

Arka Infinion 8,8 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	71	EL
Nominal Bus voltage	51,2	VDC
Model	POD	
Maximum stator current	356,4	A
Rated speed	1500	min ¹
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
Resistanse 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
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
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