



# Propulsion motor 168

Product specifications

Revision 1.0

01-01-2020

No rights can be derived from the contents of this document in any way,  
nor can any claims be laid to this.

# Propulsion motors

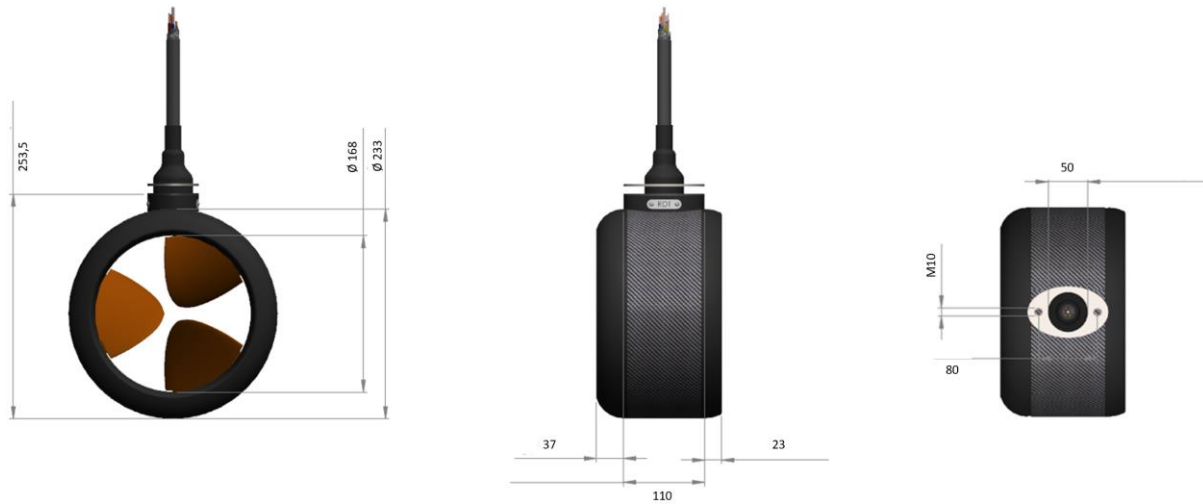
Specification	PR86	PR133	PR168	PR212
<b>Application</b>	Propulsion	Propulsion	<b>Propulsion</b>	Propulsion
<b>Input power (Kw)</b>	3	5	<b>9</b>	11
<b>Maximum pulling thrust (Lbs / Kg / N)</b>	66 / 29 / 285	155 / 71 / 696	<b>295 / 134 / 1.314</b>	445 / 202 / 1.981
<b>Nominal voltage (V)</b>	24-48	24-48	<b>48</b>	48
<b>Standard cable length (cm)</b>	200	200	<b>200</b>	200
<b>Weight in air (kg)*</b>	3,5	5,0	<b>9,0</b>	13,0
<b>Inside diameter propeller (mm)</b>	86	133	<b>168</b>	212
<b>Max. propeller speed (RPM)</b>	3.000	2.500	<b>2.000</b>	1.500
<b>Efficiency (%)</b>	> 87	> 87	<b>&gt; 87</b>	> 87
<b>Outside diameter (mm)</b>	135	185	<b>233</b>	284
<b>Width (mm)</b>	150	150	<b>150</b>	150
<b>Flow rings</b>	PU 70A	PU 70A	<b>PU 70A</b>	PU 70A
<b>Stator housing (Material)</b>	Aluminium	Aluminium	<b>Aluminium</b>	Aluminium
<b>Bearings (Material)</b>	Ceramic	Ceramic	<b>Ceramic</b>	Ceramic
<b>Anode</b>	Yes	Yes	<b>Yes</b>	Yes
<b>Propeller</b>	Asymmetric	Asymmetric	<b>Asymmetric</b>	Asymmetric
<b>RPM control (stepless)</b>	Throttle	Throttle	<b>Throttle</b>	Throttle
<b>Waterproofness (IP)</b>	68	68	<b>68</b>	68
<b>Sales price excl. VAT (€)</b>	2.595	3.795	<b>5.250</b>	5.950
<b>Delivery time (weeks)</b>	On request	On request	<b>On request</b>	On request

\*Exclusive cable set

# 1. Propulsion motor 168

This paragraph provides information about motor 168 and complementary parts.

## 1.1 DIMENSIONS



## 1.2 PRICE LIST

Article	Description	Price ex. VAT	Price in. VAT
PR.168.024	Propulsion motor 168 – 24V	€ 5.250,00	€ 6.352,50
PR.168.048	Propulsion motor 168 – 48V	€ 5.250,00	€ 6.352,50

\*Other voltages on request

### 1.3 OPTIONAL PARTS

Your product can be customized in different ways depending on your application. All prices are in addition to the basic price.

	Standard	Optional	
Flow rings	Flexible	POM	
Bearings	Ceramic	Hard metal	
Propeller	Asymmetric	Symmetric	
Stator housing	Aluminium	Plastic*	Carbon*

\*Depending on application and water conditions.

### **1.3.1 HARD METAL BEARINGS**

Article	Description	Price ex. VAT	Price in. VAT
TC.168	Hard metal bearings	€ 200,00	€ 242,00

### **1.3.2 SYMMETRIC PROPELLER**

Article	Description	Price ex. VAT	Price in. VAT
SY.PR.168	Symmetric propeller	€ 349,00	€ 422,29

### **1.3.3 SUBSEA UPGRADE**

Article	Description	Price ex. VAT	Price in. VAT
SU.SE.168	Subsea upgrade	On request	On request

### **1.3.4 STATOR HOUSING**

Article	Description	Price ex. VAT	Price in. VAT
STA.PL.168	Stator housing plastic	€ 100,00	€ 121,00
STA.CA.168	Stator housing carbon	€ 375,00	€ 453,75

# Complementary matrix

Side product	PR86	PR133	PR168	PR212
Motor controller 250 Arms	✓	✓	✓	✓
Motor controller 450 Arms	✓	✓	✓	✓
Motor controller 460 Arms	✓	✓	✓	✓
Throttle control - Single	✓	✓	✓	✓
Throttle control - Double	✓	✓	✓	✓
Throttle control - Customized	✓	✓	✓	✓
Display 3	✓	✓	✓	✓
Display 3S	✓	✓	✓	✓
Display 6	✓	✓	✓	✓
Display 6S	✓	✓	✓	✓
Battery 2.5 – 24V	✓	✓	✓	✓
Battery 5.0 – 24V	✓	✓	✓	✓
Battery 10 – 24V	✓	✓	✓	✓
Battery 2.5 – 48V	✓	✓	✓	✓
Battery 5.0 – 48V	✓	✓	✓	✓
Battery 10 – 48V	✓	✓	✓	✓
Battery 15 – 48V	✓	✓	✓	✓
Symmetric propeller 86	✓			
Symmetric propeller 133		✓		
Symmetric propeller 168			✓	
Symmetric propeller 212				✓
Asymmetric propeller 86	✓			
Asymmetric propeller 133		✓		
Asymmetric propeller 168			✓	
Asymmetric propeller 212				✓
Anode	✓	✓	✓	✓
Outdoor box	✓	✓	✓	✓
Customized foam	✓	✓	✓	✓
Custom cables	✓	✓	✓	✓