



aqua watt



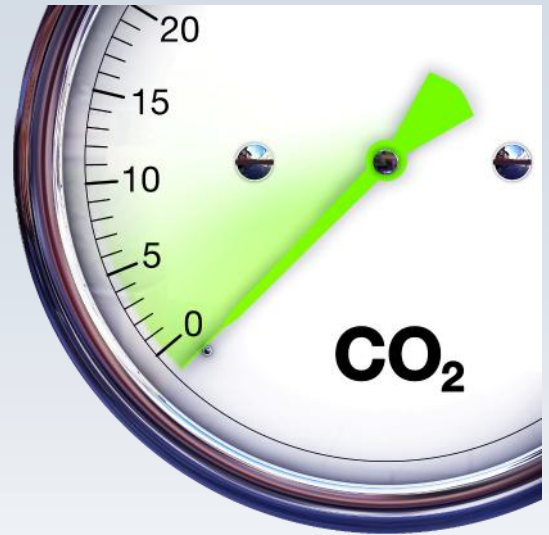
ELECTRIC OUTBOARD ENGINES

1-2011 EN

100% emission free

The advanced *aquawatt* green power electric outboard motor

For commercial and private use in fresh- and salt water.



Green POWER + Green RACING 13 kW or 22 kW

2 types with 13 kW or 22 kW available. Either with tiller or remote steering. Suitable for new AGM- or Lithium batteries. Size, construction and performance similar to a petrol engine with **20 or 30 hp.**



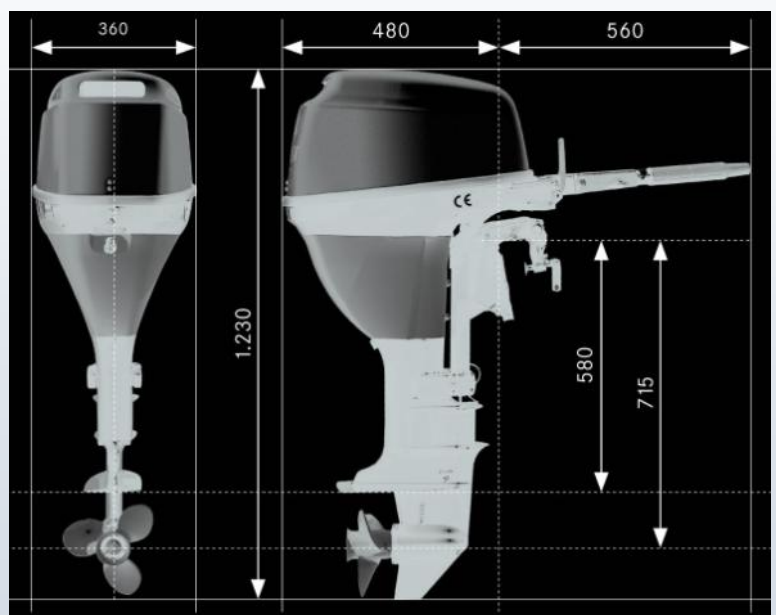
Version with remote steering and throttle.
Suitable for all standard installations.



Version with tiller control, key- and safety switch, LCD display

Can not be compared with conventional electric boat engines

- Much more power and thrust
- Built with sea water resistant aluminium
- Advanced AC electric motor and digital controller
- Suitable for salt water with zinc anode
- For heavy duty due to integrated water cooling
- Large 9,25 inch aluminium or stainless steel prop
- Suitable for standard propellers
- Standard spare parts for pump and anode
- Tilting and trimming
- Suitable for shallow waters
- Connection cable UV resistant, non hydrolyse.



Measurements in mm



Power- Catamaran with double 13 kw outboard



Falcon F 400 RIB with 13 kw engine, LI- batt. 19 knots speed

The advanced aquawatt AC driving system sets new standards for electric boat propulsion



Green POWER The universal power system for heavier hulls and hydro planing. Power output 10 kw with the use of AGM batteries. With 50 volts lithium batteries the power output increases to 13 kw. The sensor driven controller assures an optimized thrust for a heavy fishing boat as well as for a high speed hull. This engine pushes a 900 kg fishing boat to over 10 knots or a light dinghy to over 20 knots.



Green RACING An unique outboard motor for higher speeds for light hulls and cats. Power supply with lithium batteries. Not suitable for heavy hulls. The world's most powerfull electric outboard motor with exceptional performance. 22 kW power output (30 hp)!

Technical data

	Green POWER	Green RACING
Transom height	20 inch	20 inch
Nominal voltage	48/50 volts	80 volts
Battery current AGM / LI max.	240/ 300 Amp	X / 300 Amp
Output AGM / LI Batterie	10 / 13 kw	X / 22 kw
Battery system	48v AGM / 52v lithium	80v lithium
Plug	SBE 320	SBE 320
Cable steering for remote version	C2	C2
Weight	57 Kg	F
Propeller	3 - 9,25 x 7 to 8	3—9,25 x 7 to 8
Propeller rotation	0—3250	0—3550
Thrust with standard prop (alu)	112 da N /135 da N	F
Thrust with thrust prop	123 da N /148 da N	F
Maximum speed	22 Knoten	F

F : to follow. (Available from may 2011)



Multi functional display

aquawatt electric outboard engines are equipped with a perfect information system. The LCD–display indicates the rpm of the electric motor, the battery voltage, the operation hours, the motor current and the battery current.

Additionally the charging state of the battery is shown in percentage and a graphical display.

Low battery and high temperature release an alarm light.

Error messages are indicated by an error code.



Safety

- Nominal low voltage under 100 v.
- Safety switch with engine stop
- Key switch
- No start with gear shifted



Battery system

The aquawatt electric outboard engines can be operated with various battery systems.

The POWER model can be equipped with lead acid batteries (48 volts) or lithium batteries (51.2 volts). This results in a power output from 10 kw to 13 kw.

The RACING model requires a 80 volts lithium battery.

More information is available from the documentation „batteries and chargers“.



Advantages



Many boats are already equipped with remote steering for petrol outboard engines. The aquawatt engine has corresponding connections which guarantee a smooth and quick installation. It is even possible to operate the boat with a petrol- and a electric outboard motor.

DRIVE GREEN



aquawatt engines

assure clean and quiet operation. You can drive your recreational boat to the nicest places with peace of conscience. There are more and more legal limitations for petrol engines, which does not apply to the aquawatt skipper.

These green engines are a essential tool for fish farming, shell fishing or observation in sensitive areas. Built since 2009 the reliable aquawatt engines are used from the cold Norwegian waters to the Australian coast.

The use of a solar charging system allows a fully independent operation from any power source and makes this advanced and unique system a sustainable investment in the future of powered boating.

aquawatt engines comply with high European standards.



Developed and manufactured in Austria.





Development, manufacturing, distribution world wide

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