

# Arka Out 3,5 kW

Technical data	Motor	
Motortype	SMPM	
Framezise	50	EL
Nominal Bus voltage	48	VDC
Model	POD	
Maximum stator current	127,53	A
Rated speed	1500	min <sup>1</sup>
Rated Voltage	48	VDC
Min. Voltage	43,2	VDC
Motor constant	0,27	Nm/A
Rated Phase Current	81,64	A
rated Torque	22,12	Nm
Rated power S1 @ 48VDC 1500rpm	3475	Watt
Peak power S2-10	5073	Watt
Constant Electric	17,47	V/k-rpm
Induction Ls	0,25	mH
Resistance of winding	39,019	mΩ
Winding class	F	
Max. operating temperature	120	°C
Weight	22	kg
Efficiency @ rated speed-torque	93,44	%
Number of poles	12	

Torque map	RPM	Nm
Standstill Peak	0	35,00
Limit point	1400	34,60
No load Max	1840	1,11
Standstill Nominal	0	23,44
Utilizable	1400	22,12
No load Max	1840	1,11

Controller		
Type	48-275	
Nominal voltage	48	VDC
continuous current (60min.)	110	A
Peak current (2min.)	275	A
Boost current (10sec.)	330	A
Cooling	Heatsink	
Max. amb. Temp.	42	°C
Efficiency	95,5	%

Propeller		
Material	Aluminium	
Dimensions	9 X 9	Inch
For shaft diameter	16	mm
Weight	1,2	kg
Type	Pin Drive	

Transom mount	Max transom height
Short	15 Inch
Long	20 Inch
Extra Long	25 Inch

Optional:
<i>Remote control (wired) including:</i>
Joystick
Battery monitor
Rudder lever
Keypad

Motordata according to: IEC 60034-1:2022