



English

## Catalogue

Electric propulsion systems for leisure,  
commercial and subsea applications.



**FORGET**  
EXHAUST GASSES,  
VIBRATIONS AND NOISE

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Andelst, The Netherlands

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# Our mission

Our mission is to convince customers. Convince them that our motors work for many hours with a service intervals and the highest user experience. If we succeed with this mission, we will advance on our vision of a better eco-friendly future.

## Purpose

Our purpose is to help as many people and companies as possible with the transition to electric boating.

## Quality control

In order to guarantee the quality of our products, our production is located in the Netherlands. Not only is the production quality higher here, the monitoring of the quality is also a lot easier.

## Accessories

We want to support our customers from start to finish. To realize this, we offer a wide range of accessories which increases the user friendliness of our motors. To provide the best customer experience, our accessories work efficiently with all our rim drive products.

## Worldwide

We are operating in more and more markets in different countries. We are proud that our motors continue to be part of countless projects and applications around the world.

## Sustainable

Our organization actively contributes to a sustainable world by developing innovative solutions for environmental challenges.

### Did you know?

- A Rim Drive contains no oils and sealings.
- Rim Drive motors were founded in 1929.
- Our systems are also compatible with most other marine brands.
- We are a CO2 neutral company due to compensation via [treesforefree.nl](https://treesforefree.nl)
- We design and develop all parts in the Netherlands.
- A Rim Drive accelerates within 1.5 seconds from zero to full RPM.





# A Revolution in Propulsion

A Rim Drive contains its electric winding in the outer (stator) housing. This housing is casted to avoid any use of sealings. The inner housing which contains the magnetics is also potted to avoid any internal corrosion. The bearing system is water lubricated and will last for thousands of hours by normal use.

The combination of the inlet ring, outlet ring and propeller makes it the most efficient way of propulsion. Each part has been simulated via CFD analysis and intensively tested in real circumstances.

## Why a Rim Drive?

- The POD 3.0, 5.0 and 11.0 can be switched easily due to the same mounting pattern.
- Rim Drive 30.0 and 50.0 have the same dimensions.
- Clockwise, counter clockwise and symmetric directions are available for every motor.
- All our products are saltwater resistant to ensure ease of installation for every boat.
- Rim Drives are available in POD, steerable POD, outboard and bow thruster.
- Rim Drive motors are sold in many other countries through our distributors.



An **immediate** acceleration response in comparison with conventional solutions.

A **compact** and **lightweight** design makes our products compatible for the smallest installation.

Because of the **stepless** controlling our rim drive motors can be operated proportionally.

No center shaft **limits** the chance that ropes, or fishing nets will get stuck in the propeller.

Only one rotating part which **reduce** the amount of maintenance.



# Propulsion

## POD

The better alternative for an inboard motor



## Steerable PODs

320 degrees propulsive power for ultimate maneuverability

1

**Entry level -  
Steerable POD**



2

**Steerable POD**



## Outboards

Different outboard solutions for your application

1

**Entry level -  
outboard**



2

**Steerable  
outboard**



# Bow thrusters

## Standard thruster

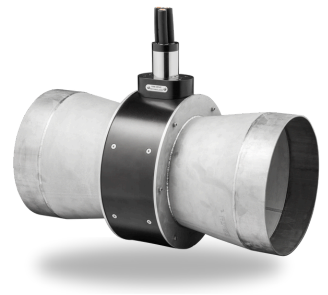
The best solution for continuous running times



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## Thruster tunnel set

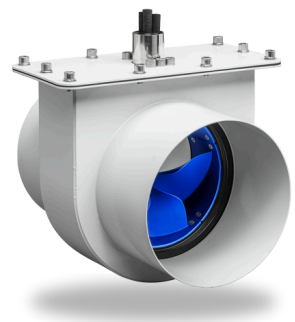
A strong stainless steel provides a robust solution for bow thrusters



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## Bow thruster box

The bow thruster box makes it easy to access the motor





# POD

The better alternative for an inboard motor

## Characteristics



Electric propulsion



Minimized components



Low in maintenance



One day installation



Keyswitch included



Electric or hybrid

## Integration



New build or refit



Custom made projects



## Specs

|                       | POD 0.5 | POD 3    | POD 5    | POD 8 | POD 11 |
|-----------------------|---------|----------|----------|-------|--------|
| Power (kW)*           | 0.5     | 3.0      | 5.0      | 8.0   | 11.0   |
| Nominal voltage (V)   | 48      | 24 or 48 | 24 or 48 | 48    | 48     |
| Weight (kg)           | 2.5     | 3.5      | 5        | 14    | 14     |
| Static thrust (kgf)** | 7       | 31       | 62       | 120   | 156    |
| Salt water resistant  | Yes     | Yes      | Yes      | Yes   | Yes    |
| Controller included   | Yes     | Yes      | Yes      | Yes   | Yes    |

\*Motor power is depending on water conditions, usage and installation.

\*\*Will be less for 24V installations.



# Simplified but better

A Rim Drive motor is the most simplified motor design which is ever made. But don't confuse simplified with less powerful.

Forget all internal components which are needed for a classic inboard motor!

