



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	29.00	38.20	49.10	62.00	77.00	94.40	114.50	137.00	163.00	174.00
25.0	26.40	35.30	45.70	57.90	72.10	88.50	107.50	128.50	153.00	163.50
30.0	23.90	32.30	42.20	53.60	66.90	82.30	99.80	120.00	142.50	152.50
35.0	21.30	29.30	38.60	49.30	61.70	75.90	92.20	111.00	132.00	141.00
40.0		26.40	35.00	44.90	56.30	69.40	84.40	101.50	121.00	129.50
45.0		23.50	31.40	40.50	50.80	62.70	76.40	92.00	110.00	117.50
50.0		20.60	27.80	36.00	45.30	56.00	68.30	82.40	98.40	105.50
55.0		17.90	24.40	31.60	39.80	49.30	60.10	72.60	86.90	93.20

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	13.15	15.25	17.25	19.10	20.70	22.00	23.00	23.50	23.60	23.50
25.0	13.35	15.65	17.90	20.00	21.90	23.60	25.00	25.90	26.50	26.50
30.0	13.55	16.00	18.50	20.90	23.10	25.10	26.80	28.20	29.20	29.50
35.0	13.70	16.35	19.00	21.60	24.20	26.50	28.60	30.40	31.80	32.30
40.0		16.55	19.45	22.30	25.10	27.80	30.20	32.40	34.30	34.90
45.0		16.70	19.75	22.90	25.90	28.90	31.70	34.30	36.50	37.40
50.0		16.70	19.95	23.30	26.60	29.80	33.00	35.90	38.60	39.60
55.0		16.50	19.95	23.50	27.00	30.60	34.00	37.30	40.40	41.50

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	31.64	33.80	36.04	38.21	40.21	41.89	43.13	43.81	43.79	43.56
25.0	31.81	34.21	36.75	39.29	41.72	43.91	45.73	47.06	47.76	47.84
30.0	32.00	34.62	37.45	40.36	43.22	45.90	48.29	50.25	51.65	52.03
35.0	32.17	35.00	38.10	41.35	44.63	47.80	50.74	53.32	55.42	56.10
40.0		35.28	38.65	42.24	45.92	49.56	53.05	56.24	59.02	59.99
45.0		35.43	39.05	42.96	47.03	51.14	55.15	58.95	62.40	63.65
50.0		35.39	39.26	43.48	47.93	52.49	57.02	61.40	65.50	67.04
55.0		35.12	39.22	43.74	48.56	53.55	58.59	63.55	68.30	70.11

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	176.00	233.00	301.00	382.00	478.00	590.00	721.00	874.00	1052.00	1131.00
25.0	168.50	226.00	294.00	374.00	469.00	580.00	710.00	862.00	1038.00	1116.00
30.0	160.00	217.00	285.00	365.00	459.00	568.00	697.00	846.00	1021.00	1099.00
35.0	151.00	209.00	276.00	355.00	447.00	555.00	681.00	829.00	1002.00	1079.00
40.0		199.00	266.00	343.00	434.00	540.00	664.00	809.00	980.00	1056.00
45.0		189.00	255.00	331.00	419.00	522.00	644.00	787.00	955.00	1030.00
50.0		179.50	244.00	317.00	403.00	504.00	622.00	762.00	928.00	1002.00
55.0		169.50	232.00	304.00	387.00	484.00	599.00	736.00	899.00	973.00

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	760/565
Height, mm	545
Net Weight, kg	252
Gross Weight, kg	268
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 (MT), dBA	75
Sound Power (MT), dBA	86
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	74
Sound Power (HT), dBA	85
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 55 / 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	71.8
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Unloaded start	Available
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch

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	YY/Y	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	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00