

U5

Item No.	Volts (V)	Prop	Throttle	Amps (A)	Watts (W)	Thrust (g)	RPM	Efficiency (g/W)	Operating temperature(°C)
U5 KV400	22.2	T-MOTOR 14*4.8CF	50%	3.4	76	800	4300	10.53	45
			65%	6.3	140	1200	5400	8.57	
			75%	8.5	192	1500	5900	7.81	
			85%	11.4	255	1820	6500	7.14	
			100%	13.7	301	2030	6950	6.74	
		T-MOTOR 15*5CF	50%	4.3	87	990	4200	11.38	50
			65%	7.9	177	1490	5200	8.42	
			75%	11.6	254	1900	5700	7.48	
			85%	14.5	322	2220	6200	6.89	
			100%	17.2	376	2480	6500	6.60	
		T-MOTOR 16*5.4CF	50%	5.2	117	1200	4050	10.26	59
			65%	9.4	210	1750	4850	8.33	
			75%	13	288	2120	5400	7.36	
			85%	16.9	372	2650	5850	7.12	
			100%	20	437	2850	6250	6.52	

Notes: The test condition of temperature is motor surface temperature in 100% throttle while the motor run 10 min.



7-MOTOR
HIGH PERFORMANCE BRUSHLESS MOTORS



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US

Why is Born of U-power

With Multirotors widely used in many fields. There are more requirements for high quality power system focusing on Unparalleled

reliability, durability, high power and high efficiency. Further more the working environment of motor is considered. The motor must operate in extreme climate conditions, so the performance must be designed waterproof and dirt resistant. **THIS IS WHY U-POWER WAS BORN.** To meet the customer's rigorous demands we started development of U-Power in 2011. Today, with 18 months of research and development we release  for UAV market.

Tiger Motors have two series of U-Power motors for different customer requirements. Possible uses for both are photography, video, inspection, security, surveillance, scientific research and mapping. It is yours choice which motor will work best for you.

1. Power Series :U3 U5 U7 U11
2. Efficiency Series :U6 U8 which are focused on Long Flight time.



Germany engineered Design

- Be Simple
- Be Mature and Generous
- Be Natural product
- The Art of Achieving Perfection in Performance
- Solid Black Metallic surface





Self-cooling system (Patent protected)

The housing has unique cooling holes that while running pump 2.5 times more air through the motor than our MT and MN series.



Options for three mounting prop method.
(patent protected)



Adapter for 8mm size prop



1.5KG level

Voltage :6S

Recommended prop:

15**5 or 16*5.4 T- motor CF prop

Take-off Weight of copter:

Hexrcopter 9KG

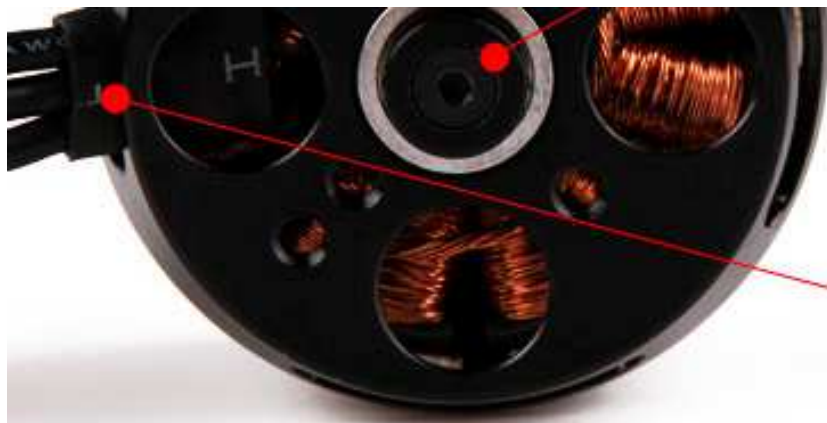
Octocopter 12KG



T-MOTOR
THE SAFEST PROPULSION SYSTEM

Abnormal shape shaft design to
avoiding loose.





By combining the tight outlet
cable way of MT and MN series

To ensure 100% qualified motor, our inspection process
of the U-Power motor is taken by military test standard.



T-MOTOR
THE SAFEST PROPULSION SYSTEM

CRAFTSMEN HAND BUILD WINDINGS

Single thick copper wire winding

Reduce the energy consumption
of the motor



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THE SAFEST PROPULSION SYSTEM



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THE SAFEST PROPULSION SYSTEM



----Copper wire

-----Oxygen-free copper wire temperature of 180 degrees is used in winding the motors to enhance resistance to short circuit.

-----Bearing This Germany Bearing is three times bigger than EZO bearing.

Features:-----Long life :MTBF(Mean time between failure):160 Hours

-----Running smooth

-----Silence Sounds

-----Housing Material

Features-----High hardness aluminum front and rear housing is more durable.

-----CNC Machined high aluminum front and rear housing with cooling holes not only pump air through the motor and also waterproof and resistance sand while it runs.



---Silicon steel sheet



T-MOTOR
THE SAFEST PROPULSION SYSTEM

Features: All the stators of our motor are made with high level 0.2mm laminations for maximum efficiency and minimum eddy current loss, which is better than the MN and MT series motor. High quality stator plates are epoxy coated on the inner surface to prevent winding shorts

U5

**Waterproof,
Dirt resistant**



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THE SAFEST PROPULSION SYSTEM