After finalizing the production process a Rim Drive POD motor is consisting out of only eight parts without any sealing needed.

The newest POD range motors are the most efficient and powerful solution for your medium speed application.

Choose a Rim Drive motor and use the additional space for more batteries to easily realize an 8-hour run time capability.

This is limiting the amount of service even further than any other electric motor.

## Most efficient propulsion at cruise speed

97% of the applications doesn't require high speed capabilities. In general high efficiency is needed at cruise speed to guarantee a full-day of pleasure. Up to medium speeds a rim drive is the most efficient propulsion solution available in the market.

### POD 5.0

4.0 km/h – 6:00 hr.

7.0 km/h – 4:00 hr.

10.0 km/h – 2:00 hr.

\*1x 10kWh RDT battery.

### POD 8.0

4.0 km/h – 6:00 hr.

7.0 km/h – 4:00 hr.

12.0 km/h – 2:00 hr.

\*1x 10kWh RDT battery.

### POD 11.0

5.0 km/h – 6:00 hr.

9.0 km/h – 4:00 hr.

13.0 km/h – 2:00 hr.

\*2x 10kWh RDT battery.

### POD 15.0

5.0 km/h – 6:00 hr.

9.0 km/h – 4:00 hr.

15.0 km/h – 2:00 hr.

\*2x 10kWh RDT battery.

\*Tested on a 8 meter, 2500kg sloop. For more reference project please contact [sales@rimdrivetechology.nl](mailto:sales@rimdrivetechology.nl)

| POD 15 | POD 25 | POD 30 | POD 50    |
|--------|--------|--------|-----------|
| 15.0   | 25.0   | 30.0   | 50.0      |
| 48     | 96     | 110    | 400 – 550 |
| 22     | 70     | 70     | 75        |
| 195    | 350    | 400    | 750       |
| Yes    | Yes    | Yes    | Yes       |
| Yes    | Yes    | Yes    | No        |



# Entry level – Steerable POD

Maneuverability combined with unique rim drive motors

## Characteristics



Electric propulsion



Minimized components



Low in maintenance



One day installation

## Integration



New build or retrofit



Custom made projects



## Specs

|                          | EL. Steerable<br>POD 3 | EL. Steerable<br>POD 5 | EL. Steerable<br>POD 8 | EL. Steerable<br>POD 11 | EL. Steerable<br>POD 15 |
|--------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
| Power (kW)*              | 3.0                    | 5.0                    | 8.0                    | 11.0                    | 15.0                    |
| Nominal voltage (V)      | 24 or 48               | 24 or 48               | 48                     | 48                      | 48                      |
| Weight (kg)              | T.B.D.                 | T.B.D.                 | T.B.D.                 | T.B.D.                  | T.B.D.                  |
| Static thrust<br>(kgf)** | 31                     | 62                     | 120                    | 156                     | 195                     |
| Salt water resistant     | Yes                    | Yes                    | Yes                    | Yes                     | Yes                     |
| Controller included      | Yes                    | Yes                    | Yes                    | Yes                     | Yes                     |

\*Motor power is depending on water conditions, usage and installation.

\*\*Will be less for 24V installations.

# Integration

## Refit

- Interface standard compatible with industry standard steering cylinders and steering cables.

## New installations

- Interface standard compatible with industry standard steering cylinders and steering cables.

## Drop in replacement



You replace the rudder and sealing, install the motor through it and then secure the rudder arm. It can be connected to the current steering system.

| EL. Steerable<br>POD 25 | EL. Steerable<br>POD 30 | EL. Steerable<br>POD 50 |
|-------------------------|-------------------------|-------------------------|
| 25.0                    | 30.0                    | 50.0                    |
| 96                      | 110                     | 400-550                 |
| T.B.D.                  | T.B.D.                  | T.B.D.                  |
| 350                     | 400                     | 750                     |
| Yes                     | Yes                     | Yes                     |
| Yes                     | Yes                     | No                      |



# Steerable POD

Zero turn steering for ultimate maneuverability

## Characteristics



Electric propulsion



Minimized components



Low in maintenance



One day installation



Joystick, steering wheel or CAN



Electric or hybrid

## Integration



New build or refit



Custom made projects



## Specs

|                       | Steerable<br>POD 3 | Steerable<br>POD 5 | Steerable<br>POD 8 | Steerable<br>POD 11 | Steerable<br>POD 15 |
|-----------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Power (kW)*           | 3.0                | 5.0                | 8.0                | 11.0                | 15.0                |
| Nominal voltage (V)   | 24 or 48           | 24 or 48           | 48                 | 48                  | 48                  |
| Weight (kg)           | 21.5               | 23                 | 32                 | 32                  | 37                  |
| Static thrust (kgf)** | 31                 | 62                 | 120                | 156                 | 195                 |
| Salt water resistant  | Yes                | Yes                | Yes                | Yes                 | Yes                 |
| Controller included   | Yes                | Yes                | Yes                | Yes                 | Yes                 |

\*Motor power is depending on water conditions, usage and installation.

\*\*Will be less for 24V installations.

