

aqua watt



ELECTRIC OUTBOARD ENGINES

Brochure 1-2012 (EN)

CE

Aquawatt manufactures the world's most powerful electric outboard engines

Green Power 50V 13KW = Real 18 HP

The universal power system for hydro planing and heavier hulls upto 2 tonnes. Power output 10 KW with lead acid batteries and 13 KW with the aquawatt 50 V lithium battery packs.



Green Racing 80V 22KW = Real 30 HP

A unique and light system for light and fast boats upto 600 kg. Can only be used with 80 V aquawatt lithium batteries.

Green Force 50V 8KW = Real 11 HP

Very quiet, almost silent. For applications where high thrust is required at low speeds. Ideal for commercial fishing, small cruise boats and ferries.



The Big Green Thruster 80 V 20kW = Real 28 HP

The high power system with very high thrust for hydroplanes upto 800 kg, displacement hulls upto 10 tons, pontoon boats, house boats, ferries.

Large 12 inch propeller

Advanced electric outboard engines for commercial and recreational boats

Can not be compared with conventional electric boat engines

Much more power output and thrust

Build with seawater resistant aluminium

Highly efficient watercooled AC induction motor

Suitable for saltwater with zincanode

Standard spare parts for waterpump, propeller and anodes

Cables UV and hydrolysis resistant

The aquawatt induction motor technology allows unusual high speeds

Green Power AB 13 R and T

Versions: Type T with tiller, Type R for remote use

Transom height	20 inch
Nominal voltage	48/51 volts
Current max. AGM / Lithium	240/ 300 Amp
Power output AGM / LI Battery	10/ 13 KW
Battery system	48V AGM / 51V Li Ion
Plug connection type	SBE 320
Cabletype for remote installation	C2
Weight	52 Kg
Propeller size	9,25 bis 10 Zoll
Thrust with standard propeller	112 da N /135 da N
Thrust with thrust propeller	123 da N / 148 da N
Maximum speed	23 Knots
Range of use	Lakes, coast, rivers - suitable for salt water use



Green Racing AB 22 R and T

Versions: Type T tiller, Type R for remote use

Transom height	20 Inch
Nominal voltage	80 Volts
Current max.	320 Amp
Power output	22 KW
Battery system	80 V Lithium
Plug connection type	SBE 320
Cabletype for remote installation	C2
Weight	63 Kg
Propeller size	9,25 Inch
Thrust with standard propeller	150 da N
Thrust with thrust propeller	X
Maximum speed	26 Knots
Range of use	Lakes, coast, rivers - suitable for salt water use



Green Force AB 20 R and T

Versions: Type R for remote use, Typ P for remote use

Transom height	20 Inch
Nominal voltage	48/50 Volts
Current max. AGM / Lithium	190 Amp
Power output max. 8 KW, can also be supplied with 3.6 KW, 4.3 KW and 6 KW	
Batterysystem	Lithium or AGM
Plug connection type	SBE 320
Cabletype for remote installation	X (electric)
Weight	66 Kg
Propeller size	11, 12 or 13 inch
Thrust with standard propeller	135 da N
Maximum speed	8 Knots
Range of use	Lakes, coast, rivers - suitable for salt water use



The Big Green Thruster AB 20 R

Type R for remote use,
Typ T for tiller use only as custom build

Transom height	20 Inch
Nominal voltage	80 Volt
Current max.	300 Amp
Power output	20 kW
Batterysystem	Lithium, AGM for displacement hulls
Plug connection type	SBE 320
Cabletype for remote installation	C2
Weight	94 Kg
Propeller size	Upto 12 Inch
Thrust with standard propeller	250 da N
Thrust with thrust propeller	300 da N
Maximum speed	22 Knots
Range of use	Lakes, coast, rivers - suitable for salt water use



Multi functional monitor system

All 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.

Standard outboard trim, position fixing with locking pomg , galvanic corrosion protection with aluminium or zinq anodes.

For your safety

- ◆ Voltage below 120 Volts DC.
- ◆ Safety switch with engine stop
- ◆ Can only be started with key
- ◆ No start with gear shifted

