

Arka POD 5,0 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	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
Resistanse 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
<i>Standstill Peak</i>	0	66,00
<i>Limit point</i>	1200	65,46
<i>No load Max</i>	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
continuos 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