# Steering types

## Joystick



With a joystick steering system, you can effortlessly and intuitively control your boat by simply moving the joystick in the desired direction. It provides precise maneuverability and allows easy turning.

## CAN (digital)



The boat control is electronically managed through a Controller Area Network system. This advanced system utilizes digital signals to optimize engine control and steering behavior, resulting in accurate, responsive, and reliable boat steering.

## Steering wheel



With a steering wheel control, you have a familiar and traditional way of steering your boat. The steering wheel offers a comfortable grip and makes it easy to adjust the boat's course with smooth and precise steering input.

## The next evolution in boat control



### Zero turn

The steerable POD offers unparalleled manoeuvrability and control, making navigating tight spaces and challenging water conditions effortless.

| Steerable<br>POD 25 | Steerable<br>POD 30 | Steerable<br>POD 50 |
|---------------------|---------------------|---------------------|
| 25.0                | 30.0                | 50.0                |
| 96                  | 110                 | 400-550             |
| 110                 | 110                 | 110                 |
| 350                 | 400                 | 750                 |
| Yes                 | Yes                 | Yes                 |
| Yes                 | Yes                 | No                  |



# Entry level – outboard

The perfect solution for operators who are looking for an affordable system

## Characteristics



Electric propulsion



Integrated trim  
Optional: electric trim



Low in maintenance



Integrated tilt  
Optional: electric tilt



## Integration



New build or retrofit



Custom made projects

## Specs

|                      | EL. Outboard 3 | EL. Outboard 5 | EL. Outboard 8 | EL. Outboard 11 | EL. Outboard 15 |
|----------------------|----------------|----------------|----------------|-----------------|-----------------|
| Power (kW)           | 3.0            | 5.0            | 8.0            | 11.0            | 15.0            |
| Nominal voltage (V)  | 48             | 48             | 48             | 48              | 48              |
| Weight (kg)          | 20             | 23             | 31             | 31              | 39              |
| Static thrust (kg)** | 30             | 60             | 120            | 155             | 195             |
| Salt water resistant | Yes            | Yes            | Yes            | Yes             | Yes             |
| Controller included  | Yes            | Yes            | Yes            | Yes             | Yes             |

\*Motor power is depending on water conditions, usage and installation.

# Affordable solution

Our entry level outboard is the perfect solution for operators who are looking for an affordable solution with contains all functionalities they are looking for.

The motor controller will be delivered separately and can be installed in a compartment close to the motor.

The trim and tilt bracket is suitable for all standard steering cylinders available on the market. Therefore it is also a easy installable for refitting your boat!

The bracket contains five trimming positions to achieve the most efficient way of consuming your onboard power.





# Steerable outboard

Zero turn steering as an outboard solution

## Characteristics



Electric propulsion



Fixed trim

Optional: electric trim



Low in maintenance



Optional electric tilt



Joystick, steering wheel or CAN



Electric or hybrid

## Integration



New build or retrofit



Custom made projects



## Specs

|                       | Steerable outboard 11 | Steerable outboard 15.0 |
|-----------------------|-----------------------|-------------------------|
| Power (kW)*           | 11.0                  | 15.0                    |
| Nominal voltage (V)   | 48                    | 48                      |
| Weight (kg)           | T.B.D.                | T.B.D.                  |
| Static thrust (kgf)** | 155                   | 195                     |
| Salt water resistant  | Yes                   | Yes                     |
| Controller included   | Yes                   | Yes                     |

\*Motor power is depending on water conditions, usage and installation.

# Optimal maneuverability

Our steerable outboard boasts an impressive 320-degree rotation and 360-degree propulsion, configurable to lower angles if needed. This function ensures optimal maneuverability

The steerable outboard supports remote operation. This means it can be controlled by your local service partner, and RDT technicians are able to provide remote support through adjustable settings.



## Differences

### Entry level & steerable outboard

|                        | Entry level – outboard                             | Steerable outboard                                        |
|------------------------|----------------------------------------------------|-----------------------------------------------------------|
| Motor controller       | External installed in motor room                   | Integrated in motor housing                               |
| Steering functionality | Hydraulic steering cylinder excluded in price      | Electric steering motor integrated in motor               |
| Price                  | Entry level, competitive pricing with other brands | Price based on functionalities, design and unique product |
| Maneuverability        | Approximately 45 - 90 degrees                      | 320 degrees, 360 propulsive power                         |
| Design                 | Easy, compact and functional                       | Elegance, compact and functional to every boat design     |
| Installation           | Very simple, everyone can do it                    | Requires more knowledge and skill.                        |
| Trim                   | Manual trim                                        | Hydraulic trim                                            |



# Standard thruster

The best solution for continuous running times

## Characteristics



Electric propulsion



Extreme power



Low in maintenance

## Integration



New build or retrofit



Custom made projects



## Specs

|                      | Standard thruster 0.5 | Standard thruster 3 | Standard thruster 5 | Standard thruster 8 | Standard thruster 11 |
|----------------------|-----------------------|---------------------|---------------------|---------------------|----------------------|
| Power (kW)*          | 0.5                   | 3.0                 | 5.0                 | 8.0                 | 11.0                 |
| Nominal voltage (V)  | 48                    | 24 or 48            | 24 or 48            | 48                  | 48                   |
| Weight (kg)          | 2.5                   | 3.5                 | 5                   | 14                  | 14                   |
| Static thrust (kg)** | 5.5                   | 23 / 25             | 50 / 55             | 120                 | 140                  |
| Salt water resistant | Yes                   | Yes                 | Yes                 | Yes                 | Yes                  |
| Controller included  | Yes                   | Yes                 | Yes                 | Yes                 | Yes                  |

\*Motor power is depending on water conditions, usage and installation.

