Daily Amp Worksheet. 1984 Morgan 323

Appliance	Notes	Amps	Hours/day	Amp Hours	Final Answer?
PRESENT					
12V Plug - USB Cell Phone	Belkin charger. 2.4amp @ 5V	1	5	5	No
12V Plug – USB iPad	iPad via USB	.95	4.75	4.5	Yes
12V Plug - VHF Handheld	HX210	1	3	3	Yes
Cabin lights – Main salon	1) 3 Florescent bulbs F13T5WW. 13 watts. 1 amp each. 2) Galley light = .25amp	3.25	6	19.5	Yes
Cabin lights – V-Berth/Head	4 fixtures. 12 bulbs. Type211-12, 41mm LEDs .07amp each	.84	6	5	Yes
Cabin lights – Nav Red	Incandescent 1816 Bulb. Night light.	.35	8	2.8	Yes
Pump – Bilge	Assume 6 min./day max	6	.1	.6	Yes
Pump – Shower	Assume 3 min/day	6	.05	.3	Yes
Pump – Fresh H2O	Assume 10 min/day	4	.16	.64	Yes
Starter – Diesel	Starter = 1000W. 80 amps. Approx. 1 min./day cranking	80	.02	1.6	Yes
Tacktick Hull Transmitter T121	T121 draws max 50mA to keep internal batt charged. If batteries full, no current drawn. (6 hours/day is guesswork)	.05	6	.3	Yes
Tacktick Wireless Interface T122	T122 draws max 50mA to keep…(see above). (6 hours/day is guesswork)	.05	6	.3	Yes
Hull transducers.	T912 and T911 transducers are powered from Hull Transmitter.	0	0	0	Yes
VHF – Standby	Standby = .45amps	.45	12	5.4	Yes
VHF – Receive	.8Amps 6 minutes/day	.8	.1	.08	Yes
VHF - Transmit	5 amp @ Hi 1 amp @ Lo (assume low @ 6 min/day)	1	.1	.1	Yes
Anchor light	10w 0.8 amps	.8	10	8	Yes

Steaming light		25w 2.08	2.08	4	8.3	Yes
Bow light		10w 0.8 amps (1W for future Bi-Color Polar Star 40)	.8	4	3.2	No
Stern light		10w 0.8 amps	.8	4	3.2	No
Spreader lights		BBT Marine Grade 43mm Festoon 12V 360 LED Nav Light Bulb (.2amp each x 2) 10 min/day	.4	.16	.06	Yes
Compass light		Infinitesimal	.02	2	.04	No
Refrigerator		Estimated 5.5amps based on Seafreeze data sheet. Cycles on 50% time over 24 hrs.	5.5	12	66	Yes
Engine Blower			3.1			
FUTURE	Likelihood?					
Chartplotter	A					
AIS Receiver	A					
Secondary bilge pump	A					
Windlass	B	Casey's figures say…	150	.2	30	No
Cabin fan	B					
Exhaust high temp alarm	B					
AIS Trans.	B					
High Water Alarm	B					
Water heater	C					
Radar	C					