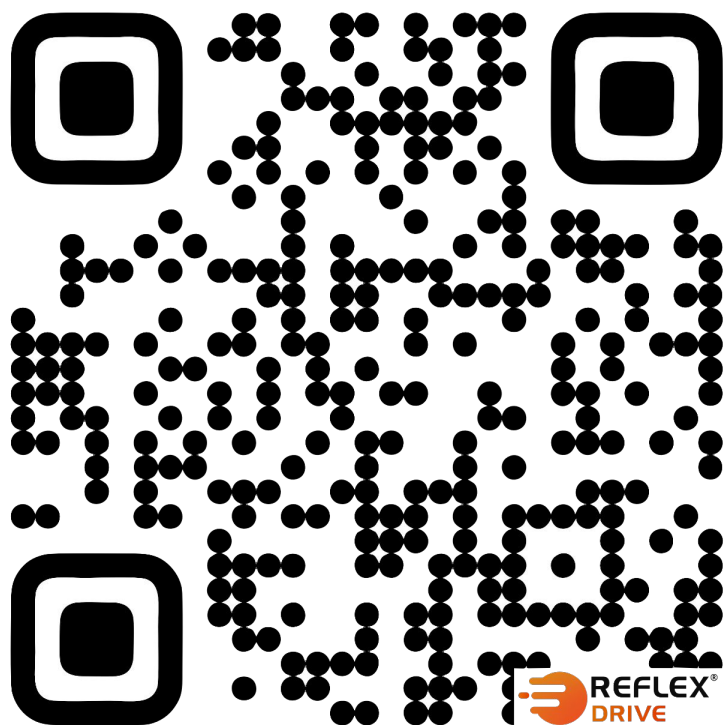




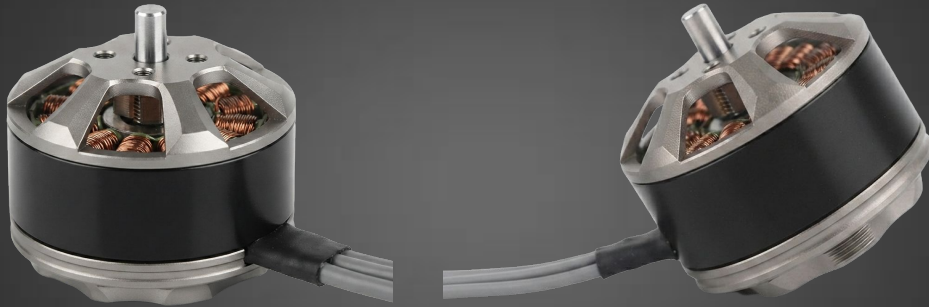
MADE IN INDIA 



RD 3010

Drone Motor





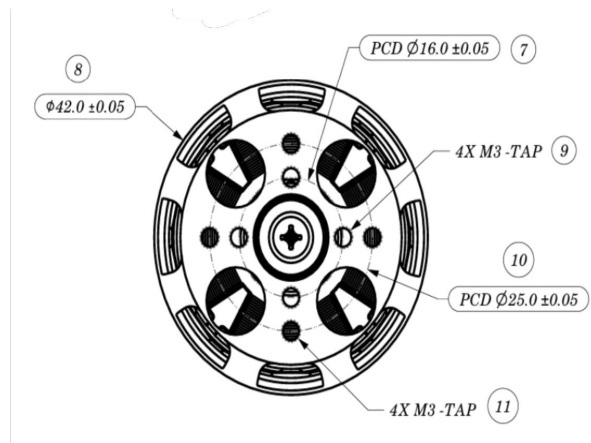
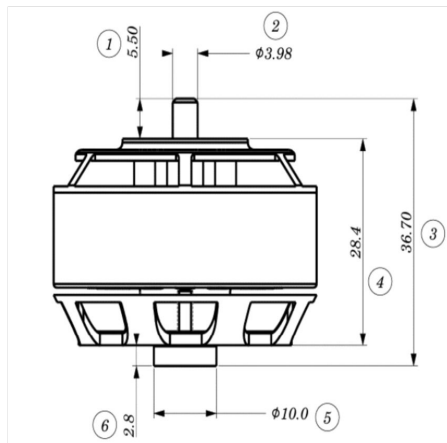
700 kv
KV RATING