\*\*Will be less for 24V installations.

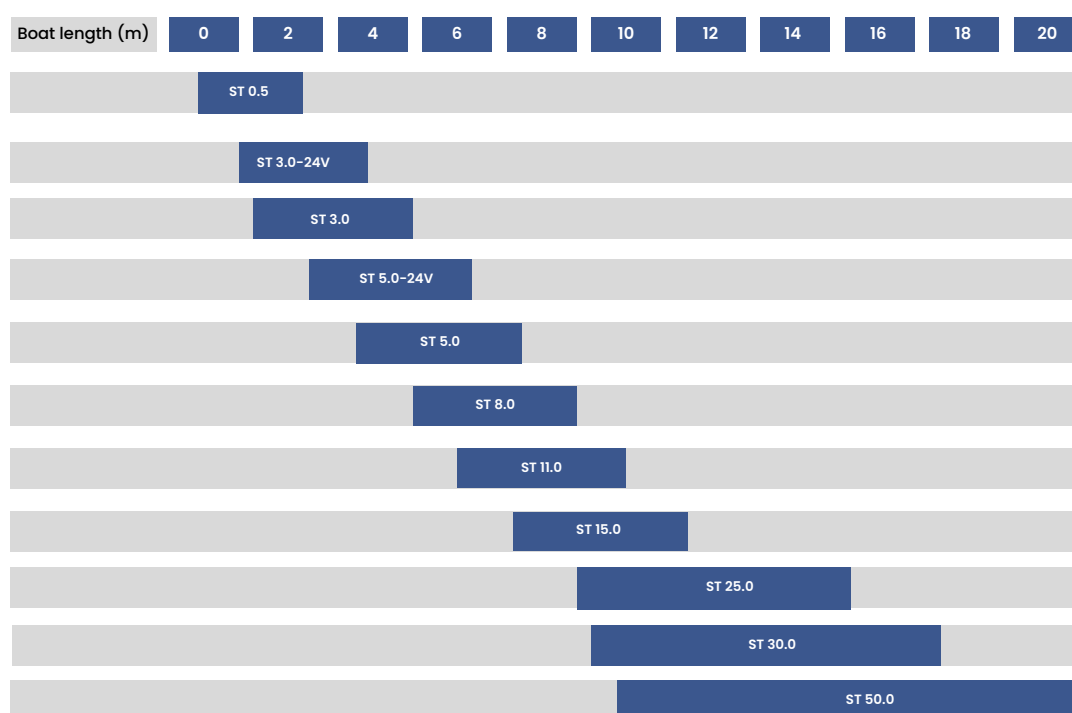
# Features

Our standard thruster is the most quiet bow thruster on the market. The bow thruster is efficient and also available as a stern thruster.

The standard bow thruster is extremely compact which makes it possible to place it further in the nose of the boat.

## Compability per boat length (m)

Choosing the right electric motor for a boat is crucial for optimal performance and efficiency on the water. In the table below, the compatibility per boat length is shown.



| Standard thruster 15 | Standard thruster 25 | Standard thruster 30 | Standard thruster 50 |
|----------------------|----------------------|----------------------|----------------------|
| 15.0                 | 25.0                 | 30.0                 | 50.0                 |
| 48                   | 96                   | 110 or 400           | 550                  |
| 21                   | 70                   | 70                   | 73                   |
| 175                  | 300                  | 350                  | 675                  |
| Yes                  | Yes                  | Yes                  | Yes                  |
| Yes                  | Yes                  | Yes                  | No                   |





