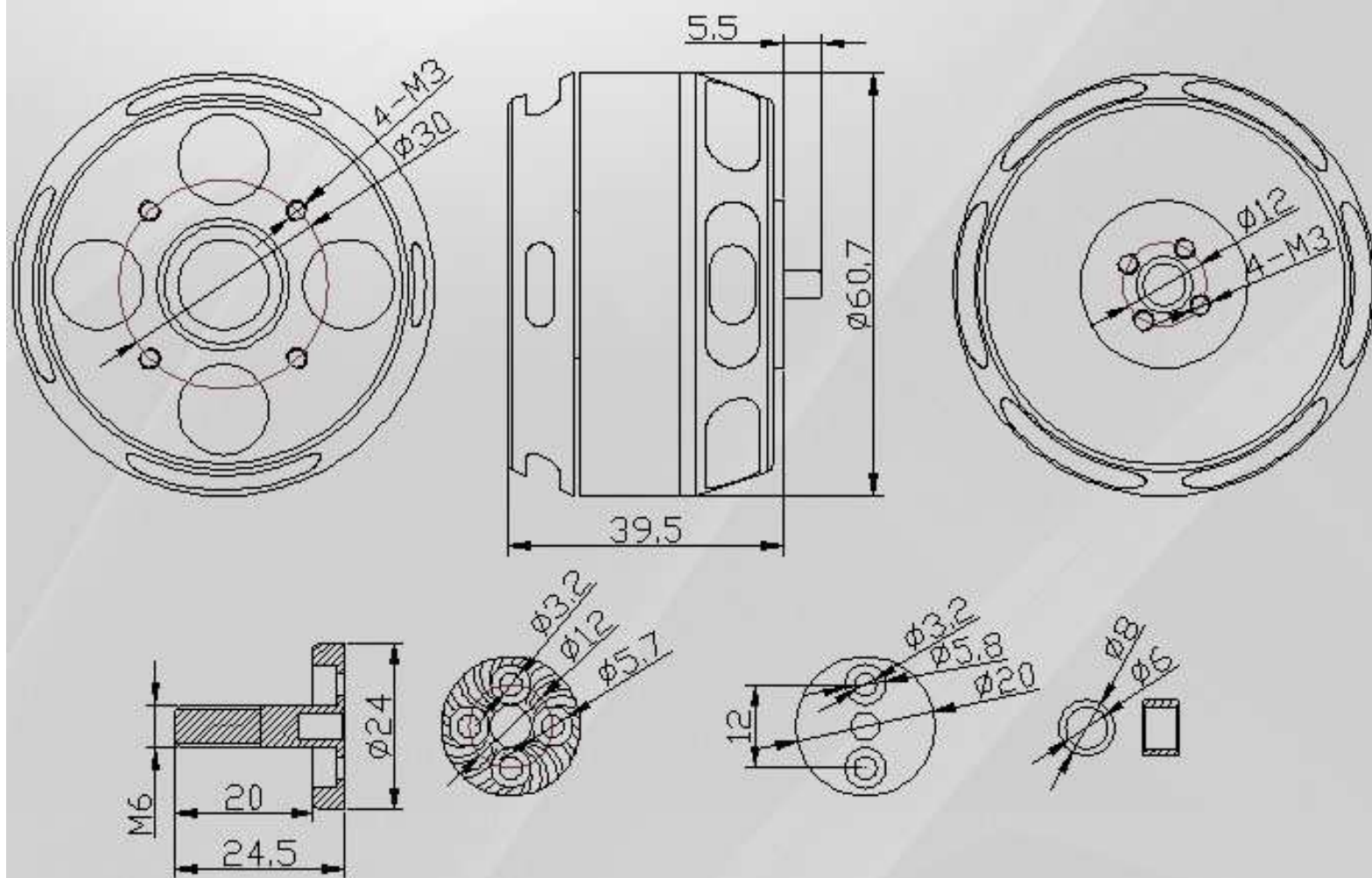




Z-MOTOR
HIGH PERFORMANCE BRUSHLESS MOTORS

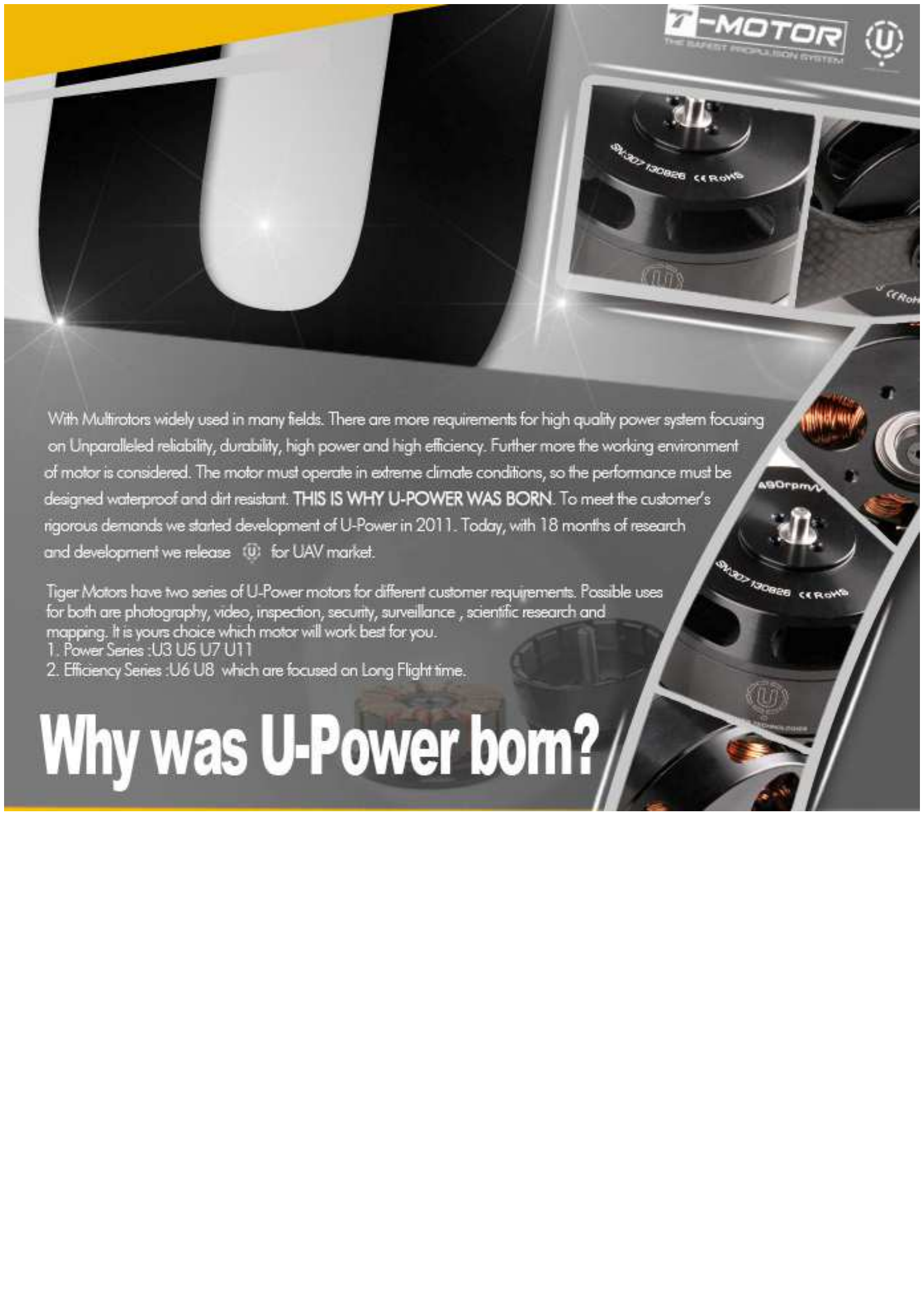


U7

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

Item No.	Volts (V)	Prop	Throttle	Amps (A)	Watts (W)	Thrust (g)	RPM	Efficiency (g/W)	Operating temperature(°C)
U7 KV490	22.2	T-MOTOR 15*5CF	50%	9.3	208	1600	5300	7.69	46
			65%	18	390	2400	6600	6.15	
			75%	25.6	550	3060	7500	5.56	
			85%	33.3	715	3680	8100	5.15	
			100%	39.8	839	4100	8500	4.89	
		T-MOTOR 16*5.4CF	50%	10.3	229	1800	5100	7.86	48
			65%	19.5	424	2600	6200	6.13	
			75%	26.6	573	3220	6840	5.62	
			85%	35.2	746	3860	7420	5.17	
			100%	48.1	989	4620	8000	4.67	
		T-MOTOR 17*5.8CF	50%	12.6	279	2100	4840	7.53	51
			65%	23.9	516	3200	5860	6.20	
			75%	32.3	688	3800	6400	5.52	
			85%	42.4	885	4400	6900	4.97	
			100%	55.9	1133	5100	7500	4.50	
		T-MOTOR 18*6.1CF	50%	15	330	2420	4620	7.33	55
			65%	27.9	613	3500	5600	5.71	
			75%	37.5	781	4200	6200	5.38	
			85%	47.3	971	4680	6700	4.82	
			100%	62.7	1241	5250	6900	4.23	
	14.8	T-MOTOR 17*5.8CF	50%	7.1	103	1100	3500	10.68	44
			65%	12.9	189	1720	4300	9.10	
			75%	18.5	264	2190	4900	8.30	
			85%	24.7	346	2600	5300	7.51	
			100%	30.3	417	3000	5640	7.19	
		T-MOTOR 18*6.1CF	50%	8.4	124	1280	3420	10.32	45
			65%	15.6	225	2020	4200	8.98	
			75%	21.8	308	2500	4650	8.12	
			85%	29	401	2900	5100	7.23	
			100%	34.6	470	3240	5370	6.89	

