

Arka Arton 18,5 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	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
Resistanse of winding	9,6	mΩ
Winding class	F	
Max. operating temperature	120	°C
Weight	90	kg
Efficiency @ rated speed-torque	90,54	%
Number of poles	12	

Torque map	RPM	Nm
<i>Standstill Peak</i>	0	160,00
<i>Limit point</i>	1385	150,00
<i>No load Max</i>	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
continuos 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		
<i>Dc-dc converter</i>		
Input voltage	60-110	VDC
input current	5	A
Output voltage	12	VDC
Output current	10	A
Circulation pump ICW	6	L min.

Motordata according to:	IEC 60034-1:2022
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