# Thruster tunnel set

A strong stainless steel provides a robust solution for bow thrusters

## Characteristics



Electric propulsion



Extreme power



Low in maintenance



Tunnel installation

## Integration



New build or refit



Custom made projects

## Specs

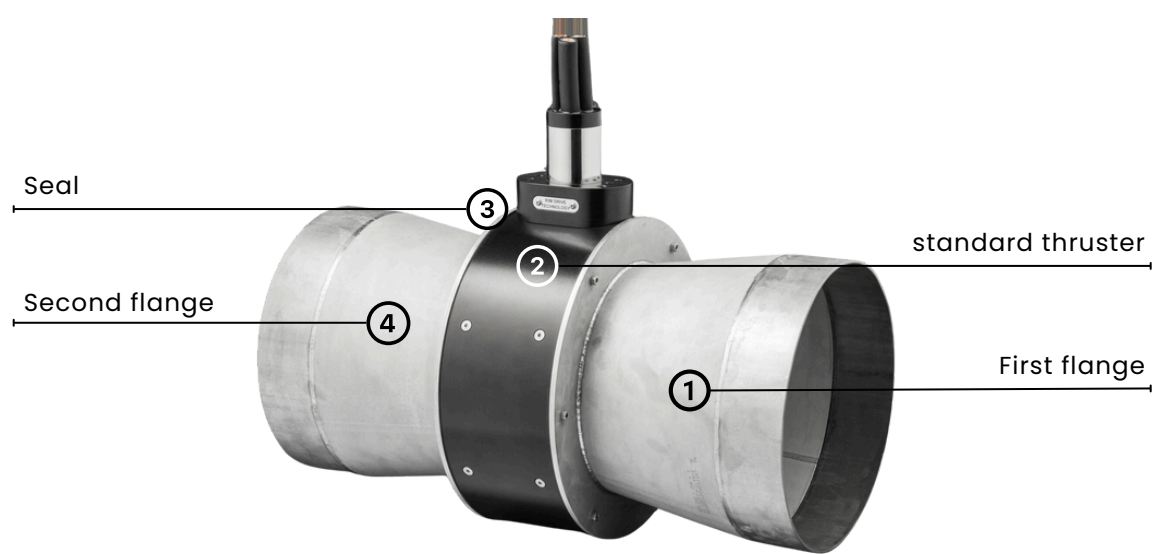
|                    | Thruster tunnel set 3 | Thruster tunnel set 5 | Thruster tunnel set 8 | Thruster tunnel set 11 |
|--------------------|-----------------------|-----------------------|-----------------------|------------------------|
| Diameter tube (mm) | 114.3                 | 168.2                 | 256                   | 256                    |
| Weight (kg)        | 5.5                   | 8                     | 25                    | 25                     |
| Material*          | Stainless steel       | Stainless steel       | Stainless steel       | Stainless steel        |

\*On request, other materials are also available such as steel, aluminium and glass fiber.

# Features

The tunnel set is easy to integrate into the boat. The bow thruster tunnels are easy to install due to the various mounting options

The tunnel set is specially designed for difficult conditions where the bow thruster remains protected.



| Thruster tunnel set 15 | Thruster tunnel set 25 | Thruster tunnel set 30 | Thruster tunnel set 50 |
|------------------------|------------------------|------------------------|------------------------|
| 256                    | 355.6                  | 355.6                  | 355.6                  |
| 32                     | 100                    | 100                    | 103                    |
| Stainless steel        | Stainless steel        | Stainless steel        | Stainless steel        |

# Bow thruster box

The bow thruster box makes it easy to access the motor

## Characteristics



Electric propulsion



Extreme power



Low in maintenance



Closed box installation

## Integration



New build or retrofit



Custom made projects



## Specs

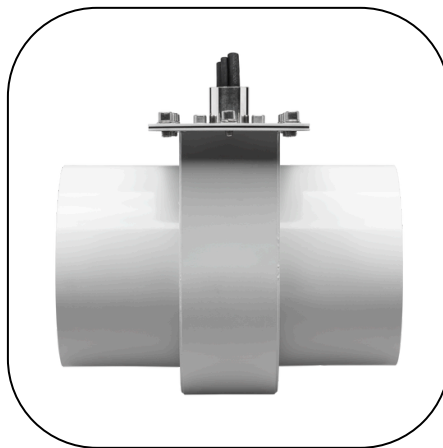
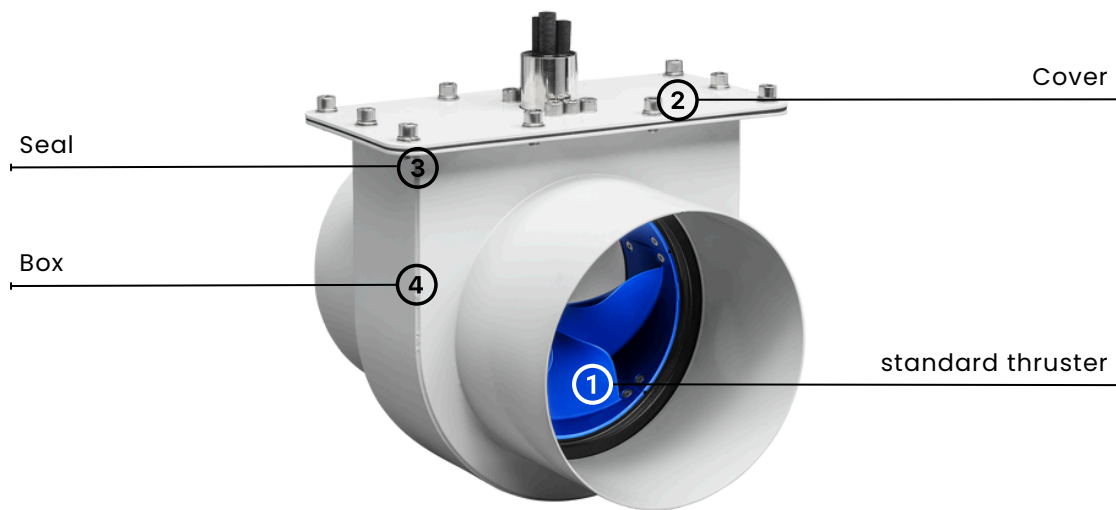
|                      | Bow thruster box 3 | Bow thruster box 5 | Bow thruster box 8 | Bow thruster box 11 | Bow thruster box 15 |
|----------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| Tunnel diameter (mm) | 086                | 133                | 212                | 212                 | 212                 |
| Weight (kg)          | 5.5                | 7                  | 16                 | 16                  | 23                  |
| Material*            | Stainless steel    | Stainless steel    | Stainless steel    | Stainless steel     | Stainless steel     |

\*On request, other materials are also available such as steel, aluminium and glass fiber.

