



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 10 K Suction Superheat with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

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	
10.0	40.20	49.90	61.50	75.10	90.90	109.00					
15.0	38.00	47.40	58.50	71.60	86.80	104.50					
20.0	35.70	44.80	55.60	68.10	82.70	99.60	119.00	127.50			
25.0	33.50	42.30	52.60	64.60	78.60	94.80	113.50	121.50	134.50	146.50	
30.0	31.30	39.70	49.60	61.10	74.50	89.90	107.50	115.50	128.00	139.00	
35.0		37.20	46.60	57.60	70.30	85.00	102.00	109.50	121.50	132.00	
40.0			43.60	54.10	66.10	80.10	96.10	103.00	114.50	124.50	
45.0			40.70	50.50	62.00	75.20	90.30	97.00	107.50	117.50	
50.0				47.10	57.80	70.30	84.50	90.80	101.00	110.00	
55.0					53.70	65.30	78.70	84.60	94.10	102.50	
60.0					49.60	60.40	72.90	78.40	87.20	95.10	
62.0					47.90	58.50	70.60	75.90	84.50	92.20	

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	12.35	12.85	13.15	13.10	12.75	11.95				
15.0	12.95	13.70	14.25	14.50	14.45	14.05				
20.0	13.55	14.55	15.35	15.90	16.15	16.10	15.65	15.35		
25.0	14.15	15.35	16.40	17.25	17.80	18.10	18.00	17.90	17.55	17.15
30.0	14.75	16.15	17.40	18.50	19.40	20.00	20.30	20.40	20.30	20.10
35.0		16.90	18.40	19.75	21.00	21.90	22.60	22.70	22.90	22.90
40.0			19.35	21.00	22.40	23.70	24.70	25.10	25.40	25.70
45.0			20.20	22.10	23.80	25.40	26.80	27.30	27.90	28.30
50.0				23.20	25.20	27.10	28.80	29.40	30.20	30.90
55.0					26.40	28.60	30.60	31.40	32.50	33.30
60.0					27.60	30.00	32.40	33.30	34.60	35.60
62.0					28.00	30.60	33.10	34.00	35.40	36.50

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
10.0	26.96	27.69	28.06	27.99	27.40	26.23				
15.0	27.84	28.90	29.66	30.02	29.92	29.29				
20.0	28.72	30.10	31.23	32.02	32.40	32.29	31.62	31.17		
25.0	29.58	31.28	32.77	33.98	34.82	35.23	35.12	34.92	34.42	33.83
30.0	30.41	32.42	34.27	35.88	37.18	38.09	38.54	38.57	38.45	38.18
35.0		33.51	35.70	37.71	39.45	40.86	41.86	42.12	42.36	42.41
40.0			37.07	39.46	41.64	43.54	45.07	45.56	46.16	46.52
45.0			38.37	41.13	43.73	46.10	48.16	48.88	49.83	50.50
50.0				42.70	45.71	48.55	51.12	52.06	53.36	54.33
55.0					47.58	50.87	53.94	55.10	56.74	58.00
60.0					49.31	53.04	56.62	57.98	59.95	61.51
62.0					49.96	53.87	57.64	59.09	61.19	62.87

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
10.0	188.50	235.00	291.00	356.00	434.00	524.00				
15.0	183.50	230.00	285.00	350.00	427.00	517.00				
20.0	178.00	224.00	279.00	343.00	419.00	508.00	612.00	658.00		
25.0	172.50	218.00	272.00	336.00	412.00	500.00	602.00	648.00	722.00	789.00
30.0	166.50	212.00	265.00	329.00	403.00	490.00	592.00	637.00	710.00	777.00
35.0		205.00	258.00	321.00	394.00	480.00	581.00	626.00	698.00	764.00
40.0			251.00	313.00	385.00	470.00	569.00	613.00	685.00	750.00
45.0			243.00	304.00	375.00	459.00	557.00	600.00	671.00	735.00
50.0				295.00	365.00	448.00	544.00	587.00	657.00	720.00
55.0					355.00	436.00	531.00	573.00	642.00	704.00
60.0					344.00	424.00	517.00	558.00	626.00	688.00
62.0					340.00	419.00	511.00	552.00	620.00	681.00

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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
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	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