



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	13.35	17.85	23.50	30.40	38.60					
15.0	12.10	16.40	21.80	28.40	36.20	45.20				
20.0	10.90	15.00	20.10	26.30	33.70	42.30	52.10			
25.0		13.60	18.45	24.30	31.30	39.30	48.50	58.90		
30.0		12.25	16.80	22.30	28.80	36.30	44.90	54.70	65.60	
35.0			15.15	20.30	26.30	33.30	41.30	50.40	60.60	
40.0			13.50	18.25	23.80	30.30	37.70	46.10	55.50	
45.0				16.25	21.30	27.20	34.00	41.80	50.40	
50.0				14.25	18.85	24.20	30.40	37.40	45.30	
55.0					16.35	21.10	26.70	32.90	40.10	

Cond °C	Power, kW								
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
10.0	6.31	7.39	8.48	9.54	10.50				
15.0	6.38	7.57	8.80	10.00	11.15	12.10			
20.0	6.42	7.71	9.06	10.40	11.70	12.90	13.90		
25.0		7.80	9.27	10.75	12.20	13.60	14.80	15.80	
30.0		7.85	9.43	11.05	12.65	14.20	15.65	16.85	17.85
35.0			9.54	11.30	13.05	14.75	16.40	17.85	19.05
40.0			9.59	11.45	13.40	15.25	17.05	18.70	20.20
45.0				11.60	13.65	15.70	17.65	19.55	21.20
50.0				11.65	13.85	16.05	18.20	20.30	22.20
55.0					14.00	16.35	18.65	20.90	23.00

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	15.92	16.92	18.06	19.22	20.32				
15.0	15.98	17.10	18.39	19.76	21.11	22.32			
20.0	16.00	17.23	18.68	20.24	21.82	23.31	24.60		
25.0		17.33	18.92	20.66	22.47	24.22	25.82	27.17	
30.0		17.37	19.10	21.02	23.04	25.05	26.95	28.64	30.01
35.0			19.22	21.31	23.53	25.79	27.98	30.00	31.75
40.0			19.29	21.53	23.95	26.45	28.92	31.27	33.38
45.0				21.69	24.30	27.02	29.77	32.42	34.88
50.0				21.77	24.56	27.51	30.51	33.47	36.27
55.0					24.74	27.90	31.15	34.40	37.55

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	74.10	99.30	131.50	170.50	217.00				
15.0	70.10	95.10	127.00	166.00	212.00	267.00			
20.0	65.90	90.80	122.50	161.00	207.00	261.00	323.00		
25.0		86.40	117.50	155.50	201.00	254.00	316.00	387.00	
30.0		81.80	112.50	150.00	194.50	247.00	308.00	378.00	458.00
35.0			107.00	144.00	188.00	240.00	300.00	369.00	448.00
40.0			101.50	137.50	181.00	231.00	290.00	359.00	437.00
45.0				131.00	173.00	223.00	281.00	348.00	425.00
50.0				123.50	164.50	213.00	270.00	336.00	412.00
55.0					156.00	203.00	259.00	324.00	399.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	84.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	212
Gross Weight, kg	228
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)
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	38.4
Locked Rotor Current, A	175
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
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Check Valve	For unloaded start operation

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
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