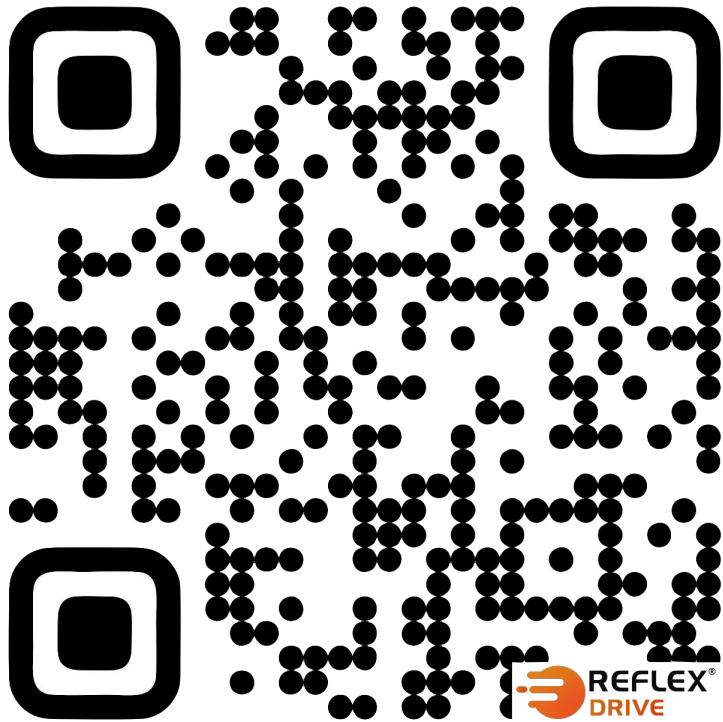




MADE IN INDIA 



RD 3113

FPV Drone Motor





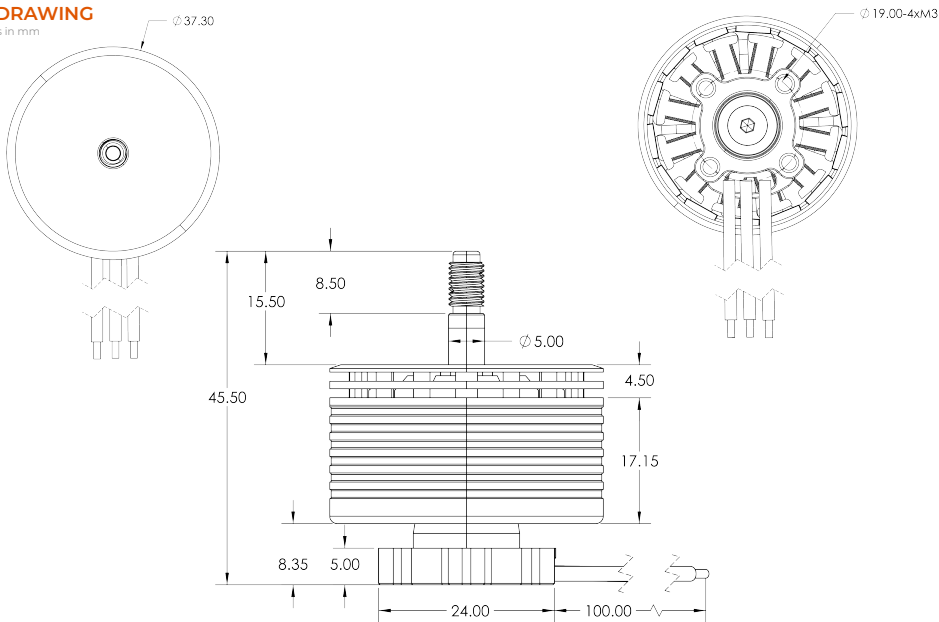
RD 3113

FPV Drone Motor

- The RD MI-3113 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 3113 FPV DRONE MOTOR
Country of Origin	India
Motor Type	Outrunner
KV Rating	900 KV
Maximum Thrust	1850 g
Maximum Power	731 W
Peak Current	31.81 A
Weight (Incl. Wire)	96 grams
Voltage Range	24V , 6S LiPo
Motor Size	Ø37mm x 48 mm
Stator Size	Ø31 mm x 13 mm
Cable Length	100 mm
Cable Type	16 AWG
Magnet Temperature Rating	150 °C
Shaft Diameter	Ø5 mm
Winding Material	100% Copper
IP Rating	Ip34
Maximum Operating Temperature	60 °C
Production Status	Production

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

Recommendations :

Recommended Propeller: RD 8040 (3 blade)
Recommended ESC: D-Pro V3

MOTOR : RD 3113 FPV
ESC : RD D-Pro V3
Propeller : RD 8040(3 blade)
Power Source : SMPS 24V

