

**Got any questions?  
We're here to help!**

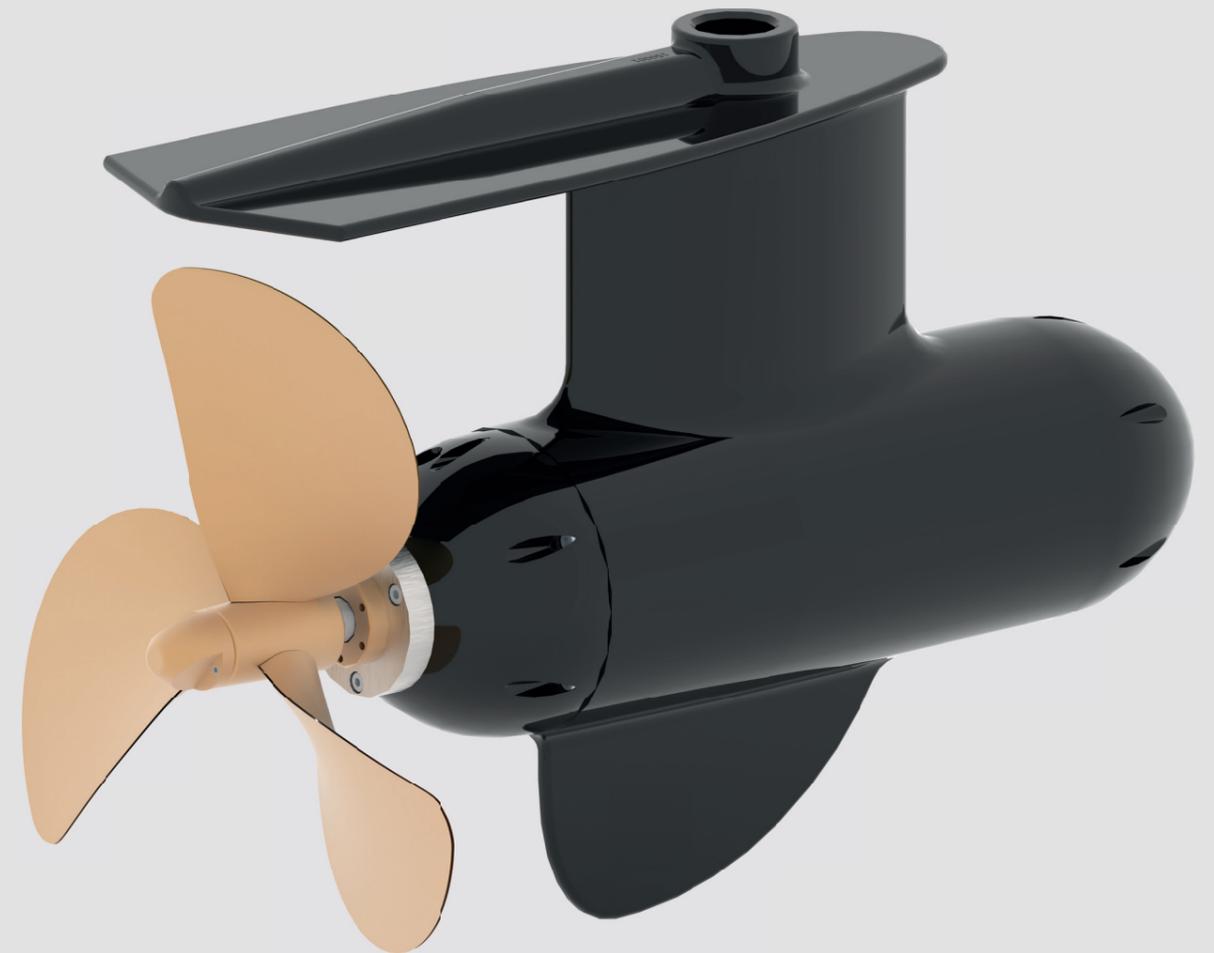
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Do you have any questions or need personal advice? Schedule a consultation with one of our experts to find the best propulsion solution for your customer and application.



Masters  
in electric  
propulsion



**Pod 180**

Continuous power output 15kW

The Pod 180 provides quiet, powerful performance with efficient direct drive technology. Made from seawater-resistant materials, it is durable, low-emission, and easy to install.

## Specs

Technical data	
Motor type	SMPM
Frame size	90 EL
Nominal bus voltage	48 VDC
Model	POD
Maximum stator current	650 A
Rated speed	1500 min <sup>1</sup>
Rated voltage	48 VDC
Min. voltage	43,2 VDC
Motor constant	0,273 Nm/A
Rated phase current	419,00 A
Rated torque	114,6 Nm
Rated power S1 @ 48VDC 1500rpm	18001 Watt
Peak power S2-10	21427 Watt
Constant Electric	18,50 V/k-rpm
Induction LS	0,022 mH
Resistance of winding	3,63 mΩ
Winding class	F
Max. operating temperature	120°C
Weight	60 kg
Efficiency @ rated speed-torque	89,22%
Number of poles	12

Torque map	RPM	Nm
Standstill peak	0	180,00
Limit point	1295	158,00
No load max	1876	6,50
Standstill nominal	0	140,00
Utilizable	1580	130,00
No load max	1876	6,50

Controller	Type	48-650
Nominal voltage	48 VDC	
Continuous current (60min.)	320 A	
Peak current (2min.)	650 A	
Boost current (10sec.)	750 A	
Cooling	Water ICW	
Max. amb. temp.	42°C	
Efficiency	98%	

Note! Motor power is limited by the controller.

Dimensions (enclosure)	Height	500 mm
Width	400 mm	
Depth	220 mm	
Weight	18,5 kg	
IP	54	

Joystick	Cycle live (more than)	2 Million
Weight	0,85 kg	
IP	55	

Included	Dc-dc converter
Input voltage	48 VDC
Input current	5 A
Output voltage	12 VDC
Output current	10 A
Circulation pump ICW	6 L min.