



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	12.65	16.65	21.50	27.30	34.10	41.90	50.90	61.20	72.80	77.80
25.0	11.45	15.25	19.85	25.30	31.70	39.10	47.50	57.20	68.10	72.80
30.0	10.30	13.90	18.20	23.30	29.20	36.20	44.10	53.20	63.40	67.80
35.0	9.19	12.55	16.55	21.30	26.80	33.30	40.70	49.10	58.70	62.80
40.0		11.25	14.95	19.30	24.40	30.40	37.20	45.10	54.00	57.80
45.0		9.94	13.35	17.35	22.00	27.50	33.80	41.00	49.20	52.80
50.0		8.69	11.80	15.40	19.65	24.60	30.30	36.90	44.50	47.80
55.0		7.48	10.25	13.50	17.30	21.70	26.90	32.90	39.70	42.70

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	6.03	6.89	7.67	8.35	8.90	9.29	9.49	9.47	9.20	9.02
25.0	6.18	7.13	8.03	8.84	9.54	10.10	10.45	10.65	10.60	10.50
30.0	6.28	7.33	8.33	9.27	10.10	10.85	11.40	11.75	11.95	11.95
35.0	6.33	7.46	8.58	9.64	10.65	11.50	12.25	12.80	13.20	13.30
40.0		7.54	8.76	9.95	11.05	12.10	13.05	13.80	14.40	14.55
45.0		7.56	8.88	10.20	11.45	12.65	13.75	14.70	15.50	15.75
50.0		7.51	8.94	10.35	11.75	13.10	14.40	15.55	16.55	16.90
55.0		7.41	8.93	10.50	12.00	13.50	14.95	16.30	17.50	17.95

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	15.60	16.36	17.15	17.91	18.57	19.06	19.34	19.33	18.96	18.70
25.0	15.86	16.69	17.58	18.46	19.27	19.95	20.43	20.65	20.54	20.39
30.0	16.16	17.07	18.07	19.09	20.07	20.94	21.64	22.11	22.28	22.25
35.0	16.41	17.42	18.55	19.72	20.88	21.97	22.91	23.64	24.10	24.20
40.0		17.64	18.91	20.26	21.62	22.93	24.12	25.14	25.91	26.13
45.0		17.66	19.09	20.62	22.20	23.75	25.21	26.52	27.62	27.98
50.0		17.37	18.98	20.72	22.52	24.33	26.08	27.70	29.14	29.65
55.0		16.70	18.50	20.46	22.51	24.59	26.65	28.60	30.39	31.05

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	76.90	101.50	132.00	168.50	211.00	262.00	321.00	390.00	470.00	505.00
25.0	73.00	97.70	127.50	163.50	206.00	256.00	315.00	383.00	462.00	497.00
30.0	69.10	93.50	123.00	158.50	200.00	250.00	308.00	375.00	454.00	489.00
35.0	65.10	89.20	118.50	153.00	194.50	243.00	300.00	367.00	446.00	480.00
40.0		84.80	113.50	147.50	188.00	236.00	293.00	359.00	437.00	472.00
45.0		80.20	108.50	142.00	181.50	229.00	285.00	350.00	428.00	463.00
50.0		75.50	103.00	136.00	175.00	221.00	276.00	342.00	419.00	454.00
55.0		70.80	97.70	130.00	168.00	214.00	268.00	333.00	411.00	446.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	650/485
Height, mm	495
Net Weight, kg	183
Gross Weight, kg	199
Suction, inch	1 5/8
Discharge, inch	1 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 (MT), dBA	71
Sound Power (MT), dBA	82
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	70
Sound Power (HT), dBA	81
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 55 / 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	32.7
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Capacity Control	Capacity Steps 50%
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
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

<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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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