



Minimum Evaporating Temp. With:  
█ 25 °C Suction Gas Return  
█ 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
30.0	18.15	23.00	28.60	35.20	42.80	51.60	61.70	66.20	73.30	79.80
35.0	16.90	21.50	27.00	33.30	40.60	49.00	58.60	62.90	69.70	75.90
40.0	15.65	20.10	25.30	31.30	38.20	46.30	55.50	59.50	66.00	71.90
45.0		18.65	23.60	29.30	35.90	43.50	52.30	56.10	62.30	67.80
50.0		17.15	21.80	27.30	33.50	40.70	49.00	52.70	58.50	63.70
55.0			20.10	25.20	31.10	37.90	45.70	49.20	54.70	59.60
60.0			18.35	23.20	28.70	35.10	42.40	45.60	50.80	55.40
62.0				22.30	27.80	34.00	41.10	44.20	49.20	53.70

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	7.05	7.75	8.36	8.87	9.24	9.44	9.43	9.37	9.19	8.96
35.0	7.46	8.26	9.00	9.64	10.15	10.50	10.70	10.70	10.65	10.55
40.0	7.83	8.74	9.60	10.35	11.00	11.55	11.90	12.00	12.05	12.00
45.0		9.18	10.15	11.05	11.85	12.50	13.05	13.20	13.35	13.45
50.0		9.57	10.65	11.65	12.60	13.45	14.10	14.35	14.60	14.80
55.0			11.10	12.25	13.30	14.30	15.15	15.40	15.80	16.10
60.0			11.55	12.80	14.00	15.10	16.05	16.45	16.90	17.30
62.0				13.00	14.25	15.40	16.45	16.80	17.35	17.75

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
30.0	15.94	16.88	17.72	18.43	18.94	19.23	19.22	19.13	18.88	18.56
35.0	16.49	17.59	18.61	19.51	20.25	20.76	21.02	21.03	20.95	20.78
40.0	16.99	18.25	19.45	20.55	21.50	22.25	22.76	22.88	22.97	22.95
45.0		18.86	20.24	21.53	22.69	23.67	24.44	24.67	24.93	25.05
50.0		19.42	20.96	22.44	23.81	25.02	26.04	26.38	26.80	27.07
55.0			21.63	23.29	24.86	26.30	27.55	27.99	28.58	28.99
60.0			22.23	24.07	25.84	27.49	28.98	29.52	30.26	30.81
62.0				24.37	26.21	27.94	29.52	30.10	30.90	31.51

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
30.0	96.30	122.50	153.00	189.50	232.00	281.00	339.00	365.00	407.00	445.00
35.0	92.90	119.00	149.50	185.50	227.00	277.00	334.00	360.00	401.00	439.00
40.0	89.30	115.00	145.50	181.00	223.00	271.00	328.00	354.00	395.00	433.00
45.0		111.00	141.00	176.00	217.00	266.00	322.00	347.00	388.00	425.00
50.0		106.50	136.00	171.00	212.00	260.00	315.00	340.00	381.00	418.00
55.0			131.00	165.50	206.00	253.00	308.00	333.00	373.00	409.00
60.0			125.50	159.50	199.50	246.00	301.00	325.00	364.00	400.00
62.0				157.00	197.00	243.00	297.00	321.00	361.00	396.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, m <sup>3</sup> /h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	650/535
Height, mm	495
Net Weight, kg	196
Gross Weight, kg	212
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)
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	32.5
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
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Unloaded start	Available
Deep Oil Sump	Mounted
Capacity Control	Capacity Steps 50%
Check Valve	For unloaded start operation

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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