Throttle %	Servo (1050-1950)	Voltage (V)	Current (A)	Power (W)	RPM	Thrust (g)	Temperature Motor(°C)	Efficiency (g/w)	Max temperature (°C)
0.0%	1050	24.05	0	0	0	0	35.7°C	0	Max temperature after turn off the Power supply Motor:110.8°C
5.6%	1100	24.02	0.36	8.6	1636	19	35.8°C	2.2	
11.1%	1150	24.02	0.74	17.9	2594	48	36.°C	2.7	
16.7%	1200	24.02	1.17	28.1	3681	95	36.2°C	3.4	
22.2%	1250	23.99	1.68	40.3	4652	155	36.4°C	3.8	
27.8%	1300	23.97	2.35	55.7	5546	219	37.4°C	3.9	
33.3%	1350	23.93	3.32	79.1	6545	316	38.5°C	4.0	
38.9%	1400	23.91	4.41	106	7471	421	40.3°C	4.0	
44.4%	1450	23.88	5.62	134	8236	520	42.°C	3.9	
50.0%	1500	23.82	7.13	171	9074	642	43.2°C	3.8	
55.6%	1550	23.77	8.77	209	9829	755	46.7°C	3.6	
61.1%	1600	23.74	10.54	250	10543	870	52.8°C	3.5	
66.7%	1650	23.68	12.63	299	11264	998	55.2°C	3.3	
72.2%	1700	23.6	14.89	381	11913	1137	58.8°C	3.0	
77.8%	1750	23.48	17.79	417	12546	1284	62.5°C	3.1	
83.3%	1800	23.42	20.42	479	13167	1398	66.4°C	2.9	
88.9%	1850	23.31	23.41	547	13804	1549	73.2°C	2.8	
94.4%	1900	23.21	26.56	616	14336	1699	82.9°C	2.8	
100.0%	1950	23.13	30.78	711	14967	1813	95.2°C	2.5	

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)

MOTOR : RD 3113 FPV
ESC : RD D-Pro V3
Propeller : RD 8*3.7(3Blade)
Power Source : SMPS 24V

Throttle %	Servo (1050-1900)	Voltage (V)	Current (A)	Power (W)	RPM	Thrust (g)	Temperature Motor(°C)	Efficiency (g/w)	Max temperature (°C)
0.0%	1050	24.05	0.1	2.6	0	0	24.5°C	0.0	Max temperature after turn off the Power supply Motor:128.9°C
5.6%	1100	24.05	0.46	11.1	1454	14	24.°C	1.3	
11.1%	1150	24.05	0.76	17.6	2615	38	23.6°C	2.2	
16.7%	1200	24.03	1.13	27.3	3718	73	24.7°C	2.7	
22.2%	1250	24	1.68	40.1	4704	120	26.6°C	3.0	
27.8%	1300	23.99	2.28	54.1	5611	172	29.8°C	3.2	
33.3%	1350	23.96	3.2	76.7	6644	245	32.4°C	3.2	
38.9%	1400	23.93	4.5	107.6	7654	342	38.8°C	3.2	
44.4%	1450	23.88	5.56	133	8448	426	42.6°C	3.2	
50.0%	1500	23.85	6.86	163	9237	513	45.°C	3.1	
55.6%	1550	23.82	8.1	193	10022	614	49.6°C	3.2	
61.1%	1600	23.74	10.12	240	10735	712	56.3°C	3.0	
66.7%	1650	23.71	12.22	289	11433	818	62.1°C	2.8	
72.2%	1700	23.64	14.35	343	12211	924	66.2°C	2.7	
77.8%	1750	23.54	17.2	405	12875	1088	72.1°C	2.7	
83.3%	1800	23.44	19.38	454	13533	1178	77.5°C	2.6	
88.9%	1850	23.34	22.73	530	14191	1302	85.8°C	2.5	
94.4%	1900	23.24	26	604	14763	1452	99.6°C	2.4	
100.0%	1950	23.1	30.38	706	15546	1533	118.3°C	2.2	

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)

MOTOR : RD 3113 FPV
ESC : RD D-Pro V3
Propeller : RD 9*4.7(2Blade)
Power Source : SMPS 24V

Throttle %	Servo (1050-1900)	Voltage (V)	Current (A)	Power (W)	RPM	Thrust (g)	Temperature Motor(°C)	Efficiency (g/w)	Max temperature (°C)
0.0%	1050	24.05	0.1	2.6	0	0	28.1°C	0.0	Max temperature after turn off the Power supply Motor:163°C
5.6%	1100	24.05	0.46	11.1	1456	26	27.9°C	2.3	
11.1%	1150	24.05	0.77	18.6	2596	70	27.6°C	3.8	
16.7%	1200	24.02	1.23	29.4	3639	130	28.9°C	4.4	
22.2%	1250	24	1.82	43.9	4604	205	31.9°C	4.7	
27.8%	1300	23.97	2.66	63.8	5461	291	34.6°C	4.6	
33.3%	1350	23.94	3.53	84.1	6330	390	40.6°C	4.6	
38.9%	1400	23.91	4.75	113	7159	508	45.1°C	4.5	
44.4%	1450	23.85	6.32	150	7997	647	49.7°C	4.3	
50.0%	1500	23.8	8.11	193.1	8814	760	56.5°C	3.9	
55.6%	1550	23.77	10.93	257	9589	912	62.4°C	3.5	
61.1%	1600	23.7	12.17	288	10220	1045	71.3°C	3.6	
66.7%	1650	23.62	14.62	346	10823	1173	80.4°C	3.4	
72.2%	1700	23.5	17.62	414	11454	1315	90.1°C	3.2	
77.8%	1750	23.4	20.4	477	12077	1454	101.1°C	3.0	
83.3%	1800	23.31	23.42	545	12620	1580	115.6°C	2.9	
88.9%	1850	23.21	26.76	621	13068	1724	133.1°C	2.8	
94.4%	1900	23.1	30.33	790	13552	1870	148.5°C	2.4	
100.0%	1950	22.91	35.34	810	14173	2057	152.7°C	2.5	

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)