



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	34.30	44.20	56.30	70.70	87.70	107.50					
15.0	32.10	41.60	53.20	67.00	83.30	102.00	124.00				
20.0	29.90	39.00	50.00	63.20	78.70	96.80	118.00	127.00	142.00		
25.0	27.70	36.40	46.80	59.30	74.10	91.40	111.50	120.00	134.50	147.00	160.50
30.0	25.50	33.70	43.60	55.40	69.40	85.80	105.00	113.00	126.50	139.00	151.50
35.0	23.30	31.00	40.30	51.50	64.70	80.20	98.20	106.00	119.00	130.50	143.00
40.0	21.20	28.40	37.10	47.60	60.00	74.50	91.50	99.10	111.00	122.00	134.00
45.0	19.05	25.80	33.90	43.60	55.20	68.90	84.80	91.90	103.50	113.50	124.50
50.0	17.05	23.20	30.70	39.70	50.50	63.20	78.10	84.80	95.50	105.00	115.50
55.0		20.80	27.60	35.90	45.80	57.50	71.40	77.60	87.60	96.70	106.50
60.0			24.60	32.10	41.10	51.90	64.70	70.40	79.70	88.20	97.20
65.0				28.40	36.50	46.30	58.00	63.30	71.90	79.60	88.10

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	9.51	10.35	11.00	11.35	11.35	10.90					
15.0	10.30	11.40	12.30	12.95	13.25	13.20	12.65				
20.0	11.05	12.30	13.45	14.40	15.05	15.35	15.20	15.00	14.55		
25.0	11.70	13.15	14.55	15.75	16.70	17.35	17.55	17.55	17.35	17.05	16.60
30.0	12.30	13.95	15.50	16.95	18.20	19.15	19.75	19.90	19.95	19.85	19.60
35.0	12.80	14.65	16.40	18.10	19.60	20.90	21.80	22.10	22.40	22.50	22.50
40.0	13.30	15.25	17.20	19.10	20.90	22.40	23.70	24.10	24.60	24.90	25.10
45.0	13.70	15.80	17.90	20.00	22.00	23.80	25.40	25.90	26.70	27.20	27.50
50.0	14.05	16.25	18.50	20.80	23.00	25.10	27.00	27.60	28.60	29.20	29.80
55.0		16.65	19.05	21.50	23.90	26.20	28.40	29.20	30.30	31.10	31.90
60.0			19.45	22.00	24.60	27.20	29.60	30.50	31.80	32.80	33.70
65.0				22.50	25.30	28.00	30.70	31.70	33.20	34.30	35.40

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	15.0
10.0	26.11	26.59	26.83	26.85	26.63	26.18					
15.0	27.02	27.91	28.56	28.97	29.16	29.11	28.84				
20.0	27.81	29.09	30.15	30.97	31.56	31.91	32.04	32.02	31.93		
25.0	28.46	30.15	31.60	32.83	33.82	34.58	35.11	35.26	35.41	35.47	35.47
30.0	28.97	31.07	32.93	34.55	35.95	37.11	38.05	38.35	38.75	39.01	39.21
35.0	29.36	31.85	34.11	36.15	37.95	39.51	40.85	41.32	41.95	42.42	42.82
40.0	29.60	32.50	35.17	37.60	39.81	41.78	43.52	44.15	45.02	45.69	46.30
45.0	29.72	33.02	36.09	38.93	41.54	43.91	46.05	46.84	47.96	48.83	49.64
50.0	29.70	33.41	36.88	40.12	43.13	45.91	48.45	49.41	50.77	51.84	52.85
55.0		33.66	37.53	41.18	44.59	47.77	50.72	51.84	53.44	54.71	55.92
60.0			38.05	42.10	45.92	49.50	52.86	54.13	55.98	57.45	58.87
65.0				42.89	47.11	51.10	54.86	56.29	58.38	60.06	61.67

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	173.00	220.00	276.00	342.00	418.00	506.00					
15.0	168.00	215.00	270.00	336.00	411.00	499.00	598.00				
20.0	163.00	209.00	264.00	329.00	404.00	490.00	589.00	631.00	700.00		
25.0	157.50	203.00	258.00	322.00	396.00	481.00	578.00	621.00	689.00	749.00	813.00
30.0	151.50	197.00	251.00	314.00	387.00	471.00	567.00	609.00	676.00	736.00	799.00
35.0	145.50	190.50	243.00	305.00	377.00	460.00	555.00	597.00	663.00	723.00	785.00
40.0	139.00	183.50	235.00	296.00	367.00	449.00	543.00	584.00	650.00	708.00	770.00
45.0	133.00	176.00	227.00	287.00	356.00	437.00	529.00	570.00	635.00	693.00	754.00
50.0	126.50	168.50	218.00	277.00	345.00	424.00	515.00	555.00	619.00	677.00	738.00
55.0		161.00	209.00	266.00	333.00	410.00	500.00	540.00	603.00	660.00	720.00
60.0			201.00	256.00	321.00	397.00	485.00	524.00	586.00	643.00	703.00
65.0				245.00	308.00	383.00	469.00	508.00	569.00	625.00	685.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	760/540
Height, mm	490
Net Weight, kg	224
Gross Weight, kg	240
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	77
Sound Power, dBA	88
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	65.5
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Crankcase Heater	100 W Internal
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
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

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