



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	25.20	31.90	40.20	50.20	62.10	75.90	91.80	98.80	110.00	120.00
35.0	23.30	29.50	37.30	46.70	57.90	70.90	85.90	92.50	103.00	112.50
40.0	21.40	27.20	34.50	43.30	53.80	66.00	80.20	86.50	96.50	105.50
45.0		25.10	31.80	40.10	49.80	61.40	74.70	80.60	90.10	98.50
50.0		23.00	29.30	36.90	46.10	56.80	69.40	74.90	83.90	91.90
55.0			26.90	33.90	42.40	52.50	64.20	69.40	77.90	85.40
60.0			24.50	31.10	38.90	48.30	59.30	64.10	72.00	79.20

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	9.60	10.75	11.95	13.00	14.00	14.75	15.25	15.35	15.45	15.40
35.0	10.55	11.80	13.10	14.35	15.50	16.50	17.30	17.50	17.80	17.90
40.0	11.50	12.85	14.25	15.65	16.95	18.15	19.20	19.55	19.95	20.20
45.0		13.80	15.30	16.80	18.30	19.70	21.00	21.40	22.00	22.40
50.0		14.75	16.30	17.90	19.55	21.10	22.60	23.10	23.90	24.40
55.0			17.25	18.95	20.70	22.40	24.10	24.70	25.60	26.30
60.0			18.15	19.95	21.80	23.70	25.50	26.20	27.20	28.00

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	22.39	23.86	25.40	26.88	28.21	29.29	30.00	30.16	30.24	30.15
35.0	23.60	25.23	26.98	28.74	30.39	31.85	32.99	33.34	33.72	33.89
40.0	24.83	26.60	28.54	30.54	32.49	34.30	35.85	36.38	37.04	37.47
45.0		27.95	30.05	32.27	34.50	36.64	38.57	39.27	40.20	40.87
50.0		29.27	31.51	33.93	36.41	38.85	41.15	42.00	43.19	44.09
55.0			32.92	35.51	38.22	40.94	43.57	44.57	46.01	47.12
60.0			34.27	37.00	39.91	42.89	45.83	46.97	48.63	49.95

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	139.00	173.00	215.00	264.00	322.00	388.00	463.00	496.00	547.00	593.00
35.0	134.00	167.00	208.00	256.00	312.00	377.00	451.00	483.00	534.00	579.00
40.0	129.00	161.50	201.00	248.00	303.00	367.00	439.00	471.00	521.00	565.00
45.0		156.00	194.50	241.00	294.00	357.00	428.00	459.00	508.00	552.00
50.0		151.00	188.50	233.00	286.00	347.00	417.00	448.00	496.00	540.00
55.0			183.00	227.00	278.00	338.00	407.00	437.00	485.00	528.00
60.0			177.50	221.00	271.00	330.00	398.00	427.00	475.00	518.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /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)
Sound Pressure @ 1m, dBA	74
Sound Power, dBA	85
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
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

<p>Additional Cooling Capacity Control Crankcase Heater Enclosure Class Oil Pressure Switch Unloaded start Deep Oil Sump Adapter Kit Check Valve Oil Control System</p>	<p>70 W Vertical Air Flow Fan Capacity Steps 50% 100 W Internal IP 56 OPS2 Electronic Switch Available Mounted For Parallel Operation For unloaded start operation ALCO Trax-Oil OM3</p>
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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	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