# Features

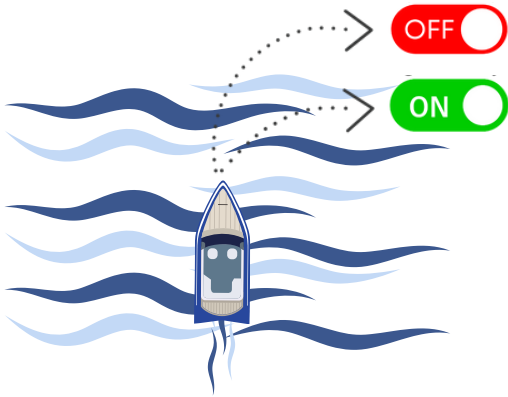
This motor boasts easy removal from its box, even when above the waterline, avoiding the need to take the boat out of water.

Its standardized tunnels allow straightforward installation ensuring waterproof and adequate cooling for the bow thruster.



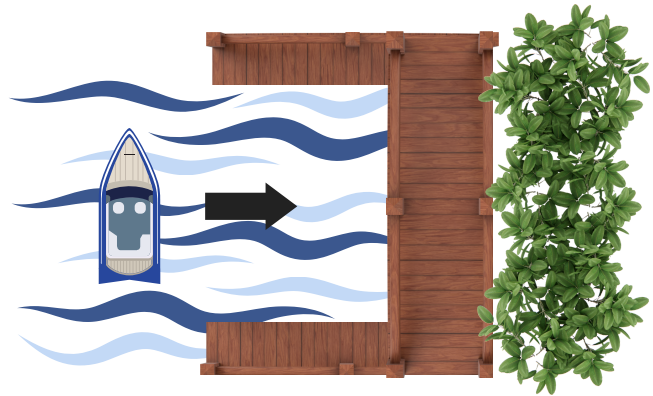
# System functionalities

Our system features improve the experience, efficiency and safety for the user. We offer the following additional functionalities: steering sensitivity mode, side-shift parking mode, zero turn steering and magnetic compass.



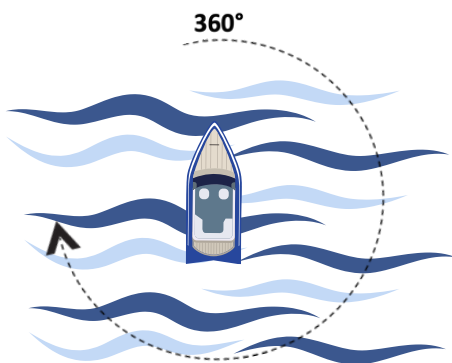
## Steering sensitivity mode

With this function the sensitivity of the throttle can be determined by a single button. This function makes it possible to steer very accurate in smaller spaces.



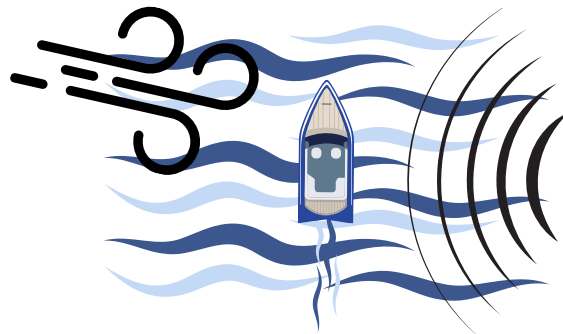
## Side- shift parking mode

A parking function on a boat is crucial when docking. It provides precise control and stability, allowing for safe and easy boat parking.



## Zero Turn steering

Differential steering makes it possible to rotate on your position with two fixed pods. We have realized an algorithm which calculates which motor should run in forward or reverse mode and at which RPM.



## Magnetic compass

This feature corrects currents and wind influences, making it possible to sail a straight course for a long time. It minimizes deviations and provides a relaxed and stable sailing experience.











