

Got any questions?  
We're here to help!

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Masters  
in electric  
propulsion



**Pod 125**

Continuous power output 8,8 kW

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.

The Pod 125 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 EL
Nominal bus voltage	51,2 VDC
Model	POD
Maximum stator current	356,4 A
Rated speed	1500 min <sup>1</sup>
Rated voltage	51,2 VDC
Min. voltage	46,08 VDC
Motor constant	0,275 Nm/A
Rated phase current	208,248 A
Rated torque	56,165 Nm
Rated power S1 @ 51,2VDC 1500rpm	8822 Watt
Peak power S2-10	16246 Watt
Constant Electric	18,20 V/k-rpm
Induction LS	0,705 mH
Resistance of winding	14,12 mΩ
Winding class	F
Max. operating temperature	120 °C
Weight	28 kg
Efficiency @ rated speed-torque	91,35%
Number of poles	12

### Torque map

	RPM	Nm
Standstill peak	0	98,00
Limit point	1633	95,00
No load max	1960	2,67
Standstill nominal	0	59,18
Utilizable	1633	53,40
No load max	1960	2,67

### 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