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



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 (U) 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.

Why was U-Power born?

T-MOTOR
THE SAFEST PROPULSION SYSTEM



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

Germany engineered Design



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 two mounting prop method.
(patent protected)



Adapter for 8mm size prop



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.



The coaxiality of the shaft the oscillating
amplitude of Shaft section
shaft extension length of the shaft
rotor outer diameter

3KG lever

Voltage :6S

Recommended prop:

17*5.8 or 18*6.1 T- motor CF prop

Take-off Weight of copter:

Hexcopter 18KG

Octocopter 24KG



T-MOTOR
THE SAFEST PROPULSION SYSTEM





CRAFTSMEN HAND BUILD WINDINGS

Single thick copper wire winding
Reduce the energy consumption of
the motor



----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.



T-MOTOR
THE SAFEST PROPULSION SYSTEM



---laminations

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

U7

**Waterproof
Dirt Resistant**



T-MOTOR
THE SAFEST PROPULSION SYSTEM



Z-MOTOR
HIGH PERFORMANCE BRUSHLESS MOTORS



Z-MOTOR
HIGH PERFORMANCE BRUSHLESS MOTORS



U-POWER TECHNOLOGIES

SN: 307130526 CE RoHS

57.430rpm/V Made in China

7-MOTOR
HIGH PERFORMANCE BRUSHLESS MOTORS