128 g
Total WEIGHT

2.5 kgf
MAX THRUST

PRODUCT DRAWING

Note: All dimensions in mm



Specifications

Product name	RD 3010 DRONE MOTOR
Country of Origin	India
Max Thrust	2.5kgf
Recommended Battery	6S
Recommended Take off weight	1-1.2kg
Total weight	128 g
Lead wire length	600mm
Stator size	Ø30x10mm
Kv rating	700 kv
Motor Size	Ø42x36.70mm
Max power	520W
Peak current	32A

Motor : RD3010
 ESC : 60A (6S-12S)
 Propeller : 14"x4.8 CF
 Power Supply : 18V-DC supply
 KV : 700

Performance Test - 1

Throttle% (1000-2000)	Servo	Voltage (V)	Current (A) O/L	Power (W) O/L	RPM O/L	Thrust (g)	Efficiency (g/w)
36	1355	18	2.06	37	3497	390	10.48
44	1439	18	4.00	72	4430	668	9.29
50	1500	18	6.12	109	5058	900	8.22
55	1551	18	8.16	145	5564	1102	7.59
59	1594	18	10.11	179	5956	1275	7.11
63	1633	18	12.08	213	6310	1443	6.76
63	1633	18	12.10	214	6296	1439	6.73
67	1670	18	14.06	247	6613	1595	6.45
71	1705	18	16.11	282	6889	1736	6.15
74	1738	18	18.17	317	7136	1868	5.90
77	1771	18	20.14	349	7351	1987	5.69
80	1803	18	22.18	383	7551	2108	5.51
83	1834	18	24.35	418	7740	2216	5.30
86	1858	18	26.09	446	7872	2308	5.17
89	1888	18	28.26	481	8067	2411	5.01
92	1916	18	30.18	511	8186	2495	4.89
92	1916	18	30.11	509	8177	2489	4.89
100	2000	18	30.59	517	8211	2503	4.84

Motor : RD3010
 ESC : 60A (6S-12S)
 Propeller : 13*8 AERONAUT
 Power Supply : 24V-DC supply

KV : 678
 Power(W)N/L : 24
 Current(A)N/L : 1.0
 RPM N/L : 16275

Performance Test - 2

Throttle% (1000-2000)	Servo	Voltage (V)	Current (A) O/L	Power (W) O/L	RPM O/L	Thrust (g)	Efficiency (g/w)
10	1100	24	0.13	3.03	1238	35.55	11.7
15	1150	24	0.36	8.61	1923	116.47	13.5
20	1200	24	0.80	19.22	2554	150.55	7.8
25	1250	24	1.41	33.78	3199	300.76	8.9
30	1300	24	2.27	54.40	3708	403.08	7.4
35	1350	24	3.20	76.80	4141	503.80	6.6
40	1400	24	5.18	124.38	4905	742.38	6.0
45	1450	24	6.92	166.00	5392	907.78	5.5
50	1500	24	8.79	210.90	5808	1069.65	5.1
55	1550	24	10.98	263.49	6203	1232.56	4.7
60	1600	24	12.86	308.58	6502	1365.03	4.4
65	1650	24	17.80	427.11	7101	1662.52	3.9
70	1700	24	21.26	510.14	7431	1834.85	3.6
75	1750	24	25.38	609.11	7731	2005.97	3.3
80	1800	24	29.27	702.49	7970	2145.05	3.1
85	1850	24	33.03	792.69	8176	2224.53	2.8
90	1900	24	37.94	910.47	8286	2315.98	2.5
95	1950	24	41.43	994.42	8437	2406.82	2.4
100	2000	24	48.55	1165.08	8595	2509.89	2.2