

Got any questions?
We're here to help!

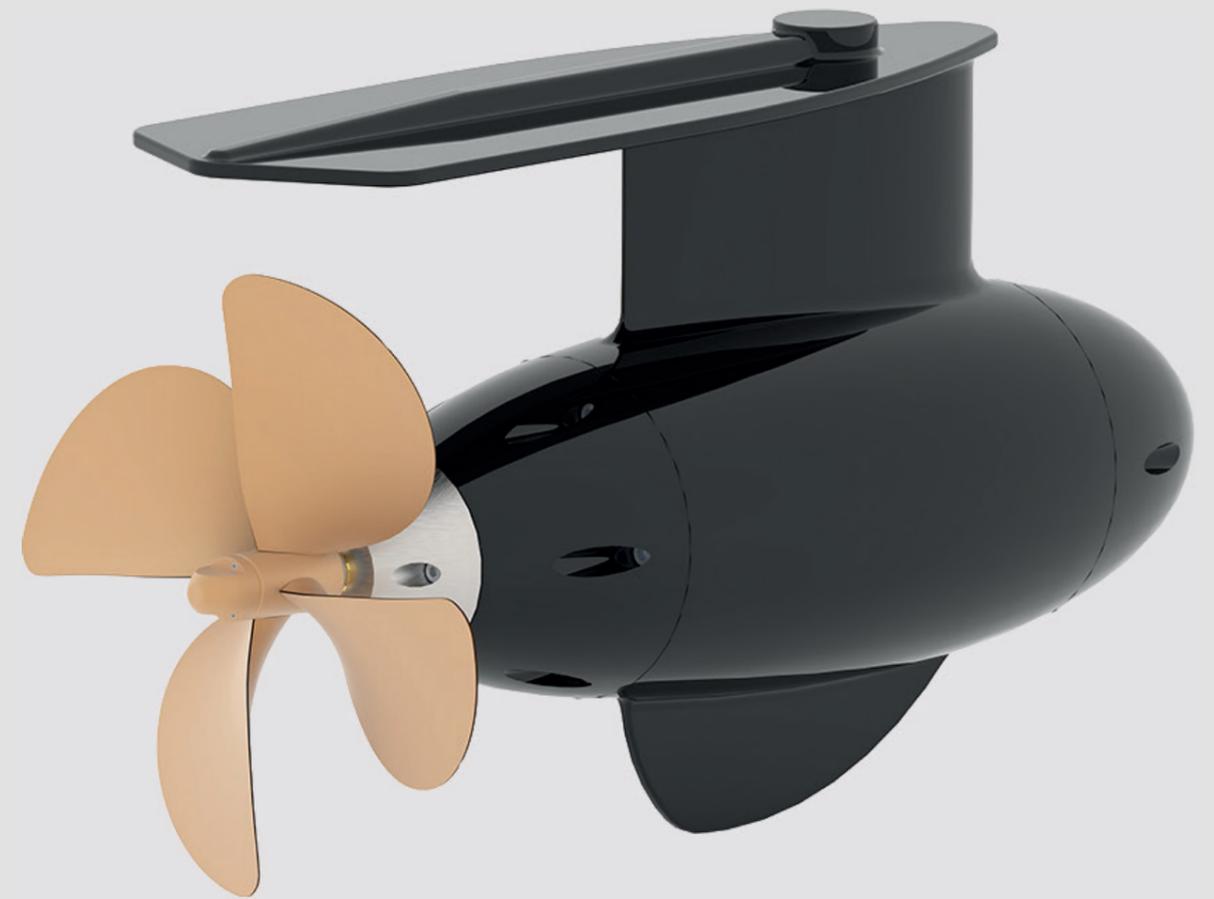
+31 521 36 1099

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 200

Continuous power output 18,5 kW

The Pod 200 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	100 VDC
	Model	POD
	Maximum stator current	250,4 A
	Rated speed	1500 min ¹
	Rated voltage	100 VDC
	Min. voltage	90 VDC
	Motor constant	0,599 Nm/A
	Rated phase current	194,50 A
	Rated torque	116,51 Nm
	Rated power S1 @ 100VDC 1500rpm	18301 Watt
	Peak power S2-10	21756 Watt
	Constant Electric	40,00 V/k-rpm
	Induction LS	0,082 mH
	Resistance of winding	9,6 mΩ
	Winding class	F
	Max. operating temperature	120°C
	Weight	60 kg
	Efficiency @ rated speed-torque	90,54%
	Number of poles	12

Torque map	RPM	Nm
Standstill peak	0	160,00
Limit point	1385	150,00
No load max	1877	4,75
Standstill nominal	0	105,00
Utilizable	1600	95,00
No load max	1877	4,75

Controller		
	Type	80-550
	Nominal voltage	80-105 VDC
	Continuous current (60min.)	285 A
	Peak current (2min.)	550 A
	Boost current (10sec.)	660 A
	Cooling	Water ICW
	Max. amb. temp.	42°C
	Efficiency	98%

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	60-110 VDC
	Input current	5 A
	Output voltage	12 VDC
	Output current	10 A
	Circulation pump ICW	6 L min.