



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 20 K Suction Superheat with add cooling
- 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	15.0
10.0	39.50	51.30	65.70	83.00	103.50	127.50					
15.0	37.40	48.90	62.80	79.40	99.00	122.00	148.50				
20.0	35.20	46.20	59.60	75.50	94.30	116.00	141.50	152.50	170.50		
25.0	32.90	43.40	56.20	71.40	89.30	110.50	134.50	145.00	162.00	177.50	193.50
30.0	30.40	40.50	52.60	67.10	84.10	104.00	127.00	137.00	153.50	168.00	183.50
35.0	27.90	37.50	48.90	62.60	78.70	97.60	119.50	129.00	144.50	158.50	173.00
40.0	25.30	34.30	45.10	58.00	73.10	90.90	111.50	120.50	135.00	148.50	162.50
45.0	22.70	31.10	41.20	53.20	67.40	84.00	103.50	112.00	126.00	138.00	151.50
50.0	20.00	27.90	37.20	48.30	61.50	77.00	95.10	103.00	116.00	127.50	140.00
55.0		24.60	33.20	43.40	55.60	69.90	86.70	94.10	106.00	117.00	128.50
60.0			29.20	38.40	49.50	62.60	78.10	84.90	96.10	106.00	117.00
65.0				33.50	43.40	55.30	69.40	75.70	85.90	95.20	105.00

Cond °C	Power, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	11.85	12.80	13.45	13.70	13.40	12.50					
15.0	12.65	13.90	14.90	15.55	15.70	15.35	14.30				
20.0	13.35	14.90	16.25	17.25	17.85	18.00	17.50	17.10	16.35		
25.0	13.95	15.75	17.40	18.80	19.85	20.40	20.50	20.30	19.90	19.35	18.60
30.0	14.45	16.50	18.45	20.20	21.70	22.70	23.30	23.30	23.30	23.00	22.60
35.0	14.80	17.10	19.35	21.40	23.30	24.80	25.80	26.10	26.40	26.40	26.30
40.0	15.10	17.60	20.10	22.50	24.70	26.70	28.20	28.70	29.30	29.60	29.80
45.0	15.30	18.00	20.70	23.40	26.00	28.40	30.40	31.00	31.90	32.50	33.00
50.0	15.35	18.25	21.20	24.20	27.10	29.80	32.30	33.20	34.40	35.30	36.00
55.0		18.35	21.60	24.80	28.10	31.20	34.00	35.10	36.60	37.70	38.80
60.0			21.80	25.30	28.80	32.30	35.60	36.80	38.60	40.00	41.30
65.0				25.60	29.40	33.20	36.90	38.30	40.40	42.00	43.50

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	15.0
10.0	31.41	31.64	31.57	31.21	30.54	29.57					
15.0	32.14	32.92	33.41	33.59	33.47	33.05	32.33				
20.0	32.70	34.04	35.07	35.81	36.24	36.37	36.20	36.05	35.73		
25.0	33.09	34.98	36.57	37.85	38.84	39.52	39.90	39.97	39.98	39.91	39.77
30.0	33.32	35.75	37.89	39.73	41.27	42.50	43.43	43.72	44.07	44.27	44.40
35.0	33.37	36.36	39.05	41.44	43.53	45.31	46.80	47.31	47.98	48.46	48.87
40.0	33.26	36.80	40.04	42.98	45.62	47.96	49.99	50.72	51.73	52.48	53.16
45.0	32.98	37.07	40.86	44.35	47.54	50.43	53.02	53.97	55.31	56.34	57.29
50.0	32.52	37.17	41.51	45.55	49.29	52.74	55.87	57.05	58.71	60.02	61.25
55.0		37.10	41.99	46.59	50.88	54.87	58.56	59.95	61.95	63.53	65.04
60.0			42.31	47.45	52.30	56.84	61.08	62.69	65.02	66.88	68.66
65.0				48.15	53.55	58.64	63.43	65.27	67.93	70.06	72.12

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	15.0
10.0	199.00	255.00	322.00	401.00	493.00	599.00					
15.0	196.00	252.00	319.00	398.00	489.00	595.00	714.00				
20.0	192.00	248.00	315.00	393.00	484.00	588.00	707.00	759.00	841.00		
25.0	187.00	243.00	309.00	387.00	477.00	580.00	698.00	750.00	831.00	904.00	981.00
30.0	181.00	237.00	303.00	380.00	469.00	571.00	688.00	738.00	819.00	891.00	967.00
35.0	174.50	230.00	295.00	371.00	459.00	560.00	675.00	726.00	806.00	877.00	952.00
40.0	166.50	222.00	286.00	361.00	448.00	547.00	661.00	711.00	790.00	860.00	935.00
45.0	158.00	212.00	276.00	349.00	435.00	533.00	645.00	694.00	772.00	842.00	916.00
50.0	148.50	202.00	264.00	337.00	420.00	517.00	627.00	675.00	752.00	821.00	894.00
55.0		191.00	252.00	322.00	404.00	499.00	607.00	655.00	731.00	799.00	871.00
60.0			238.00	307.00	386.00	479.00	585.00	632.00	707.00	774.00	845.00
65.0				289.00	367.00	457.00	561.00	607.00	681.00	747.00	817.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	760/565
Height, mm	545
Net Weight, kg	252
Gross Weight, kg	268
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	6.8
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	80
Sound Power, dBA	91
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	71.8
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Unloaded start	Available
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch

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