

BTW1(4006)-Drone Motor

Specifications



Technical Parameters

| | |
|-----------------------------|----------|
| Max Thrust | 2 Kgf |
| Recommended Battery | 6S |
| Recommended Take off Weight | 1-1.2 Kg |
| Total Weight | 84 g |
| Lead Wire Length | 100 mm |

ESC

Reflex Drive D Series
(40A 2S - 6S)

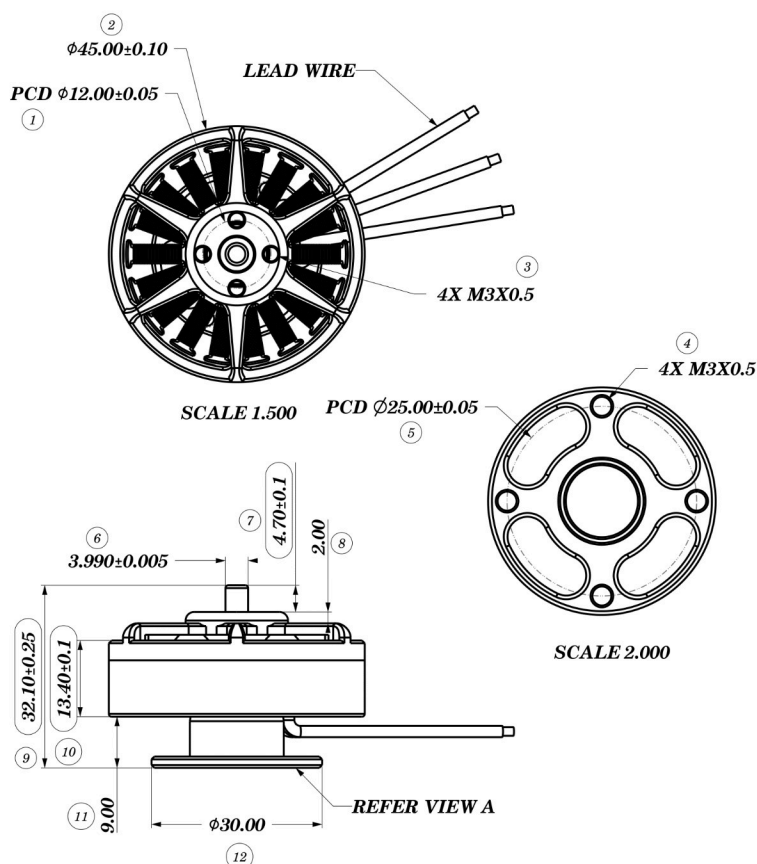
Propeller

Diameter X Thread Pitch R1552

Total Weight 27 g

Motor

| | |
|--------------|----------------|
| Stator Size | Ø40 X 06 mm |
| KV Rating | 400 KV |
| Motor Size | Ø45 X 32.10 mm |
| Max Power | 380 W |
| Peak Current | 16 A |



Load Performance Parameters

| Performance Test | | | | | | | | | | | |
|-------------------------|--------------------------------------|-----------|-----------------------|-------------|-----------------------|-------|---------------|-----------------|---------|------------|------------------|
| Model | ESC | Propeller | Power Source | Voltage (V) | Throttle % (800-2000) | Servo | Power (W) O/L | Current (A) O/L | RPM O/L | Thrust (g) | Efficiency (g/w) |
| BTW1 400KV (4006) | Reflex Drive D series (40A 2S-6S) | R1552 | DC Supply (24V-DC) | 24 | 54 | 1445 | 48 | 2.0 | 3457 | 576 | 12.0 |
| | | | | | 62 | 1542 | 96 | 4.0 | 4295 | 943 | 9.8 |
| | | | | | 69 | 1622 | 144 | 6.0 | 4845 | 1219 | 8.5 |
| | | | | | 75 | 1695 | 192 | 8.0 | 5331 | 1443 | 7.5 |
| | | | | | 80 | 1758 | 240 | 10.0 | 5733 | 1672 | 7.0 |
| | | | | | 85 | 1821 | 288 | 12.0 | 6088 | 1901 | 6.6 |
| | | | | | 90 | 1875 | 336 | 14.0 | 6350 | 2049 | 6.1 |
| | | | | | 97 | 1967 | 391 | 16.3 | 6561 | 2219 | 5.7 |

The above bench test data are for reference only and tested at ambient room temperature at MSL. Actual data might vary based on environmental and field conditions.

