



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

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	11.25	14.60	18.60	23.30	29.00	35.60	43.20	46.60	52.00	56.80
35.0	10.40	13.60	17.40	21.90	27.30	33.50	40.80	44.10	49.20	53.90
40.0	9.57	12.60	16.20	20.50	25.60	31.60	38.50	41.60	46.50	51.00
45.0		11.70	15.10	19.15	24.00	29.60	36.20	39.10	43.90	48.10
50.0		10.80	14.05	17.85	22.40	27.70	34.00	36.70	41.20	45.30
55.0			13.00	16.55	20.80	25.80	31.70	34.40	38.60	42.50
60.0			12.00	15.35	19.30	24.00	29.50	32.00	36.00	39.70

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	6.57	7.19	7.77	8.28	8.70	9.01	9.21	9.25	9.26	9.23
35.0	6.77	7.48	8.16	8.78	9.33	9.78	10.10	10.20	10.35	10.40
40.0	6.93	7.74	8.52	9.25	9.92	10.50	11.00	11.15	11.40	11.50
45.0		7.98	8.86	9.71	10.50	11.25	11.90	12.10	12.40	12.65
50.0		8.21	9.20	10.15	11.10	11.95	12.75	13.05	13.45	13.75
55.0			9.54	10.65	11.70	12.70	13.65	14.00	14.50	14.90
60.0			9.92	11.10	12.30	13.45	14.55	15.00	15.60	16.10

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	13.34	14.18	14.92	15.56	16.09	16.52	16.84	16.94	17.06	17.13
35.0	13.54	14.59	15.53	16.36	17.09	17.72	18.24	18.42	18.66	18.83
40.0	13.70	14.94	16.08	17.12	18.05	18.88	19.60	19.86	20.22	20.49
45.0		15.25	16.59	17.83	18.96	19.99	20.92	21.26	21.74	22.11
50.0		15.51	17.05	18.49	19.83	21.06	22.19	22.61	23.21	23.68
55.0			17.47	19.11	20.65	22.08	23.41	23.91	24.64	25.21
60.0			17.84	19.68	21.42	23.06	24.59	25.18	26.02	26.69

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	67.00	85.30	107.00	132.00	161.50	195.00	234.00	251.00	277.00	301.00
35.0	64.90	83.30	105.00	130.00	159.00	192.50	231.00	248.00	274.00	298.00
40.0	63.00	81.40	103.00	127.50	156.50	190.00	228.00	245.00	272.00	296.00
45.0		79.80	101.00	126.00	154.50	188.00	226.00	243.00	269.00	293.00
50.0		78.40	99.60	124.50	153.00	186.00	224.00	241.00	267.00	291.00
55.0			98.50	123.00	151.50	184.50	222.00	239.00	266.00	290.00
60.0			97.90	122.50	150.50	183.50	221.00	238.00	265.00	289.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m <sup>3</sup> /h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	162
Gross Weight, kg	177
Suction, inch	1 5/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	30.2
Locked Rotor Current, A	125
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
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
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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00