

INNOVATION IN GREEN TECHNOLOGY

A PEACEFUL DREAM ON WATER

How relaxing. A moment away from the hectic world. Leaving your daily routine behind and escaping to the water. Nothing but the soothing sound of water and the aroma of freshly cut grass.

For more than 70 years, Creusen marine has been making that dream a reality for your clients. Our experience in direct current (DC) technology has allowed us to create a true Dutch innovation: electric technology that allows your boat to quietly glide through the water. We strive to build a clean, safe and sustainable world.

- Our motors are welcome in every canal city and town in Europe, as they comply with the European regulations on CO2-emission reduction within city limits.

- All services in one location: receive a consultation on your entire propulsion and energy systems. We are your one stop shop for sustainable propulsion.
- Would you like to integrate an electric propulsion system into your boat? We will help you find a partner from our extensive network.
- We are available to answer your questions. You can always find a service point nearby.

Having us as a partner gives you full access to cutting-edge innovation in the field of electric propulsion.

Over 70 years
of sustainability

Colofon

Text Whiteside Online Marketing - www.whiteside.nl

Design Sonja Lynch - www.mevrouwlynch.nl

Visuals Creusen Marine, Axle Media

www.creusen.nl/marine



OUR QUIET ENGINES

Energy efficient through innovation

Creusen electric motors are energy efficient. Even compared with other electric motors, we are more economical. This is made possible through a number of distinctive innovations:

- Our motor consumes less energy by keeping a lower temperature. Therefore, your boat has a greater range: you can cruise longer without a battery recharge, compared to other electric motors.
- The motor has an aqua-dynamic design which allows your boat to move like a fish in the water. The dynamic design takes you forward faster with a lower energy consumption.



What does this mean on the water? It means you can sail for a good 4 to 8 hours (depending on the battery). If you operate the engine efficiently, the running time can be extended even further.

Type	Propulsion Outboard Drive (POD)	Propulsion Outboard Drive (POD)	Propulsion Outboard Drive (POD)	Inboard motor, water cooled	Inboard motor, water cooled
Size	50	71	90	71	90
Revolutions per minute	1.500 RPM	1.500 RPM	1.500 RPM	1.500 RPM	1.500 RPM
Power range	2 kW (2,7 hp)	3,5 kW (4,8 hp) 5 kW (6,8 hp) 7,5 kW (10,2 hp)	10 kW (13,6 hp)	5 kW (6,8 hp) 7,5 kW (10,2 hp)	10 kW (13,6 hp)
Voltage	48 VDC	48 VDC	48 VDC	48 VDC	48 VDC



OUR SUSTAINABLE ENGINES

Lean on our expertise

We do not include a standard battery and charger, in order to allow you to choose a power source that meets your requirements for performance and price. After all, we know that barges for private leisurely use have specifications other than those of a boat that quickly needs to cross a busy waterway. This way, you can always opt for the latest innovation in battery technology. We provide you with practical advice on the best power source for your situation. The end result is a complete propulsion system including the battery.



Complete propulsion system and comprehensive advice

The system consists of:

- + motor and propeller
- + motor controller and control box
- + throttle or other operating system
- + ignition slot
- + battery power indicator or colour display
- + main power switch
- + required electric cables
- + assembling tools
- + anode kit
- + cavitation plate





CUSTOMIZE YOUR ELECTRIC PROPULSION

At Creusen we advocate green, energy-efficient technology. We want everyone to embrace electric sailing. Irrespective of boat size. That is why our engineers develop customized engines for you, even outside of our standard range. On request we also supply electric motors up to 60 kW.

Engine customization

Are you in need of an engine more powerful than what can be found in our standard range? If so, we will first look at your situation. We examine your requirements and explore what kind of engine best matches your needs. Then we develop an engine that is tailored to your specifications. Just as efficient and compact as our 'smaller' engines. And, naturally, just as environmentally friendly.

Compliance with government requirements

Want an electric boat? New government regulations have increased the number of places where you may only sail on electrically powered vessels. Do you want to be certain that you can go anywhere with your boat? Our engines comply fully with the new legislative requirements. We also offer personalized advice.

Partners

We believe in long-term cooperation, and that only through cooperation the world can be made cleaner and more sustainable. Therefore, we collaborated with several leading European companies on the development of multiple components of our electric engine. We do this to provide the necessary motor controller and batteries.

All energy sources come with a 2 year warranty.

WITH YOUR CUSTOMERS ON THE CANALS

So compact

The newest DC motors are characterized by a modern design and compact construction. The motor is easy to integrate as an electric propulsion for your boat.



So flexible

Do you want a customized design for a motor casing? Our patented waterproof tubular motor provides such an opportunity. We will collaborate with you on designing a motor casing that meets your needs. Our technical specialists are ready to assist you!





CREUSEN:
**YOUR PARTNER
IN SUSTAINABLE
TECHNOLOGY**

For Creusen, sustainability is not a buzzword. For over 70 years we have been building sustainable electric motors. In 1971, we made our first ever electric delivery truck. We are also active in the marine market.



Our engines are everywhere. For example, in commercial sailing - think of the tour boats in the canals of Amsterdam. And that is not all. You can also find us on private boats, and even in industrial machinery.

Our motto: keep innovating for a cleaner environment

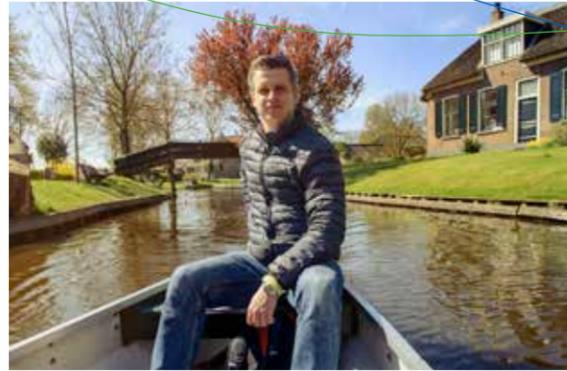
Creusen electric engines are developed in Roermond, where our innovators in mechatronics (mechanics, electronics and computer science) are located. Our engineers work daily on possible innovations and mechatronic applications. At Creusen we continually look for ways to develop an even more effective, efficient and durable engine. We are committed to high quality and a better environment. For us and for you.

OUR ENGINES

ARE QUIETLY EVERYWHERE

Creusen electric engines are all over

Beneath the surface of Den Bosch, boats sail through corridors and tunnels. All this while directly above, the unsuspecting crowd is shopping and running errands. The voice of the tour guide explaining the history of the city is easily heard in the quiet of the tunnels. Our engine technology makes it possible.



The Venice of the Netherlands, better known as Giethoorn, offers tours on what we know as 'whisper boats' – electric boats propelled by our engines.

When in Amsterdam, Ghent, Berlin or Bruges you see canal boats silently going on city tours, you may be certain they are using Creusen engines.



Request a quote or more information

- Would you like to know what kind of engine you should use?
- Curious about the cost of complete electric propulsion?
- Want to know more about our products?
- Would you like to request a quote?

Send us an email to info@creusen.nl and we will get in touch with you.

www.creusen.nl/marine

Creusen

Marine

www.creusen.nl/marine

