



Minimum Evaporating Temp. With:	
— 25 °C Suction Gas Return	— 10 K Suction Superheat with add cooling
— 20 K Suction Superheat	
— 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	29.40	36.70	45.40	55.80	67.90	82.10				
15.0	27.50	34.80	43.40	53.60	65.60	79.40				
20.0	25.70	32.90	41.40	51.40	63.10	76.60	92.20	99.10		
25.0	24.00	31.10	39.40	49.10	60.50	73.60	88.70	95.30	106.00	115.50
30.0	22.40	29.30	37.40	46.80	57.70	70.40	85.00	91.40	101.50	111.00
35.0		27.60	35.30	44.40	54.90	67.00	81.00	87.10	96.90	105.50
40.0			33.30	41.90	52.00	63.50	76.80	82.60	92.00	100.50
45.0			31.20	39.40	48.90	59.80	72.40	77.90	86.70	94.60
50.0				36.80	45.70	55.90	67.70	72.90	81.10	88.60
55.0					42.40	51.90	62.80	67.60	75.30	82.20
60.0					39.00	47.70	57.70	62.10	69.20	75.50
62.0					37.60	45.90	55.60	59.80	66.60	72.70

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	9.57	9.87	9.93	9.70	9.15	8.24				
15.0	9.91	10.45	10.80	10.85	10.65	10.10				
20.0	10.25	11.05	11.65	12.00	12.05	11.85	11.30	10.95		
25.0	10.65	11.65	12.45	13.10	13.45	13.55	13.35	13.15	12.75	12.35
30.0	11.05	12.25	13.30	14.15	14.80	15.20	15.30	15.30	15.10	14.85
35.0		12.85	14.05	15.15	16.10	16.75	17.20	17.30	17.30	17.25
40.0			14.85	16.15	17.30	18.25	18.95	19.20	19.40	19.50
45.0			15.55	17.05	18.45	19.65	20.60	21.00	21.40	21.70
50.0				17.90	19.50	20.90	22.20	22.60	23.20	23.60
55.0					20.50	22.10	23.60	24.20	24.90	25.50
60.0					21.30	23.20	24.90	25.60	26.50	27.20
62.0					21.70	23.60	25.40	26.10	27.00	27.80

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	20.11	20.57	20.70	20.42	19.68	18.39				
15.0	20.59	21.34	21.80	21.90	21.59	20.78				
20.0	21.10	22.12	22.89	23.37	23.47	23.13	22.29	21.80		
25.0	21.63	22.90	23.98	24.81	25.32	25.43	25.09	24.82	24.23	23.58
30.0	22.18	23.69	25.06	26.23	27.12	27.68	27.83	27.76	27.50	27.14
35.0		24.46	26.11	27.61	28.88	29.86	30.48	30.61	30.68	30.60
40.0			27.13	28.94	30.57	31.96	33.05	33.38	33.75	33.95
45.0			28.11	30.22	32.20	33.98	35.51	36.04	36.72	37.18
50.0				31.43	33.74	35.92	37.88	38.59	39.56	40.28
55.0					35.20	37.75	40.13	41.02	42.28	43.25
60.0					36.57	39.47	42.26	43.33	44.87	46.08
62.0					37.09	40.13	43.07	44.21	45.86	47.17

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	138.00	172.50	215.00	265.00	324.00	394.00				
15.0	133.00	168.50	211.00	262.00	322.00	393.00				
20.0	128.00	164.50	208.00	259.00	320.00	391.00	474.00	511.00		
25.0	123.50	160.00	204.00	256.00	316.00	388.00	471.00	508.00	569.00	623.00
30.0	119.00	156.00	200.00	252.00	313.00	384.00	467.00	504.00	564.00	619.00
35.0		152.00	196.00	247.00	308.00	379.00	462.00	498.00	558.00	612.00
40.0			191.50	243.00	303.00	373.00	455.00	491.00	550.00	604.00
45.0			187.00	237.00	296.00	365.00	446.00	482.00	540.00	593.00
50.0				231.00	289.00	357.00	436.00	471.00	528.00	580.00
55.0					281.00	346.00	423.00	458.00	514.00	565.00
60.0					271.00	334.00	409.00	442.00	496.00	546.00
62.0					267.00	329.00	402.00	435.00	488.00	537.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	84.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	214
Gross Weight, kg	230
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	52
Locked Rotor Current, A	218
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
Enclosure Class	IP 56
Check Valve	For unloaded start operation
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
Deep Oil Sump	Mounted

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