.00	160.50	206.00	259.00	323.00	397.00	484.00	585.00	629.00
30.0	88.40	119.00	156.00	201.00	254.00	316.00	390.00	476.00	576.00	620.00
35.0	84.00	114.50	151.00	195.00	247.00	309.00	382.00	467.00	566.00	610.00
40.0		109.50	146.00	189.00	240.00	301.00	372.00	457.00	555.00	599.00
45.0		105.00	140.00	182.50	233.00	292.00	362.00	445.00	543.00	587.00
50.0		99.80	134.50	175.50	224.00	283.00	352.00	433.00	531.00	574.00
55.0		94.70	128.50	168.00	216.00	272.00	340.00	421.00	517.00	561.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	70.8
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	670/490
Height, mm	495
Net Weight, kg	194
Gross Weight, kg	210
Suction, inch	2 1/8
Discharge, inch	1 1/8
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	71
Sound Power, dBA	82
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	41
Locked Rotor Current, A	199
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
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Capacity Control	Capacity Steps 50%
Enclosure Class	IP 56
Check Valve	For unloaded start operation

MOTOR OPTIONS

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