



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	43.20	56.90	74.50	96.10	122.00	151.50	186.00	201.00	224.00	245.00
35.0	39.80	52.40	68.70	89.00	113.00	141.00	173.50	187.50	210.00	230.00
40.0	36.50	47.90	63.10	81.80	104.50	131.00	161.00	174.50	195.50	214.00
45.0	33.20	43.70	57.60	74.90	95.90	120.50	149.00	161.50	181.50	199.50
50.0		39.70	52.40	68.40	87.80	110.50	137.50	149.00	168.00	184.50
55.0			47.60	62.20	80.10	101.50	126.00	137.00	154.50	170.50
60.0			43.40	56.60	73.00	92.60	115.50	125.50	142.00	157.00

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	20.80	23.20	25.60	27.90	29.90	31.50	32.30	32.50	32.40	32.10
35.0	21.90	24.50	27.20	29.90	32.30	34.40	35.90	36.30	36.60	36.60
40.0	23.20	25.90	28.80	31.80	34.60	37.20	39.20	39.90	40.60	41.00
45.0	24.50	27.30	30.40	33.70	36.90	39.90	42.40	43.30	44.40	45.10
50.0		28.70	32.00	35.50	39.00	42.30	45.40	46.50	47.90	49.00
55.0			33.40	37.10	40.80	44.60	48.00	49.30	51.10	52.40
60.0			34.70	38.50	42.50	46.50	50.30	51.80	53.90	55.50

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	55.08	57.79	60.70	63.55	66.08	68.03	69.14	69.29	69.15	68.67
35.0	56.33	59.28	62.56	65.89	69.03	71.71	73.67	74.20	74.66	74.71
40.0	57.82	60.97	64.57	68.35	72.05	75.42	78.19	79.08	80.11	80.67
45.0	59.46	62.76	66.64	70.81	75.04	79.05	82.59	83.81	85.39	86.44
50.0		64.54	68.65	73.18	77.88	82.49	86.75	88.30	90.40	91.92
55.0			70.51	75.35	80.48	85.65	90.59	92.44	95.04	97.00
60.0			72.10	77.21	82.73	88.41	93.98	96.12	99.18	101.57

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	257.00	333.00	428.00	544.00	679.00	833.00	1006.00	1080.00	1198.00	1300.00
35.0	249.00	321.00	414.00	527.00	659.00	810.00	981.00	1054.00	1170.00	1272.00
40.0	240.00	310.00	400.00	510.00	639.00	788.00	955.00	1028.00	1142.00	1243.00
45.0	231.00	298.00	385.00	492.00	619.00	765.00	930.00	1002.00	1115.00	1215.00
50.0		288.00	372.00	476.00	600.00	743.00	906.00	977.00	1089.00	1188.00
55.0			361.00	462.00	583.00	723.00	884.00	954.00	1065.00	1163.00
60.0			354.00	452.00	570.00	708.00	866.00	935.00	1045.00	1143.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	8
Displacement @ 50 Hz, m <sup>3</sup> /h	181
Bore/Stroke, mm	74.7/59.2
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	331
Gross Weight, kg	352
Suction, inch	3 1/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
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	457 x 305 (18)
Sound Pressure @ 1m, dBA	79
Sound Power, dBA	90
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	108
Locked Rotor Current, A	476
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

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

**ACCESSORIES OPTIONAL**

Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 75/50%
Oil Pressure Switch	OPS2 Electronic Switch
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Unloaded start	Available

**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