



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 10 K Suction Superheat with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	47.00	59.00	73.10	89.70	109.00	131.50				
15.0	44.10	55.60	69.30	85.30	104.00	125.50				
20.0	41.10	52.30	65.50	80.90	98.90	119.50	143.50	154.00		
25.0	38.20	49.00	61.70	76.50	93.70	113.50	136.50	146.50	162.50	177.00
30.0	35.30	45.70	57.80	72.10	88.60	107.50	129.50	139.00	154.50	168.50
35.0		42.40	54.00	67.60	83.40	101.50	122.50	132.00	146.50	160.00
40.0			50.20	63.20	78.30	95.60	115.50	124.50	138.50	151.00
45.0			46.50	58.80	73.10	89.60	108.50	117.00	130.00	142.00
50.0				54.40	67.90	83.50	101.50	109.50	122.00	133.50
55.0					62.80	77.50	94.40	102.00	114.00	124.50
60.0					57.70	71.50	87.40	94.40	105.50	115.50
62.0					55.70	69.10	84.60	91.40	102.50	112.00

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	13.95	14.70	15.15	15.20	14.85	14.00				
15.0	14.70	15.70	16.45	16.90	16.90	16.50				
20.0	15.40	16.70	17.75	18.55	18.95	18.95	18.50	18.15		
25.0	16.05	17.65	19.00	20.10	20.90	21.30	21.30	21.20	20.80	20.40
30.0	16.70	18.55	20.20	21.70	22.80	23.70	24.10	24.10	24.10	23.90
35.0		19.40	21.40	23.10	24.70	25.90	26.80	27.00	27.20	27.20
40.0			22.40	24.50	26.40	28.00	29.30	29.70	30.20	30.50
45.0			23.40	25.80	28.00	30.10	31.80	32.40	33.10	33.70
50.0				27.00	29.60	32.00	34.10	34.90	35.90	36.70
55.0					31.00	33.80	36.30	37.30	38.60	39.60
60.0					32.30	35.40	38.40	39.50	41.10	42.30
62.0					32.80	36.10	39.20	40.30	42.00	43.40

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	32.44	33.24	33.69	33.70	33.16	31.98				
15.0	33.35	34.51	35.38	35.85	35.84	35.23				
20.0	34.23	35.75	37.02	37.96	38.47	38.44	37.77	37.30		
25.0	35.07	36.94	38.62	40.02	41.04	41.58	41.53	41.33	40.81	40.16
30.0	35.86	38.07	40.15	42.01	43.54	44.64	45.22	45.28	45.17	44.88
35.0		39.13	41.61	43.92	45.95	47.62	48.81	49.13	49.43	49.50
40.0			42.98	45.74	48.28	50.50	52.30	52.88	53.59	54.01
45.0			44.25	47.45	50.49	53.27	55.68	56.52	57.63	58.40
50.0				49.06	52.59	55.91	58.93	60.02	61.53	62.65
55.0					54.56	58.42	62.04	63.39	65.30	66.76
60.0					56.38	60.79	65.00	66.60	68.91	70.72
62.0					57.07	61.69	66.14	67.84	70.30	72.25

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	221.00	278.00	346.00	426.00	520.00	631.00				
15.0	213.00	270.00	337.00	417.00	511.00	621.00				
20.0	205.00	261.00	329.00	408.00	501.00	610.00	738.00	794.00		
25.0	196.00	252.00	319.00	398.00	491.00	599.00	725.00	782.00	873.00	955.00
30.0	187.50	243.00	310.00	388.00	480.00	587.00	712.00	768.00	859.00	941.00
35.0		234.00	300.00	377.00	468.00	574.00	699.00	754.00	844.00	925.00
40.0			289.00	366.00	456.00	561.00	684.00	739.00	828.00	909.00
45.0			278.00	354.00	443.00	547.00	669.00	723.00	811.00	892.00
50.0				341.00	429.00	532.00	653.00	707.00	794.00	873.00
55.0					415.00	517.00	636.00	690.00	776.00	855.00
60.0					401.00	501.00	619.00	672.00	757.00	835.00
62.0					395.00	495.00	612.00	665.00	750.00	827.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	6
Displacement @ 50 Hz, m³/h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	760/565
Height, mm	545
Net Weight, kg	252
Gross Weight, kg	268
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
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	381 x 305 (18)
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
Sound Pressure @ 1m (HT), dBA	72
Sound Power (HT), dBA	83
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	1810
Refrigerant's classification	A1

**COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)**

Maximum Operating Current, A	71.8
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

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

**ACCESSORIES OPTIONAL**

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

**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
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