REFLEX® DRIVE

MADE IN INDIA

FPV SERIES




# RD 2810

## FPV Drone Motor

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Email: sales@reflexdrive.in  Sales: +91 9151118036  www.reflexdrive.in  Lucknow, Hyderabad

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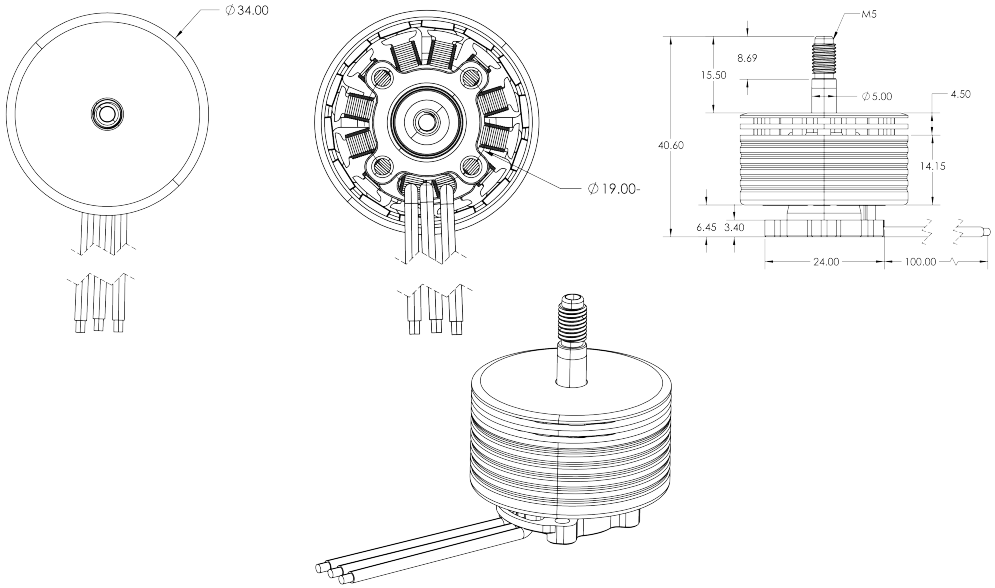

# RD 2810

## FPV Drone Motor

- The RD 2810 is a high-performance outrunner motor optimized for FPV drones.
- It delivers smooth throttle response, high efficiency, and reliable power for agile flight.
- Lightweight yet robust, it's ideal for 4S–6S LiPo setups, offering precise control and consistent thrust.

### PRODUCT DRAWING

Note: All dimensions in mm




## Specifications

| Product name | RD 2810 FPV DRONE MOTOR |
|---|---|
| **Recommended Propeller** | **RD 8040** |
| Country of Origin | India |
| Motor Type | Outrunner |
| KV Rating | 1250 KV |
| Maximum Thrust | 2 KG |
| Maximum Power | 1237 W |
| Peak Current | 61.65A |
| Weight (Incl. Wire) | 82 grams |
| Voltage Range | 24V , 6S LiPO |
| Motor Size | Ø34mm x 40 mm |
| Stator Size | Ø28 mm x 10 mm |
| Cable Length | 100 mm |
| Cable Type | 16 AWG |
| Magnet Temperature Rating | 150 ℃ |
| Shaft Diameter | Ø5 mm |
| Winding Material | 100% Copper |
| IP Rating | IP34 |
| Maximum Operating Temperature | 60 ℃ |
| Production Status | Production |

**Note :** MAXIMUM THRUST MAY DEPEND ON BATTERY LEVEL , PROPELLER TYPE , AIR PRESSURE AND OTHER CONDITIONS.

**Recommendations :**

Recommended Propeller: RD 8040

Recommended ESC: RD D-Pro V3 ESC 4S-6S 60A

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MOTOR : RD-MI-2810 FPV
ESC : RD D-Pro V3 ESC , 4S-6S , 60A
Propeller : RD 8040
Power Source : 6S LiPO

| Throttle % | Servo | Current (A) | Power (W) | RPM | Thrust | Efficiency (g/W) |
|---|---|---|---|---|---|---|
| 10 | 1445 | 2 | 48 | 6162 | 250 | 5.2 |
| 20 | 1542 | 4 | 96 | 7814 | 400 | 4.2 |
| 30 | 1622 | 6 | 144 | 8849 | 563 | 3.9 |
| 40 | 1695 | 8 | 192 | 9735 | 684 | 3.6 |
| 50 | 1758 | 10 | 240 | 10553 | 805 | 3.4 |
| 60 | 1821 | 12 | 288 | 11171 | 903 | 3.1 |
| 70 | 1875 | 14 | 336 | 11755 | 968 | 2.9 |
| 80 | 1967 | 16 | 384 | 12160 | 1068 | 2.8 |

NOTE : Performance data tested at approximately 35°C and 123m above sea level in Lucknow, India.

- Ambient Temperature : Approximately 35°C.
- Altitude: 123 meters above sea level (Lucknow, India)

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