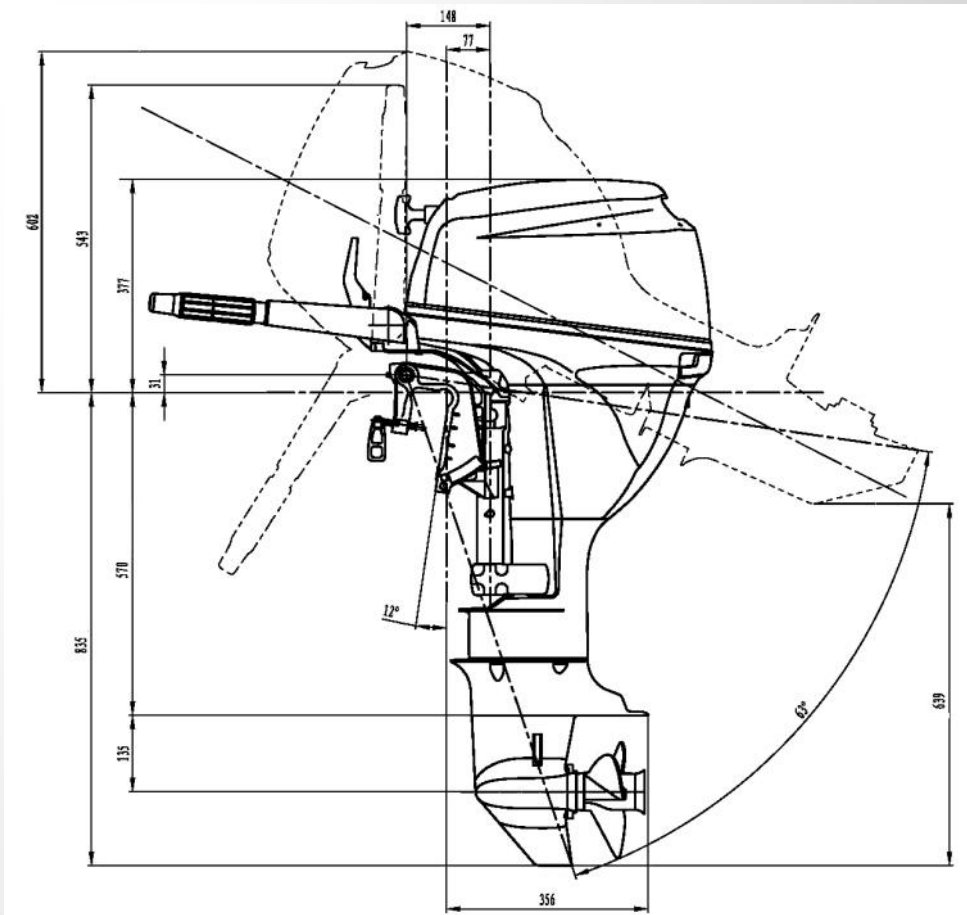


Aquawatt offers the suitable battery system

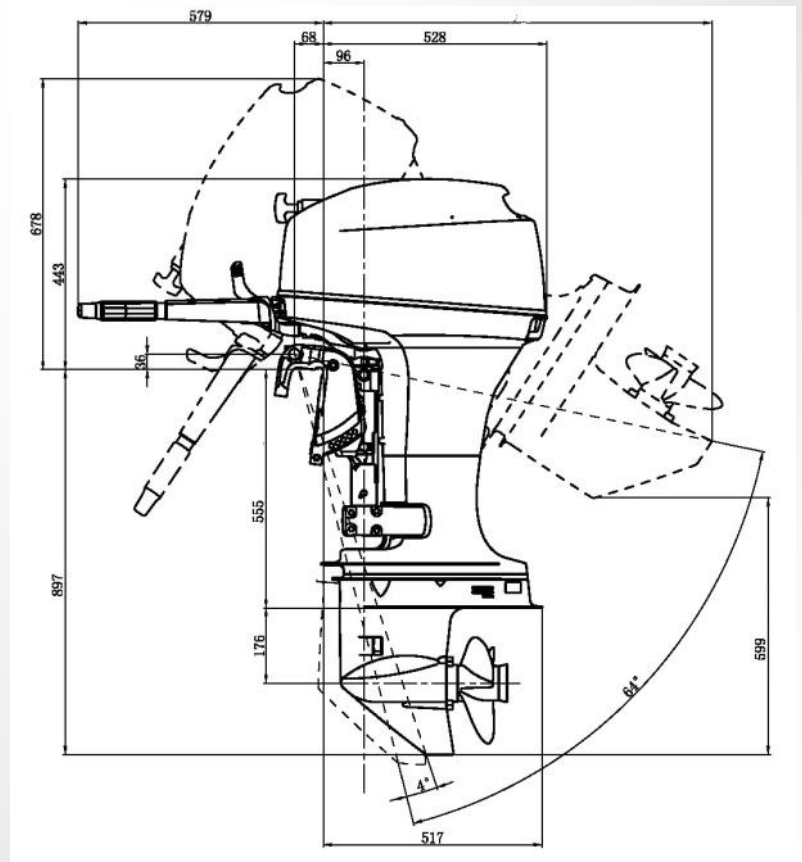
The aquawatt electric outboard engines can be operated with various battery systems. More information is available from the documentation „batteries and chargers“.



Green Power and Green Racing



Green Thruster



Green Force



All dimensions in mm

Exceptional 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.

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.



Development, manufacturing and sales world wide



aquawatt Mechatronik und Yachtbau

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