



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 25 °C Suction Gas Return
- 0 °C Suction Gas Return
- 0 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			17.35	22.40	28.40	35.50	43.90			
10.0			16.30	21.10	26.90	33.70	41.60	50.80	61.40	73.40
15.0			15.25	19.80	25.30	31.80	39.40	48.10	58.20	69.70
20.0			14.15	18.50	23.70	29.90	37.10	45.40	55.00	65.90
25.0			13.05	17.15	22.10	27.90	34.70	42.60	51.70	62.10
30.0			11.90	15.80	20.50	26.00	32.40	39.80	48.40	58.30
35.0			10.80	14.45	18.80	24.00	30.00	37.00	45.10	54.40
40.0				13.10	17.15	22.00	27.60	34.20	41.70	50.50
45.0					15.45	19.90	25.20	31.30	38.40	46.50
50.0					13.75	17.90	22.70	28.40	34.90	42.50
55.0						15.80	20.20	25.40	31.50	38.50

Cond °C	Power, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			6.11	6.74	7.30	7.75	8.07			
10.0			6.43	7.16	7.82	8.39	8.83	9.11	9.21	9.08
15.0			6.74	7.57	8.34	9.03	9.61	10.05	10.30	10.30
20.0			7.02	7.95	8.85	9.67	10.40	10.95	11.40	11.60
25.0			7.26	8.31	9.33	10.30	11.15	11.90	12.45	12.85
30.0			7.45	8.62	9.77	10.85	11.90	12.80	13.55	14.15
35.0			7.58	8.87	10.15	11.40	12.60	13.65	14.60	15.40
40.0				9.06	10.50	11.90	13.25	14.50	15.60	16.60
45.0					10.75	12.30	13.85	15.25	16.60	17.80
50.0					10.90	12.65	14.35	16.00	17.50	18.90
55.0						12.90	14.80	16.60	18.35	19.95

Cond °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			14.53	15.19	15.81	16.33	16.67			
10.0			14.83	15.61	16.37	17.04	17.57	17.90	17.95	17.68
15.0			15.14	16.05	16.96	17.81	18.53	19.07	19.37	19.36
20.0			15.45	16.49	17.56	18.59	19.52	20.29	20.84	21.10
25.0			15.72	16.92	18.15	19.37	20.52	21.52	22.33	22.89
30.0			15.95	17.30	18.71	20.14	21.51	22.76	23.84	24.69
35.0			16.10	17.62	19.22	20.86	22.47	23.98	25.34	26.50
40.0				17.86	19.66	21.52	23.37	25.16	26.81	28.28
45.0					20.01	22.10	24.21	26.27	28.23	30.02
50.0					20.25	22.58	24.96	27.31	29.58	31.70
55.0						22.94	25.59	28.24	30.83	33.30

Cond °C	Suction Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			93.00	120.00	153.00	192.00	238.00			
10.0			90.80	118.00	150.50	189.50	235.00	289.00	352.00	424.00
15.0			88.40	115.50	147.50	186.50	232.00	286.00	348.00	420.00
20.0			85.70	112.50	144.50	183.00	228.00	282.00	344.00	416.00
25.0			82.80	109.50	141.50	179.50	225.00	277.00	339.00	411.00
30.0			79.60	106.00	138.00	175.50	220.00	273.00	335.00	407.00
35.0			76.10	102.50	134.00	171.50	216.00	268.00	330.00	402.00
40.0				98.30	129.50	166.50	211.00	263.00	325.00	397.00
45.0					125.00	161.50	206.00	258.00	319.00	392.00
50.0					119.50	156.50	200.00	252.00	314.00	387.00
55.0						151.00	194.50	247.00	309.00	384.00

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	680/535
Height, mm	605
Net Weight, kg	205
Gross Weight, kg	221
Rotalock Discharge, inch	1 1/8
Suction, inch	1 5/8
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	77
Sound Power (LT), dBA	88
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	35.3
Locked Rotor Current, A	156
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 50%
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
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