# Batteries and chargers

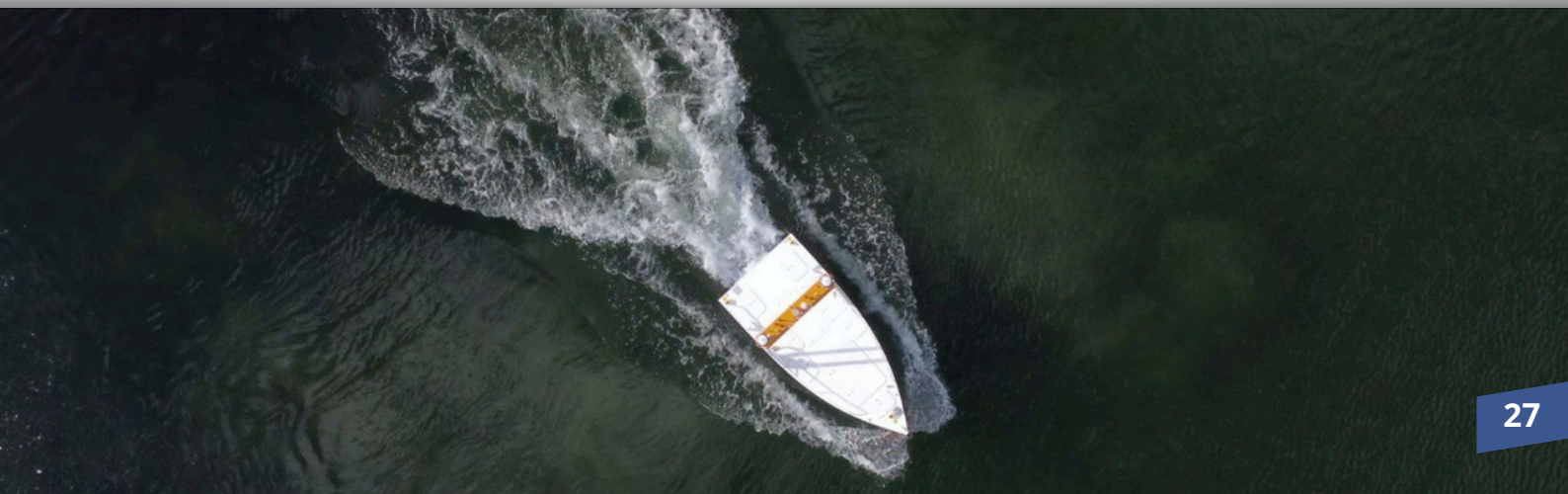
12V batteries

**12V 60Ah****12V 100Ah****12V 200Ah**

48V batteries

**48V 60Ah****48V 100Ah****48V 200Ah**

Chargers

**48V 2000W****48V 3300W**

# Our unique batteries

The high energy density, combined with no maintenance costs and affordable pricing makes these batteries the perfect candidate for those who wish to be powered electric. There are multiple technical advantages of our batteries that make a Rim Drive Technology battery a pleasure to use.

## Why a Rim Drive battery?



A Rim Drive battery has a high **energy density**.

Our **lightweight** and **powerful** batteries use the **latest technology** for incredible weight savings.

Due to the **minimal dimensions**, the battery can be used for many applications.

Our batteries are **maintenance-free**, so no service attention is required.

To provide the best customer experience, our batteries work **efficiently** with all our products.





# Batteries

The best solution for full day operation

## Characteristics



Integrated BMS



High energy density



No maintenance



Affordable pricing

## Type

|                  | 12V 60Ah | 12V 100Ah | 12V 200Ah | 48V 60Ah* | 48V 100Ah* | 48V 200Ah* |
|------------------|----------|-----------|-----------|-----------|------------|------------|
| Nominal voltage  | 12.8V    | 12.8V     | 12.8V     | 51.2V     | 51.2V      | 51.2V      |
| Nominal capacity | 60Ah     | 100Ah     | 200Ah     | 60Ah      | 100Ah      | 200Ah      |

## Dimensions

|                    | 12V 60Ah    | 12V 100Ah   | 12V 200Ah   | 48V 60Ah    | 48V 100Ah   | 48V 200Ah   |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Weight (kg)        | 7.6         | 12.7        | 28.1        | 30          | 50          | 75          |
| Dimensions (LxWxH) | 26x17x22 cm | 33x17x23 cm | 52x27x23 cm | 34x33x26 cm | 51x35x26 cm | 60x42x24 cm |

## Temperatures

| Environment           | Details   | Minimum | Maximum |
|-----------------------|-----------|---------|---------|
| Operating temperature | Charge    | 0°C     | 45°C    |
|                       | Discharge | -20°C   | 65°C    |
| Storage temperature   | 1 month   | -20°C   | 60°C    |
|                       | 3 months  | -20°C   | 45°C    |
|                       | 12 months | -20°C   | 20°C    |

### Certification standards

|                                       |
|---------------------------------------|
| EN IEC 61000-6 1:2019                 |
| EN 61000-6 3:2007 + A1:2011 + AC:2020 |
| EN IEC 61000-3-2:2019                 |
| EN 6100-3-3:2013 + A1:2019            |
| EN-IEC 62620:2015                     |
| EN-IEC 62619:2022                     |

\*Optional: notified body certification

# New generation

All batteries have an integrated BMS. The batteries can be connected up to 4 pieces in parallel.

With our new generation of LiFePO4 batteries, we aim to make the use of batteries both easy and affordable.

In case you want to have high voltage batteries, please contact our sales team.

