

Got any questions?
We're here to help!

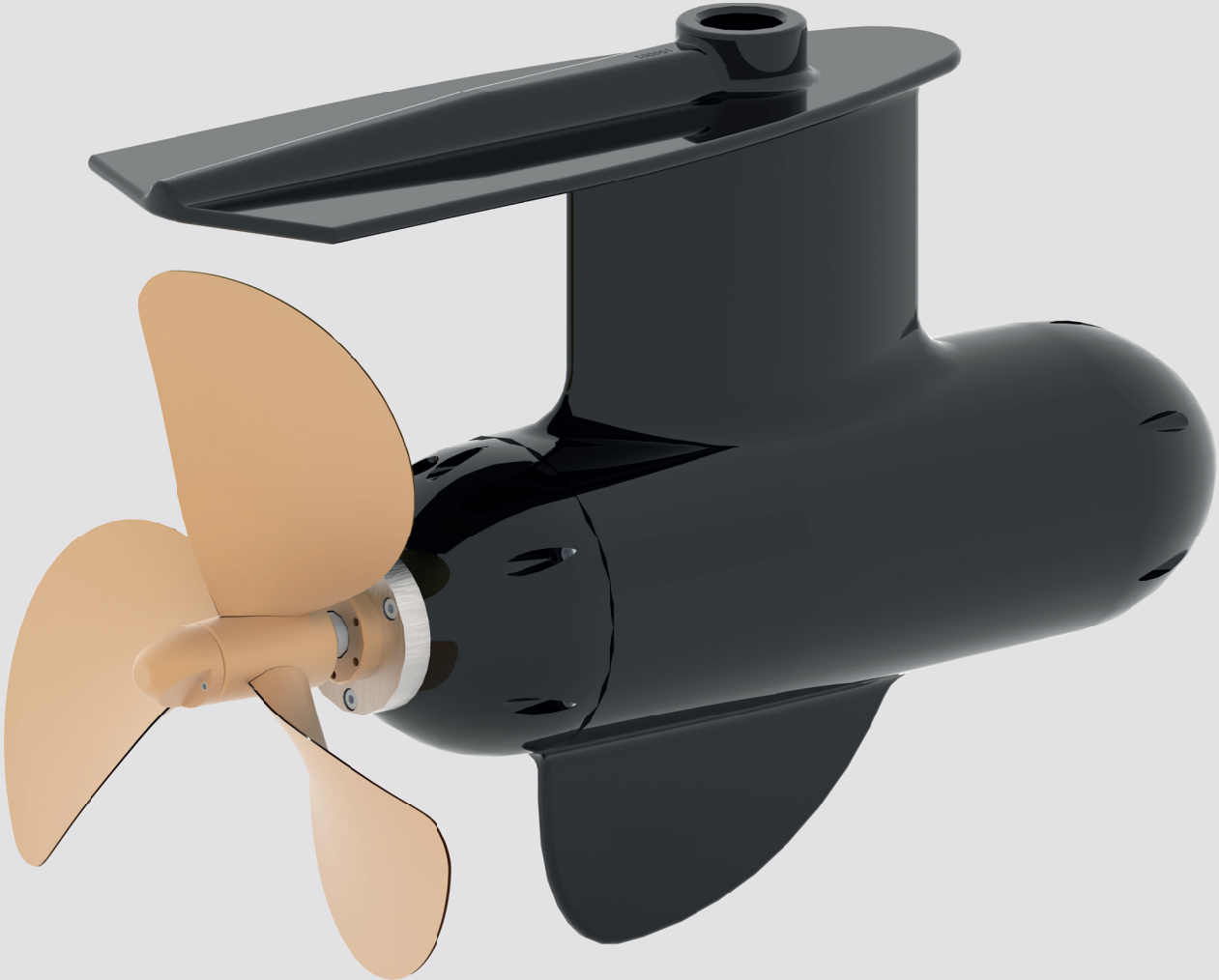
+31 521 36 1099

arka.nl

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 75

Continuous power output 5,0 kW

The Pod 75 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	Motortype	SMPM
	Framesize	71 M
	Nominal bus voltage	48 VDC
	Model	POD
	Maximum stator current	223,39 A
	Rated speed	1500 min ¹
	Rated voltage	48 VDC
	Min. voltage	43,2 VDC
	Motor constant	0,28 Nm/A
	Rated phase current	109,56 A
	Rated torque	31,8 Nm
	Rated power S1 @ 48VDC 1500rpm	4995 Watt
	Peak power S2-10	8226 Watt
	Constant Electric	18,80 V/k-rpm
	Induction LS	0,037 mH
	Resistance of winding	16,55 mΩ
	Winding class	F
	Max. operating temperature	120 °C
	Weight	24 kg
	Efficiency @ rated speed-torque	90,05%
	Number of poles	12

Torque map		RPM	Nm
	Standstill peak	0	66,00
	Limit point	1200	65,46
	No load max	1710	1,58
	Standstill nominal	0	56,29
	Utilizable	1510	31,66
	No load max	1710	1,58

Controller	Type	48-450
	Nominal voltage	48 VDC
	Continuous current (60min.)	180 A
	Peak current (2min.)	450 A
	Boost current (10sec.)	540 A
	Cooling	Heatsink
	Max. amb. temp.	42 °C
	Efficiency	95,5%

Dimensions (enclosure)	Height	400 mm
	Width	300 mm
	Depth	220 mm
	Weight	13,5 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	20 A