



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	34.50	44.90	57.50	72.50	90.10	110.50	134.50	161.50	192.00	205.00
25.0	31.30	41.40	53.40	67.50	84.10	103.50	125.50	151.00	180.00	192.50
30.0	28.20	37.80	49.10	62.40	78.00	96.00	117.00	140.50	167.50	179.50
35.0	25.10	34.30	44.90	57.30	71.70	88.50	108.00	130.00	155.00	166.00
40.0		30.70	40.60	52.10	65.40	80.90	98.60	119.00	142.50	152.50
45.0		27.30	36.40	46.90	59.10	73.10	89.30	108.00	129.00	138.50
50.0		23.90	32.30	41.80	52.70	65.40	80.00	96.80	116.00	124.50
55.0		20.70	28.20	36.60	46.30	57.50	70.50	85.50	102.50	110.50

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	15.85	18.30	20.70	22.80	24.60	26.00	26.80	26.90	26.20	25.70
25.0	16.20	18.85	21.50	23.90	26.10	28.00	29.30	30.00	30.00	29.80
30.0	16.45	19.30	22.20	24.90	27.50	29.80	31.70	33.00	33.60	33.70
35.0	16.60	19.60	22.70	25.80	28.80	31.50	33.80	35.70	37.00	37.30
40.0		19.85	23.20	26.50	29.80	32.90	35.80	38.20	40.00	40.60
45.0		19.95	23.50	27.10	30.70	34.20	37.50	40.40	42.80	43.70
50.0		19.95	23.60	27.50	31.40	35.30	39.00	42.40	45.40	46.40
55.0		19.80	23.60	27.70	31.90	36.10	40.20	44.10	47.60	48.90

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	40.84	43.32	45.52	47.43	49.06	50.40	51.46	52.22	52.70	52.81
25.0	40.84	43.91	46.70	49.21	51.43	53.36	55.01	56.38	57.45	57.80
30.0	40.57	44.23	47.61	50.70	53.52	56.04	58.29	60.25	61.91	62.50
35.0	40.05	44.30	48.26	51.94	55.34	58.46	61.29	63.84	66.10	66.93
40.0		44.13	48.68	52.94	56.93	60.63	64.05	67.19	70.04	71.10
45.0		43.75	48.87	53.72	58.29	62.57	66.58	70.30	73.74	75.03
50.0		43.16	48.87	54.29	59.44	64.30	68.89	73.19	77.21	78.74
55.0		42.40	48.67	54.67	60.39	65.83	71.00	75.88	80.48	82.24

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	210.00	274.00	353.00	447.00	559.00	691.00	847.00	1028.00	1240.00	1333.00
25.0	199.50	265.00	343.00	436.00	547.00	678.00	832.00	1012.00	1221.00	1315.00
30.0	189.00	254.00	332.00	425.00	534.00	663.00	815.00	993.00	1201.00	1293.00
35.0	178.00	244.00	321.00	412.00	520.00	647.00	796.00	972.00	1177.00	1269.00
40.0		232.00	309.00	398.00	504.00	629.00	776.00	948.00	1152.00	1243.00
45.0		220.00	296.00	384.00	487.00	609.00	753.00	923.00	1124.00	1214.00
50.0		208.00	282.00	368.00	469.00	588.00	728.00	895.00	1094.00	1183.00
55.0		196.00	269.00	352.00	450.00	566.00	703.00	866.00	1062.00	1152.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	152
Bore/Stroke, mm	80.6/57.0
Length/Width, mm	770/570
Height, mm	539
Net Weight, kg	268
Gross Weight, kg	284
Suction, inch	2 5/8
Discharge, inch	1 5/8
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	457 x 305 (18)
Sound Pressure @ 1m, dBA	77.8
Sound Power, dBA	88.8
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	89.4
Locked Rotor Current, A	393
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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