## Battery specifications

|                                      | 12V 60Ah | 12V 100Ah | 12V 200Ah |
|--------------------------------------|----------|-----------|-----------|
| Max. continues charge current        | 30A      | 50A       | 100A      |
| Max. continues discharge current     | 60A      | 100A      | 100A      |
| Max. instantaneous discharge current | 120A     | 200A      | 200A      |
| Maximum charge voltage               | 14.6V    | 14.6V     | 14.6V     |
| Dischrage cut-off voltage            | 10V      | 10V       | 10V       |

All batteries are supplied with handles.

## Battery specifications

|                                  | 48V 60Ah | 48V 100Ah | 48V 200Ah |
|----------------------------------|----------|-----------|-----------|
| Max. continues charge current    | 30A      | 50A       | 100A      |
| Max. continues discharge current | 120A     | 125A      | 200A      |
| Maximum charge voltage           | 58.4V    | 58.4V     | 58.4V     |
| Dischrage cut-off voltage        | 35.2V    | 35.2V     | 35.2V     |

All batteries are supplied with handles.



# Chargers

Chargers to keep you connected and powered up

## Characteristics



High efficiency



Low weight



IP67 sealed



Compact design

## Specs

|                         | 2000W      | 3300W      |
|-------------------------|------------|------------|
| Nominal voltage         | 48V        | 48V        |
| Max. charge voltage (V) | 58,4       | 58,4       |
| Max. charge current (A) | 35         | 50         |
| Weight (kg)             | 4,5        | 6          |
| Dimensions (mm)         | 282x181x98 | 350x188x99 |
| IP-rating               | 67         | 67         |

# Accessories

Throttle controls

Single- Top



Single- Side



Double- Standard



Thruster control



Steerable POD joystick



Smart solutions

Smart steering system



Displays

Display 5"



Display 7"



Display 9"





# Throttle controls

Our unique throttle control for ultimate compatibility

All our throttle controls are lightweight, and easy to use. Through intensive testing, a reliable throttle has been created that can guarantee the safety of the user on the water.

## Characteristics



Easy to use



Saltwater resistant



Interchangeable handle design



Compact design

## Specs

|                             | Single- Top        | Single- Side       | Double- Standard   |
|-----------------------------|--------------------|--------------------|--------------------|
| Technology                  | Hall effect sensor | Hall effect sensor | Hall effect sensor |
| Rated voltage               | 5V                 | 5V                 | 5V                 |
| Output voltage              | 0.8V - 4.2V        | 0.8V - 4.2V        | 0.8V - 4.2V        |
| Operating temperature range | -25°C to +55°C     | -25°C to +55°C     | -25°C to +55°C     |
| Storage temperature range   | -40°C to +85°C     | -40°C to +85°C     | -40°C to +85°C     |
| Mechanical angle            | ±90                | ±90                | ±90                |
| Protection class            | IP68               | IP68               | IP68               |
| Weight (kg)                 | 0.6                | 0.4                | 2                  |



| Thruster control     | Steerable POD joystick    |
|----------------------|---------------------------|
| With push button     | Voltage range 0.5V - 4.5V |
| Straight lever       | Straight lever            |
| Quick-fit fastener   | Quick-fit fastener        |
| Switching voltage 5V | Switching voltage 5V      |



# Smart solutions

## Without rudders and additional steering mechanism

Steering with twin motors without rudders and additional steering mechanism. Rotation on location. A magnetic compass with LED indicator. A speed button with LED indicator and a joystick with algorithm to control twin motor system.

## Unique functions

### High speed selector

With this feature, the Rim Drive motor delivers full power, enabling smooth, long-distance propulsion, while the steering motor responds with reduced sensitivity for easier control.

### Cruise control selector

The motor will automatically corrects the effect of wind and current based on a compass signal.

#### Smart steering system

Magnetic compass

Speed function

Joystick CAN controller

12V power supply unit







# Displays

Provides the right information at the right time

All our displays have a waterproof design with an extremely bright display. The display shows important information such as estimated battery life, battery charge status, power consumption, global waterway maps and many more.

## Characteristics



Intelligent warnings



Water- and dustproof



Bright display



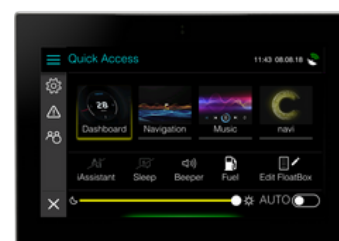
Advanced multi-touch

## Specs

|                       | Display 5"         | Display 7"         | Display 9"         |
|-----------------------|--------------------|--------------------|--------------------|
| Voltage               | 8-28V DC           | 8-28V DC           | 8-28V DC           |
| Operating temperature | -20 to 60°C        | -20 to 60°C        | -20 to 60°C        |
| Consumption           | 440mA 12V          | 650mA 12V          | 800mA 12V          |
| IP rating             | IPX6               | IPX6               | IPX6               |
| Connection            | WIFI               | WIFI               | WIFI               |
| GPS                   | Yes                | Yes                | Yes                |
| Multi-language        | Yes                | Yes                | Yes                |
| Alarms                | Visual and audible | Visual and audible | Visual and audible |
| Auto-on               | Yes                | Yes                | Yes                |



Intelligent warnings



Compact touch



Global waterway maps

# **RIM DRIVE TECHNOLOGY**



**Uncompromised  
Electric Motors**

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