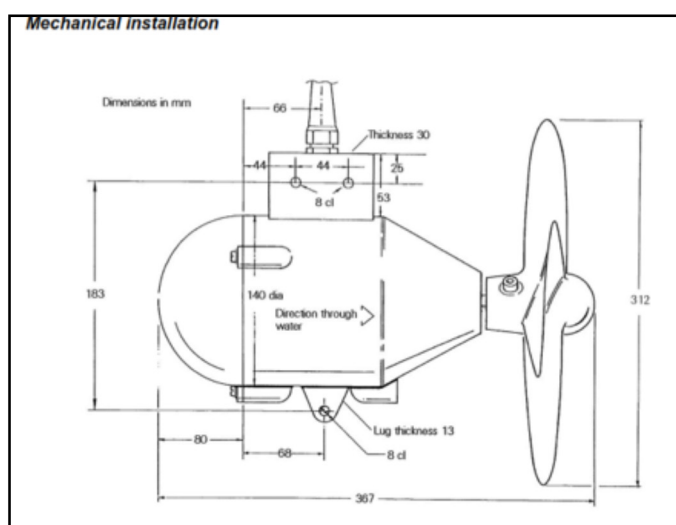


Designed to generate power for charging batteries frequently used on Marine Seismic towed equipment, the Ampair UW100™ manufactured by Seamap is a powerful and efficient solution, providing 100W continuous battery charging power at 8 knots submerged tow speed.

- 12V or 24V version
- 100W at 8 knots (4m/s)
- Two Phase Output
- Start-up speed of 2.9 knots (1.5m/s)
- Propeller diameter 312mm
- Weight 10kg
- Fitted with 4m long marine grade cable, complete with marine seismic standard connector AGM-1104-M
- Additional jumper cables available to suit other connectors and regulators
- Directly compatible with Seamap's Tailbuoy Charging Unit, which has been designed to efficiently optimise the output from the UW100



The Ampair UW100™ underwater generator has been manufactured commercially by Ampair in the UK for 20-years – Seamap acquired the intellectual property and manufacturing rights for the product in February 2015.

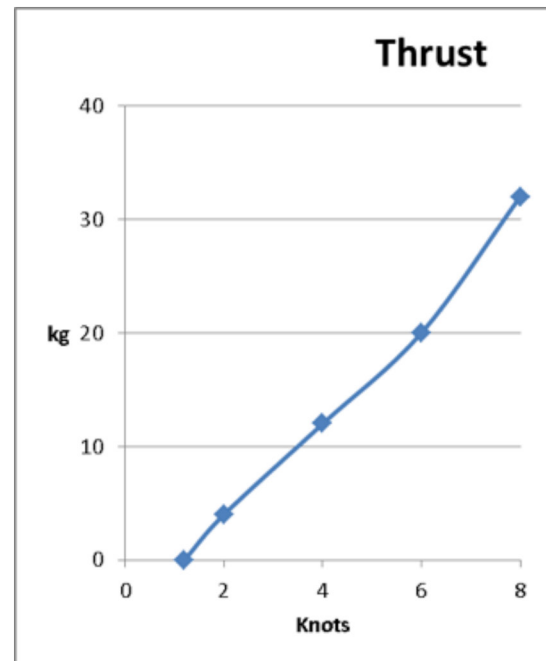
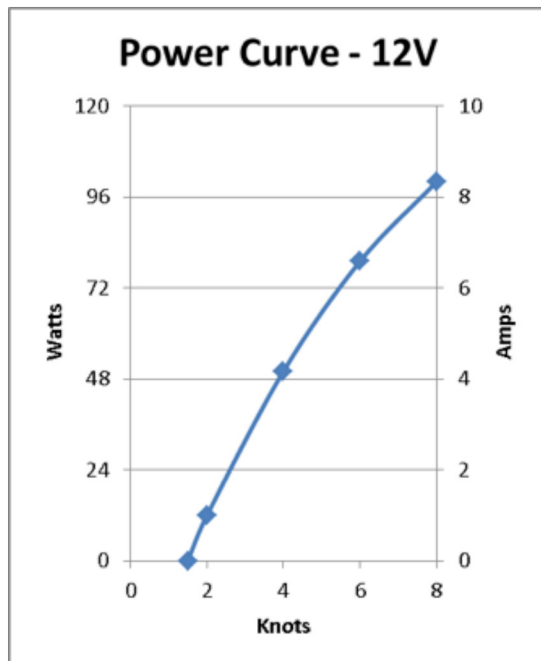
The Ampair UW100™ is a three-bladed turbine intended for use in fast flowing water and is ideally suited to the demands of Marine Seismic Exploration. It generates a maximum power of 100W at 12v or 24v to charge batteries whilst being towed behind the seismic vessel.

The radial flux permanent magnet generator is housed within a pressure compensated oil filled cast aluminum casing. The casing is sealed with dual redundant seals throughout and there are only two transits into the generator section: one for the turbine shaft and one for the electrical cable. The turbine is bi-directional but because of flow obstruction by the body it is most efficient if facing into the water flow.

Part Number	Description	
02-58-0022	Underwater Generator Assy, UW100, 12v, AGM 4-pin Male, 4m cable	A pins 1&2, B pins 3&4
02-58-0024	Underwater Generator Assy, UW100, 12v, AGM 4-pin Male, 4m cable	A pins 1&3, B pins 2&4
02-58-0027	Underwater Generator Assy, UW100, 24v, AGM 4-pin Male, 4m cable	A pins 1&3, B pins 2&4
02-58-0032	Underwater Generator Assy, UW100, 24v, AGM 4-pin Male, 4m cable	A pins 1&2, B pins 3&4

Accessories & Cables	
05-58-0041	Propeller Guard SS316, W01 SP29 / UW 100
17-63-7701	Spare Propeller, CW Standard, Shrouded with bush, W01 SP 24
03-58-0018	Tailbuoy Charging Unit 3G, WG Jumper Cable, 4F-8F
03-58-0038	Tailbuoy Charging Unit 3G, WG Jumper Cable, 4F-8F (Phase X-Over), 0.5m
02-58-3002	Tailbuoy Charging Unit 3G, Power and Data Interface Unit And Regulator
49-00-5492	Sacrificial Anode, 1.6kg, Aluminum, Flush, AM W01 SP31
49-00-0106	Sacrificial Anode, 0.2Kg, Zinc, Ampair AM W01 SP 32

Performance Curves:



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