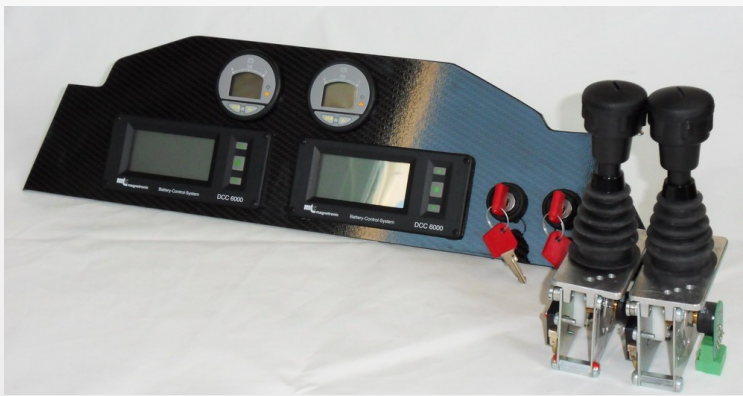




aqua watt
drive green

Advanced inboard electric propulsion systems with AC motors and digital motor controllers



Aquawatt offers one of the world's most unique high powered electric marine propulsion systems for recreational boats to date. Instead of petrol smell or loud noise a high tech AC motor provides clean power with almost no maintenance and full thrust at all rotation speeds.



If you are looking for a real sustainable investment, this is the solution for any motor- or sailing boat. The huge advantage compared to a petrol or diesel engine is the high torque at all speeds and the variability of your power source. Traditional lead acid batteries, advanced lithium batteries, solar panels or even a gas- or diesel generator. Your boat can be adapted to any new technology without the need of changing the main propulsion system. This system will still be state of the art in ten or fifteen years!

Did you know? The world's largest new cruise ships are equipped with electric engines!

The installation of any inboard motor system should be planned and executed by a boat builder. If this knowledge is not available, we recommend the use of our powerful outboard motors which can easily replace any petrol outboard engine. These high quality systems are produced individually. An option with two motors mounted in series for double power is possible as well as other tailor made adaptations for special requirements.

The distance of the mounting rails is 550 – 600 mm for all engines.



aqua watt standard engines

IEC 160 48 V 10 kW (13,6 hp)

AC 3 phase aluminium motor IEC size 160,
air cooled with electric blower

AC digital controller 48 V / 550 A,
air or water cooled

Voltage supply: 48 V DC

Power: 10 kW / 1000 rpm

Weight: 80 kg (motor) 8 kg (controller)

Torque nominal: 95 Nm, axle: 30 mm

Recommended propeller: 13-16'

Especially developed for SOLAR WAVE solar
catamaran round the world tour.

Highest efficiency at 2 kW

Perfect for cats up to 15 m / 7-9 knts

Price range from Euro 6.346.- excluding VAT



IEC 132 96 V 15—25 kW (34 hp)

AC 3 phase aluminium motor IEC size 132,
air cooled with external electric blower

AC digital controller 96 V / 550 A,
air or water cooled

Voltage supply: 96 V DC

Power: Continuous 15 kW / 2000 rpm

Maximal 24 kW / 2500 rpm 30 minutes

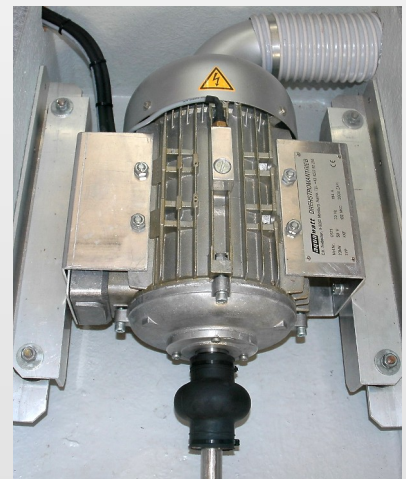
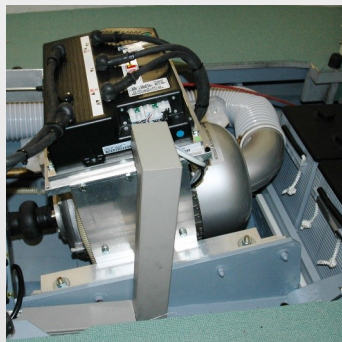
Weight: 50 kg (motor) 8 kg (controller)

Torque nominal: 75 Nm, axle: 30 mm

Recommended propeller: 12-14'

Perfect all round engine

Price range from Euro 6.136.- excluding VAT



Water cooled 96 V 25-30 kW (34 hp)

AC 3 phase aluminium motor / generator, water cooled with external
electric pump

AC digital controller 96 V / 550 A, water cooled

Voltage supply: 96 V DC

Power: Continuous 25 kW / 2000 rpm

Maximal 30 kW / 2500 rpm 30 minutes

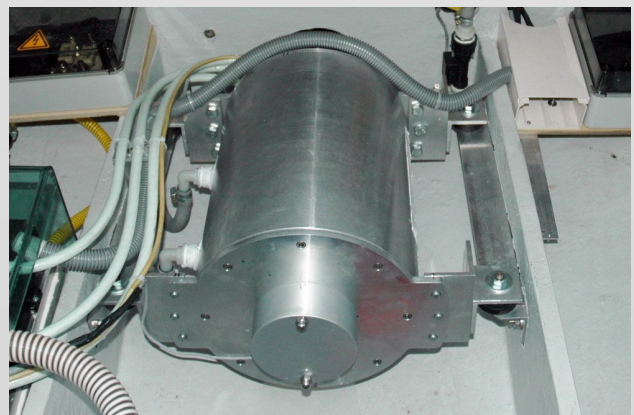
Weight: 65 kg (motor) 8 kg (controller)

Torque nominal: 120 Nm, axle: 30 mm

Recommended propeller: 12-14'

Perfect as motor and generator in hybrid systems

Price range from Euro 7.580.- excluding VAT



aqua watt specials :

These advanced engines and the controllers have been specially designed and produced for the aquawatt boat propulsion systems. Each motor is fully enclosed.

The performance curve of the aquawatt engines is almost linear to the rotation speed on a wide range. A petrol or diesel engine rarely runs at its best working speed and needs a variable gear box to adapt at least some of these losses. The AC motor does neither need a speed box nor a dedicated rotation speed to run at the most efficient point of operation.

The full torque is available at all speeds. When more thrust is needed at lower speeds the motor controller sensors this and increases the power output. If more speed is possible at the throttle position chosen, the controller optimizes the power output to get to that speed.



aquawatt electric engines are equipped with a motor data 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.

aquawatt delivers standard and special propellers, all propeller shaft assemblies like stern tubes made of bronze or fiberglass, shaft struts, bearings and seals.



aquawatt engines comply with high European standards

All information subject to change without prior notice.



Development, manufacturing, distribution
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