

## Arka Out 2,0 kW

| Technical data                  | Motor  |                  |
|---------------------------------|--------|------------------|
| Motortype                       | SMPM   |                  |
| Framezise                       | 50     | M                |
| Nominal Bus voltage             | 48     | VDC              |
| Model                           | POD    |                  |
|                                 |        |                  |
| Maximum stator current          | 68,43  | A                |
| Rated speed                     | 1500   | min <sup>1</sup> |
| Rated Voltage                   | 48     | VDC              |
| Min. Voltage                    | 43,2   | VDC              |
| Motor constant                  | 0,30   | Nm/A             |
| Rated Phase Current             | 42,49  | A                |
| rated Torque                    | 12,80  | Nm               |
| Rated power S1 @ 48VDC 1500rpm  | 2011   | Watt             |
| Peak power S2-10                | 2654   | Watt             |
| Constant Electric               | 19,53  | V/k-rpm          |
| Induction Ls                    | 0,053  | mH               |
| Resistanse of winding           | 79,532 | mΩ               |
| Winding class                   | F      |                  |
| Max. operating temperature      | 120    | °C               |
| Weight                          | 22     | kg               |
| Efficiency @ rated speed-torque | 92,87  | %                |
| Number of poles                 | 12     |                  |

| Torque map         | RPM  | Nm    |
|--------------------|------|-------|
| Standstill Peak    | 0    | 21,00 |
| Limit point        | 1220 | 20,77 |
| No load Max        | 1640 | 0,64  |
| Standstill Nominal | 0    | 13,57 |
| Utilizable         | 1400 | 12,85 |
| No load Max        | 1640 | 0,64  |

| Controller                 |          |     |
|----------------------------|----------|-----|
| Type                       | 48-275   |     |
| Nominal voltage            | 48       | VDC |
| continuos 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 7     | Inch |
| For shaft diameter | 16        | mm   |
| Weight             | 1,0       | kg   |
| Type               | Pin Drive |      |

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

| Optional:                         |
|-----------------------------------|
| Remote control (wired) including: |
| Joystick                          |
| Battery minitor                   |
| Rudder lever                      |
| Keyswitch                         |

Motordata according to: IEC 60034-1:2022