



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	29.90	37.60	47.60	60.00	74.80	91.90	111.50	120.00	133.50	145.00
35.0	27.60	34.80	44.20	55.90	69.90	86.10	104.50	113.00	125.50	137.00
40.0	25.30	32.00	40.80	51.80	64.90	80.30	98.00	105.50	118.00	128.50
45.0		29.00	37.20	47.50	59.90	74.40	91.10	98.40	110.00	120.50
50.0		25.90	33.50	43.00	54.70	68.30	84.10	91.00	102.00	112.00
55.0			29.50	38.40	49.20	62.00	76.90	83.40	93.90	103.00
60.0			25.20	33.40	43.40	55.40	69.40	75.50	85.40	94.20

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	12.15	13.50	14.80	16.05	17.05	17.80	18.10	18.05	17.85	17.50
35.0	13.15	14.60	16.10	17.55	18.85	19.85	20.50	20.60	20.60	20.50
40.0	14.05	15.60	17.30	18.95	20.50	21.80	22.80	23.00	23.30	23.40
45.0		16.45	18.30	20.20	21.90	23.50	24.80	25.30	25.70	26.00
50.0		17.15	19.10	21.20	23.20	25.10	26.70	27.20	28.00	28.40
55.0			19.70	21.90	24.20	26.30	28.30	29.00	29.90	30.60
60.0			20.00	22.40	24.90	27.30	29.50	30.40	31.50	32.40

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	28.23	29.87	31.60	33.27	34.68	35.68	36.07	36.01	35.68	35.13
35.0	29.48	31.30	33.30	35.30	37.11	38.57	39.49	39.67	39.70	39.48
40.0	30.63	32.65	34.91	37.23	39.43	41.35	42.79	43.20	43.60	43.70
45.0		33.81	36.33	38.97	41.57	43.94	45.91	46.54	47.30	47.72
50.0		34.72	37.49	40.45	43.43	46.25	48.74	49.61	50.72	51.46
55.0			38.30	41.58	44.94	48.21	51.22	52.31	53.78	54.84
60.0			38.68	42.27	46.01	49.73	53.25	54.57	56.40	57.77

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	178.00	220.00	274.00	340.00	417.00	504.00	603.00	645.00	712.00	770.00
35.0	172.50	214.00	267.00	331.00	407.00	494.00	592.00	634.00	700.00	758.00
40.0	166.50	206.00	259.00	322.00	398.00	484.00	581.00	623.00	689.00	747.00
45.0		198.00	249.00	312.00	386.00	472.00	568.00	610.00	676.00	734.00
50.0		187.50	238.00	300.00	373.00	458.00	555.00	596.00	662.00	720.00
55.0			224.00	285.00	358.00	442.00	539.00	580.00	646.00	704.00
60.0			206.00	266.00	339.00	424.00	520.00	562.00	628.00	686.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	760/580
Height, mm	490
Net Weight, kg	246
Gross Weight, kg	262
Rotalock Discharge, inch	1 3/8
Suction, inch	2 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)
Sound Pressure @ 1m, dBA	73
Sound Power, dBA	84
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	63.5
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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