



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	27.80	34.70	42.70	52.10	62.90	75.40	89.80	96.10	106.50	115.50
35.0	26.10	32.70	40.30	49.30	59.60	71.50	85.10	91.20	101.00	109.50
40.0	24.50	30.70	38.00	46.40	56.20	67.50	80.40	86.20	95.30	103.50
45.0		28.70	35.60	43.60	52.80	63.50	75.70	81.10	89.70	97.50
50.0		26.70	33.20	40.70	49.40	59.40	70.90	75.90	84.10	91.30
55.0			30.70	37.80	45.90	55.30	66.00	70.80	78.30	85.10
60.0			28.30	34.90	42.50	51.20	61.20	65.50	72.60	78.80
62.0				33.70	41.10	49.50	59.20	63.40	70.20	76.30

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	11.20	12.30	13.35	14.25	15.00	15.60	15.90	15.95	15.95	15.85
35.0	11.90	13.15	14.35	15.40	16.35	17.15	17.75	17.90	18.05	18.05
40.0	12.55	13.90	15.25	16.50	17.65	18.65	19.45	19.70	20.00	20.20
45.0		14.65	16.15	17.55	18.85	20.10	21.10	21.50	21.90	22.20
50.0		15.35	16.95	18.50	20.00	21.40	22.60	23.10	23.70	24.20
55.0			17.75	19.45	21.10	22.60	24.10	24.60	25.40	25.90
60.0			18.45	20.30	22.10	23.80	25.40	26.10	26.90	27.60
62.0				20.60	22.50	24.30	26.00	26.60	27.50	28.30

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	23.76	25.46	27.04	28.46	29.65	30.53	31.04	31.12	31.09	30.92
35.0	24.80	26.72	28.57	30.27	31.77	33.01	33.91	34.16	34.40	34.46
40.0	25.80	27.93	30.02	31.99	33.80	35.38	36.66	37.07	37.57	37.86
45.0		29.08	31.39	33.63	35.73	37.63	39.27	39.84	40.59	41.10
50.0		30.17	32.69	35.17	37.55	39.76	41.75	42.47	43.44	44.17
55.0			33.92	36.63	39.26	41.76	44.07	44.93	46.14	47.05
60.0			35.07	37.99	40.86	43.63	46.24	47.23	48.65	49.75
62.0				38.51	41.47	44.34	47.07	48.11	49.60	50.77

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	147.50	184.50	229.00	280.00	340.00	411.00	493.00	530.00	590.00	644.00
35.0	143.50	180.50	224.00	275.00	334.00	404.00	485.00	521.00	580.00	634.00
40.0	139.50	175.50	218.00	269.00	327.00	396.00	476.00	512.00	570.00	623.00
45.0		170.50	213.00	262.00	320.00	388.00	467.00	502.00	559.00	611.00
50.0		165.50	207.00	255.00	312.00	379.00	456.00	491.00	547.00	598.00
55.0			201.00	248.00	304.00	369.00	445.00	479.00	534.00	585.00
60.0			194.00	240.00	295.00	359.00	433.00	467.00	521.00	570.00
62.0				237.00	291.00	355.00	428.00	461.00	515.00	564.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, m <sup>3</sup> /h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	690/535
Height, mm	495
Net Weight, kg	214
Gross Weight, kg	230
Suction, inch	2 1/8
Discharge, inch	1 3/8
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	52.5
Locked Rotor Current, A	221
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
Deep Oil Sump	Mounted
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Unloaded start	Available
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