



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- 0 °C Suction Gas Return with add cooling
- ▨ Limited superheat 20 K
- Maximum Evaporating Temperature
- 25 °C Suction Gas Return
- | Voltage limit ± 5% above -20°C

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
10.0	17.50	23.10	30.20	38.70	48.80				
15.0	15.90	21.30	28.00	36.10	45.70	56.80			
20.0	14.35	19.50	25.90	33.60	42.60	53.10	65.10		
25.0		17.75	23.80	31.00	39.50	49.40	60.70	73.50	
30.0		16.00	21.70	28.50	36.40	45.70	56.20	68.30	81.80
35.0			19.60	25.90	33.30	41.90	51.80	63.00	75.60
40.0			17.60	23.40	30.30	38.20	47.30	57.60	69.30
45.0				20.90	27.20	34.40	42.80	52.30	63.00
50.0				18.45	24.10	30.70	38.20	46.90	56.60
55.0					21.10	26.90	33.70	41.40	50.20

Cond °C	Power, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
10.0	8.15	9.56	11.00	12.35	13.65				
15.0	8.29	9.85	11.45	13.00	14.50	15.85			
20.0	8.38	10.05	11.80	13.55	15.25	16.85	18.30		
25.0		10.25	12.15	14.05	15.95	17.80	19.45	20.90	
30.0		10.35	12.40	14.50	16.60	18.60	20.50	22.30	23.80
35.0			12.60	14.85	17.10	19.35	21.50	23.50	25.30
40.0			12.70	15.15	17.60	20.00	22.40	24.70	26.70
45.0				15.35	18.00	20.60	23.20	25.70	28.10
50.0				15.55	18.35	21.20	24.00	26.70	29.30
55.0					18.60	21.60	24.70	27.60	30.50

Cond °C	Current at 400 V, A								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
10.0	19.82	21.33	22.88	24.37	25.73				
15.0	20.16	21.81	23.56	25.31	26.99	28.50			
20.0	20.38	22.17	24.11	26.12	28.12	30.01	31.72		
25.0		22.40	24.54	26.80	29.12	31.39	33.53	35.47	
30.0		22.52	24.84	27.36	29.98	32.63	35.21	37.64	39.83
35.0			25.03	27.79	30.72	33.74	36.75	39.67	42.42
40.0			25.10	28.10	31.33	34.71	38.15	41.56	44.86
45.0				28.29	31.82	35.56	39.42	43.32	47.16
50.0				28.36	32.19	36.28	40.56	44.94	49.32
55.0					32.43	36.88	41.58	46.43	51.35

Cond °C	Suction Mass Flow, g/s								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
10.0	97.20	129.00	168.50	217.00	274.00				
15.0	92.00	123.50	163.00	211.00	268.00	335.00			
20.0	86.70	118.00	157.50	205.00	261.00	327.00	404.00		
25.0		112.50	151.50	198.50	254.00	319.00	395.00	482.00	
30.0		107.00	145.50	191.50	246.00	311.00	385.00	472.00	571.00
35.0			139.00	184.50	238.00	302.00	375.00	460.00	558.00
40.0			132.00	177.00	230.00	292.00	364.00	448.00	545.00
45.0				169.00	221.00	282.00	353.00	435.00	531.00
50.0				160.50	211.00	271.00	340.00	421.00	516.00
55.0					201.00	259.00	327.00	407.00	501.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	216
Gross Weight, kg	232
Rotalock Discharge, inch	1 3/8
Suction, inch	2 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 (LT), dBA	74
Sound Power (LT), dBA	85
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
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	56.5
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Check Valve	For unloaded start operation
Capacity Control	Capacity Steps 66/33%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Oil Control System	ALCO Trax-Oil OM3

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
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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	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