

Only quality matters.

POD – Maritime

POD – Subsea

Steerable POD

Outboard

Bow thruster - Maritime

Bow thruster - Subsea

English

RIM DRIVE TECHNOLOGY



# Unique design

There are multiple reasons to select a electric motor for your application, but there are many reasons to select a **Rim Drive Technology** motor over combustion or another electric motor.

A Rim Drive motor has an **immediate acceleration** response. Uniquely combined with the **stepless** control system, it provides you with the highest feeling of maneuverability.

Almost every alternative competitive motor has a central axis, which is very sensitive to ropes, weeds and fishing nets. The fact of not having a center axis **limits** the chance of materials getting stuck in the propeller.

*“Simplicity is the ultimate sophistication”*

These motors can produce **high torque**, a valued feature among the owners of heavier boats. Due to its **compact** and **lightweight** design, it is possible to install it in the smallest compartments.

During the design phase, we have set goals to minimize **installation** and **service costs** for our users. By having just one rotating part, we have achieved minimized maintenance costs. On the other hand, we succeeded in replacing an anode or propeller within **less** than two minutes.

All our products are **saltwater resistant** to ensure ease of installation for every boat owner. In addition to this, all motors are certified with an **IP68** rating.

# Datasheet

## Motor characteristics

Product name	Steerable POD 3.0	Steerable POD 5.0	Steerable POD 8.0	Steerable POD 11.0	Steerable POD 15.0
Motor type	PR086-M-48V	PR133-M-48V	M212-48V	PR212-M-48V	PR212-M-48V-PRO
Article code	300004074	300004078	300004264	300004082	300004156
Power*	3kW	5kW	8kW	11kW	15kW
Normal current	63A	104A	170A	230A	300A
Nominal voltage	48V	48V	48V	48V	48V

\*Power (kW) is depending on water conditions, usage and installation.

## Motor dimensions

Product name	Steerable POD 3.0	Steerable POD 5.0	Steerable POD 8.0	Steerable POD 11.0	Steerable POD 15.0
Weight	21.5 kg	23 kg	32 kg	32 kg	37 kg
Propeller diameter	86 mm	133 mm	212 mm	212 mm	212 mm
Outside diameter	135 mm	185 mm	290 mm	290 mm	290 mm
Motor length	150 mm	150 mm	180 mm	180 mm	205 mm
Steering motor voltage	48V	48V	48 V	48V	48V
Steering input signal	Analogue	Analogue	Analogue	Analogue	Analogue
Maximum current steering motor	8A	8A	8A	8A	8A
Torque steering motor	120Nm	120Nm	120 Nm	120Nm	120Nm
IP Class steering motor	IP65	IP65	IP65	IP65	IP65

## Motor classifications

Product name	Steerable POD 3.0	Steerable POD 5.0	Steerable POD 8.0	Steerable POD 11.0	Steerable POD 15.0
IP Class	IP68	IP68	IP68	IP68	IP68
Static thrust	31kg	62kg	120 kg	156kg	195kg
Salt water resistant*	Yes	Yes	Yes	Yes	Yes
Cable length	2m	2m	2m	2m	2m

\*The rim driven motor is salt water resistant. The motor for the rotational movement not.

## Motor controller specifications

Product name	Steerable POD 3.0	Steerable POD 5.0	Steerable POD 8.0	Steerable POD 11.0	Steerable POD 15.0
Motor controller*	48V 250A	48V 250A	48V 450A	48V 600A	48V 600A
Length	160 mm	160 mm	200 mm	250 mm	250 mm
Width	200 mm	200 mm	200 mm	200 mm	200 mm
Height	72 mm	72 mm	72 mm	72 mm	72 mm
Weight	3.25 kg	3.25 kg	4.1 kg	4.9 kg	4.9 kg

\*Motor controller is included in the set price with the motor itself.

# Datasheet

## Motor characteristics

Product name	Steerable POD 30.0	Steerable POD 50.0
Motor type	PR341-M-110	PR341-M-400V-Pro
Article code	300004209	30004267
Power*	30kW	50kW
Normal current	273A	150A
Nominal voltage	110V	400V

\*Power (kW) is depending on water conditions, usage and installation.

## Motor dimensions

Product name	Steerable POD 30.0	Steerable POD 50.0
Weight	110 kg	110kg
Propeller diameter	341 mm	341 mm
Outside diameter	470 mm	470 mm
Motor length	277 mm	277 mm
Steering motor voltage	48V	48V
Steering input signal	CAN	CAN
Maximum current steering motor	16A	16A
Torque steering motor	410Nm	410Nm
IP Class steering motor	IP65	IP65

## Motor classifications

Product name	Steerable POD 30.0	Steerable POD 50.0
IP Class	IP68	IP68
Static thrust	400kg	750kg
Salt water resistant*	Yes	Yes
Cable length	2m	2m

\*The rim driven motor is salt water resistant. The motor for the rotational movement not.

## Motor controller specifications

Product name	Steerable POD 30.0	Steerable POD 50.0
Motor controller*	96V600A	400V 150A
Length	320 mm	485 mm
Width	200 mm	210 mm
Height	72 mm	245 mm
Weight	6.2 kg	16 kg

\*Motor controller is included in the set price with the motor itself.

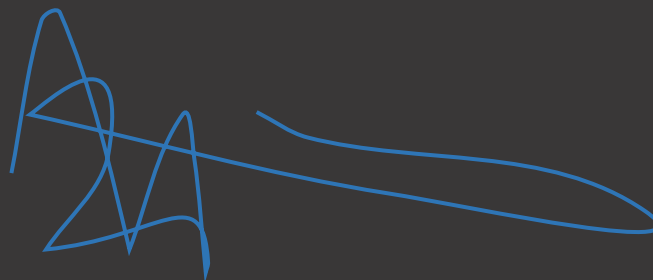
## RIM DRIVE TECHNOLOGY

Our mission is to **convince customers**. Convince them that our motors work for many hours with minimal 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.

*“Provide customers with **electric solutions with multiple advantages compared to combustion engines**”*

These motors are perfect candidates for those who want to sail electric, as they have a streamlined design, are sustainable and functional. Because of its **unique design**, the motor consists of only one rotating part. It significantly decreases maintenance costs.

Combined with extremely high torque, fast response time, and saltwater compatibility rim-drive motors can be equipped in many applications. You will find the **Rim Drive Technology** motors on sloops, autonomous unmanned vehicles, ROVs, research vessels and navy-related sailing solutions.





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**Uncompromised  
Electric Motors**

[www.rimdrivetechology.nl](http://www.rimdrivetechology.nl)

+31 (0) 85 482 48 55

[info@rimdrivetechology.nl](mailto:info@rimdrivetechology.nl)