

RIM DRIVE TECHNOLOGY



2024

Reference document

Electric propulsion systems for leisure, commercial and subsea applications.



Sloop A-610

A typical Dutch sloop used by smaller groups. It's lightweight and quiet which makes it perfect for sailing in shallow waters.



POD 5.0

Type	Length	Top speed
A-610	6 meters	11 km/h 5.94 Kn
Motor	Weight	Cruise speed
POD 5.0	940 kg	6 km/h 3.24 Kn
Battery capacity	Run time	Power at cruise
20 kWh	8 hours	2kW



Workboat

To transport people from location A to B. Equipped with 24V bow and stern thrusters for ultimate maneuverability.



(3X) Thruster 3.0

Type
Workboat

Stern thruster
(2x) Thruster 3.0

Bow thruster
(1x) Bow thruster 3.0

Length
10,5 meter

Main engine
Diesel engine

Weight
7700 kg



USV

From the mainland, unmanned vehicles can easily be deployed. Thanks to the accessibility of a remote control.



(2x) POD 11.0

Type	Length	Top speed
USV	3 meters	15 km/h 8.01 Kn
Main motor	Weight	Cruise speed
2x POD 11.0	350 kg	5 km/h 2.70 Kn
Bow thruster	Run time	Payload
Bow thruster 5.0	15 hours	170 kg



Tour boat

A 32 pax vessel for shallow waters powered by two 11kW Entry Level outboard engines. A great twin install project!



(2x) EL - Outboard 11.0

Type	Length	PAX
Tour boat	11 meters	32 pers.
Motor	Weight	Cruise speed
2x EL Outboard 11.0	3500 kg	12 km/h 6.48 Kn
Battery capacity	Run time	Power at cruise
40 kWh	5 hours	2.6 kW



Autonomous ferry

This company aims to help cities solve pollution and congestion problems by deploying networks of zero emission electric, autonomous ferries for mobility and last-mile logistics.



Type

Ferry

Length

Approx. 15 meters

Top speed

28 km/h
15.12 Kn

Motor

(2x) steerable 50.0

Weight

10.000 kg

Cruise speed

11 km/h
5.94 Kn

Battery capacity

95 - 285 kWh

Run time

15 hours

Power at cruise

15kW

(2x) Steerable 50.0



Hydrofoil

Students from the University School of Design and Engineering of Barcelona have successfully prototyped a USV boat. This prototype provided good stability and floatation data.



Outboard 5.0

Type	Length	Top speed*
USV boat	2,6 meters	55 km/h 29.70 Kn
Motor	weight	Cruise speed
Outboard 5.0	180 kg	25 km/h 13.50 Kn
Battery capacity	Run time	
48V 60Ah	8 hours	

*Top speed is based on the calculations of the students)



Wooden boat

Beautiful classic wooden boat in Estonia. This boat is refitted with an electric rim drive motor.



POD 3.0

Type:

Sloop

Run time

1.5h

Motor

POD 3.0

Length

5 meter

Battery capacity

5 kWh

Weight

600 kg



Santos

Santos has developed a sustainable e-tender sloop for individuals and companies that value appearance, build quality, and performance as much as sustainability.



POD 5.0

Type:

Sloop

Run time

8h

Motor

POD 5.0

Length

5.5 meter

Battery capacity

10 kWh

Weight

540 kg



Nautel

The Portuguese Navy has unveiled a new unmanned surface vehicle (USV) dubbed Trator Do Mar, at NATO's Exercise 'REPMUS 24'



(2x) POD 11.0

Type
USV

Cruise speed
Medium speed

Motor
2x POD 11.0

Length
Classified

Weight
Classified

Data collector
subterranean



Exail drix O-16

The Exial drix O-16 USV is used for full ocean depth scientific and hydrographic surveys, geophysical and UXO surveys, and subsea infrastructure inspections.



(1x) Thruster 11.0

Type
USV

Main engine
Diesel engine

Bow Thruster
1x Bow thruster 11.0

Length
15,75 meters

Weight
10000 kg

Data collector
subterranean

RIM DRIVE TECHNOLOGY



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www.rimdrivetechology.nl

+31 (0) 85 482 48 55

Info@rimdrivetechology.nl