



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified
- 0 °C Suction Gas Return
- 0 °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									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			20.90	27.00	34.30	42.90	52.90			
10.0			19.80	25.60	32.60	40.80	50.40	61.50	74.30	88.70
15.0			18.60	24.20	30.80	38.60	47.80	58.40	70.60	84.40
20.0			17.35	22.60	29.00	36.40	45.10	55.20	66.80	79.90
25.0			16.05	21.10	27.10	34.10	42.40	51.90	62.90	75.40
30.0			14.75	19.50	25.20	31.80	39.60	48.60	58.90	70.70
35.0			13.40	17.90	23.20	29.40	36.70	45.10	54.80	66.00
40.0				16.25	21.20	27.00	33.70	41.60	50.70	61.10
45.0					19.10	24.50	30.70	38.00	46.50	56.20
50.0					17.05	21.90	27.70	34.40	42.20	51.20
55.0						19.40	24.60	30.80	37.90	46.20

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			7.36	8.12	8.79	9.32	9.68			
10.0			7.77	8.66	9.45	10.15	10.65	10.95	11.05	10.85
15.0			8.18	9.19	10.10	10.95	11.60	12.10	12.35	12.35
20.0			8.56	9.70	10.80	11.75	12.60	13.25	13.70	13.95
25.0			8.90	10.20	11.40	12.55	13.55	14.40	15.10	15.50
30.0			9.17	10.60	12.00	13.30	14.50	15.55	16.40	17.05
35.0			9.36	10.95	12.50	14.00	15.40	16.65	17.75	18.60
40.0				11.20	12.95	14.60	16.20	17.70	19.00	20.10
45.0					13.25	15.15	16.95	18.65	20.20	21.50
50.0					13.45	15.55	17.55	19.50	21.30	22.90
55.0						15.85	18.10	20.20	22.30	24.10

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			17.06	17.89	18.64	19.24	19.62			
10.0			17.46	18.43	19.34	20.14	20.74	21.08	21.10	20.72
15.0			17.88	19.00	20.10	21.10	21.93	22.54	22.84	22.79
20.0			18.30	19.59	20.87	22.09	23.17	24.06	24.67	24.94
25.0			18.68	20.15	21.64	23.09	24.44	25.61	26.54	27.16
30.0			19.00	20.66	22.37	24.07	25.69	27.17	28.43	29.41
35.0			19.22	21.09	23.04	25.00	26.92	28.71	30.32	31.67
40.0				21.41	23.61	25.85	28.07	30.20	32.16	33.91
45.0					24.07	26.60	29.13	31.61	33.95	36.09
50.0					24.37	27.21	30.08	32.91	35.64	38.20
55.0						27.65	30.87	34.08	37.21	40.20

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			112.00	145.00	184.50	232.00	288.00			
10.0			110.00	143.00	182.50	229.00	285.00	350.00	425.00	512.00
15.0			108.00	140.50	180.00	227.00	282.00	346.00	422.00	508.00
20.0			105.00	137.50	177.00	223.00	278.00	342.00	417.00	504.00
25.0			102.00	134.50	173.50	219.00	274.00	338.00	412.00	499.00
30.0			98.50	130.50	169.50	215.00	269.00	333.00	407.00	493.00
35.0			94.60	126.50	165.00	210.00	264.00	327.00	401.00	487.00
40.0				122.00	160.00	205.00	258.00	321.00	394.00	481.00
45.0					154.00	198.50	251.00	314.00	387.00	474.00
50.0					148.00	192.00	244.00	306.00	380.00	467.00
55.0						185.00	237.00	299.00	372.00	460.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	700/535
Height, mm	795
Net Weight, kg	215
Gross Weight, kg	231
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	78
Sound Power (LT), dBA	89
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	42.8
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

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