

Arka POD 7,5 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	71	EL
Nominal Bus voltage	48	VDC
Model	POD	
Maximum stator current	388,87	A
Rated speed	1500	min ¹
Rated Voltage	48	VDC
Min. Voltage	43,2	VDC
Motor constant	0,28	Nm/A
Rated Phase Current	184,68	A
rated Torque	51,71	Nm
Rated power S1 @ 48VDC 1500rpm	8123	Watt
Peak power S2-10	13827	Watt
Constant Electric	18,00	V/k-rpm
Induction Ls	0,022	mH
Resistance of winding	9,459	mΩ
Winding class	F	
Max. operating temperature	120	°C
Weight	26	kg
Efficiency @ rated speed-torque	94,05	%
Number of poles	12	

Torque map	RPM	Nm
Standstill Peak	0	110,00
Limit point	1210	109,12
No load Max	1780	2,54
Standstill Nominal	0	56,29
Utilizable	1560	50,71
No load Max	1780	2,54

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	

Optional:		
<i>Dc-dc converter</i>		
Input voltage	48	VDC
input current	5	A
Output voltage	12	VDC
Output current	20	A

Motordata according to:

IEC 60034-1:2022