



# RK-500TD

OUTPUT: APPROX 0.1~10W

Carbon-brush motors

代表的用途: 扫地器风机、扫地器左右轮

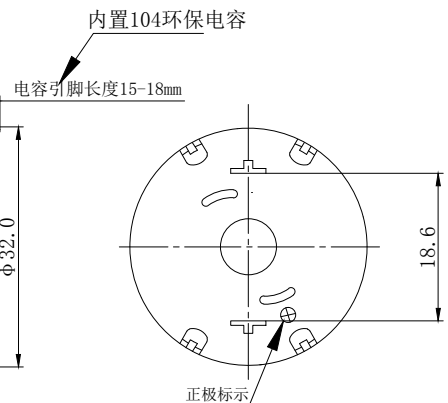
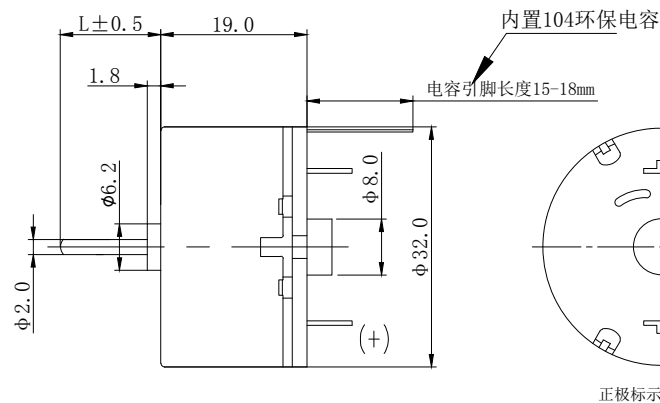
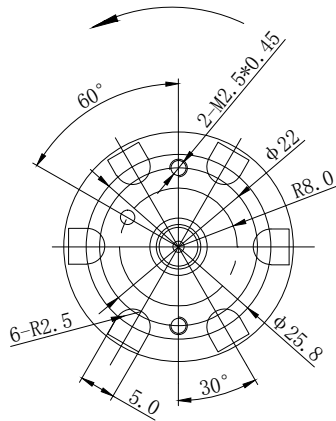
Sweeping fan, The Sweeper Wheel is left and right



MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY				STALL	
	OPERATING RANGE	NOMINAL	SPEED r/min	CURRENT A	SPEED r/min	CURRENT A	TORQUE mN.m	OUTPUT W	TORQUE g.cm	CURRENT A
RK-500TD-16350	12-17V	14.0V	10000	0.056	8922	0.252	2.54	2.35	168	1.38
RK-500SD-15380	12-17V	15.0V	9107	0.059	7412	0.258	1.08	2.30	215	1.13

UNIT: MILLIMETERS

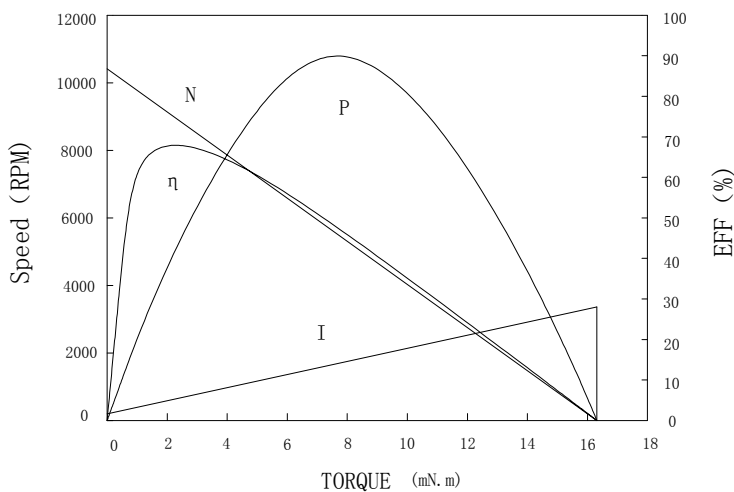
旋转方向  
Direction Of Rotation



WEIGHT: 37g (APPROX)

RK-500TD-16350

14.0V



At No Load

Speed: 10553 RPM  
Current: 0.046 AMPS

At stall (Extrapolated)

Torque: 16.46 mN.m  
Current: 1.376 AMPS

At maximum efficiency

Efficiency: 66.8 %  
Torque: 2.543 mN.m  
Speed: 8922 RPM  
Current: 0.252 AMPS  
Output: 2.35 Watts

At maximum Power output

Output: 4.501 Watts  
Torque: 8.228 mN.m  
Speed: 5641 RPM  
Current: 0.67 AMPS

Characteristics

Torque constant  $K_t$ : 12.369 mN.m/APM  
E. M. F. constant  $E_c$ : 12.369 mV/rad/sec  
Dynamic resistance: 10.1713 Ohms  
Motor regulation  $M_r$ : 641.28 RPM/mN.m