



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	40.10	50.40	62.90						
15.0	38.10	48.10	60.10	74.30					
20.0	36.00	45.60	57.20	70.90	87.00				
25.0	33.90	43.10	54.20	67.40	82.80	101.00			
30.0	31.70	40.60	51.30	63.90	78.70	95.90	103.50	116.00	126.50
35.0	29.50	38.10	48.20	60.30	74.50	91.00	98.30	110.00	120.50
40.0	27.30	35.50	45.20	56.70	70.20	86.00	93.00	104.00	114.50
45.0	25.10	32.90	42.10	53.10	65.90	80.90	87.60	98.40	108.00
50.0	22.90	30.30	39.10	49.40	61.60	75.90	82.20	92.50	102.00
55.0	20.80	27.80	36.00	45.80	57.30	70.80	76.80	86.60	95.50
60.0	18.65	25.20	33.00	42.10	52.90	65.70	71.40	80.70	89.10
62.0			31.80	40.70	51.20	63.70	69.30	78.40	86.60

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	8.55	8.99	9.22						
15.0	9.37	10.00	10.45	10.65					
20.0	10.15	10.95	11.60	12.10	12.30				
25.0	10.85	11.85	12.70	13.40	13.85	14.05			
30.0	11.50	12.65	13.75	14.65	15.35	15.80	15.90	15.95	15.90
35.0	12.10	13.40	14.70	15.80	16.80	17.50	17.70	17.95	18.05
40.0	12.65	14.15	15.55	16.90	18.10	19.10	19.45	19.85	20.10
45.0	13.15	14.80	16.40	17.95	19.35	20.60	21.00	21.60	22.00
50.0	13.60	15.40	17.15	18.90	20.50	22.00	22.60	23.30	23.90
55.0	14.05	15.95	17.90	19.80	21.70	23.40	24.00	24.90	25.60
60.0	14.45	16.45	18.55	20.60	22.70	24.60	25.40	26.40	27.30
62.0			18.80	21.00	23.10	25.10	25.90	27.00	27.90

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	25.29	25.05	24.80						
15.0	25.35	25.47	25.60	25.60					
20.0	25.57	26.03	26.53	26.92	27.09				
25.0	25.92	26.71	27.56	28.33	28.91	29.15			
30.0	26.37	27.47	28.66	29.80	30.77	31.43	31.57	31.64	31.54
35.0	26.90	28.29	29.80	31.29	32.64	33.70	34.01	34.35	34.47
40.0	27.47	29.14	30.96	32.78	34.49	35.94	36.42	37.00	37.34
45.0	28.06	29.99	32.10	34.24	36.29	38.11	38.75	39.57	40.13
50.0	28.64	30.82	33.19	35.64	38.02	40.20	40.98	42.04	42.80
55.0	29.17	31.58	34.22	36.95	39.64	42.16	43.09	44.37	45.33
60.0	29.63	32.25	35.13	38.14	41.12	43.97	45.04	46.54	47.68
62.0			35.47	38.57	41.68	44.65	45.77	47.35	48.56

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	208.00	257.00	315.00						
15.0	204.00	253.00	311.00	379.00					
20.0	201.00	250.00	307.00	375.00	452.00				
25.0	196.50	246.00	303.00	370.00	447.00	534.00			
30.0	192.00	241.00	298.00	365.00	441.00	528.00	566.00	627.00	681.00
35.0	186.50	236.00	293.00	359.00	435.00	522.00	560.00	620.00	674.00
40.0	181.00	230.00	287.00	353.00	429.00	515.00	552.00	613.00	666.00
45.0	175.00	225.00	281.00	346.00	421.00	507.00	545.00	605.00	658.00
50.0	169.00	218.00	274.00	339.00	414.00	499.00	536.00	596.00	649.00
55.0	162.00	211.00	267.00	332.00	405.00	490.00	527.00	587.00	640.00
60.0	155.00	204.00	260.00	323.00	397.00	481.00	518.00	577.00	631.00
62.0			256.00	320.00	393.00	477.00	514.00	573.00	627.00

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m <sup>3</sup> /h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	740/580
Height, mm	700
Net Weight, kg	261
Gross Weight, kg	277
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	75.5
Sound Power, dBA	86.5
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	62.2
Locked Rotor Current, A	255
Default Enclosure Class	IP 54 (IEC 34)

### ACCESSORIES INCLUDED

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

### ACCESSORIES OPTIONAL

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

### 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