

PIN5
PIN1
端子型号KRC1000VS00544P9
1.0mm间距Pitch

技术要求Technical requirements:

- 轴长Length of shaft: 11.5mm;
- 虚位The axial play: 0.1~0.50mm;
- 马达性能Performance: 测试电压Test voltage: 12VDC;
空载性能: 电流: 0.37A Max, 转速: 16000 ± 10% RPM;
No load performance: current 0.37A Max, speed 16000 ± 10% RPM;
负载性能: 电流: 1.62A Max, 转速: 12200 ± 10% RPM;
On load performance: current: 1.62A Max, speed: 12200 ± 10% RPM;
负载扭力Torque: 30 g.cm, 测试风叶 长*宽*厚 50L*20W*T2.0;
On load Torque : 30g.cm, Test fan Length*width*Thickness 50L*20W*T2.0;
- 马达噪音: 空载时没有异音; Noise : No abnormal voice;
- 打标内容在壳中间位置调整一致;
Laser marked on the middle of the housing must be uniform;
- 寿命方式: 带额定负载30g.cm 60S on 15S off, 运行时间1000h MIN;
Life test: with rated loaded 30g.cm 60S on 15S off, the total running time:1000h MIN,
Nominal load tested with cord/roll;
测试环境: 温度20 ± 5°C, 测量读数为10S内;
Measurements above are valid for a temperature between 20 ± 5°C, Measured readings are within 10s.

Wire connection:
1.CW: Red wire is for positive pole
Black,White,Orange wire is for Negative pole
2.CCW:Red wire is for positive pole,
Black,White wire, is for Negative
3.The Yellow wire is the FG signal line
4.Do not reverse the positive and negative poles,
otherwise the motor will burned

PIN1	GND	Ground
PIN2	vcc	DC12V ± 10%
PIN3	FG	0.5V 3max
PIN4	PWM	0~5V
PIN5	CW/CCW	High:OFF/Low:ON

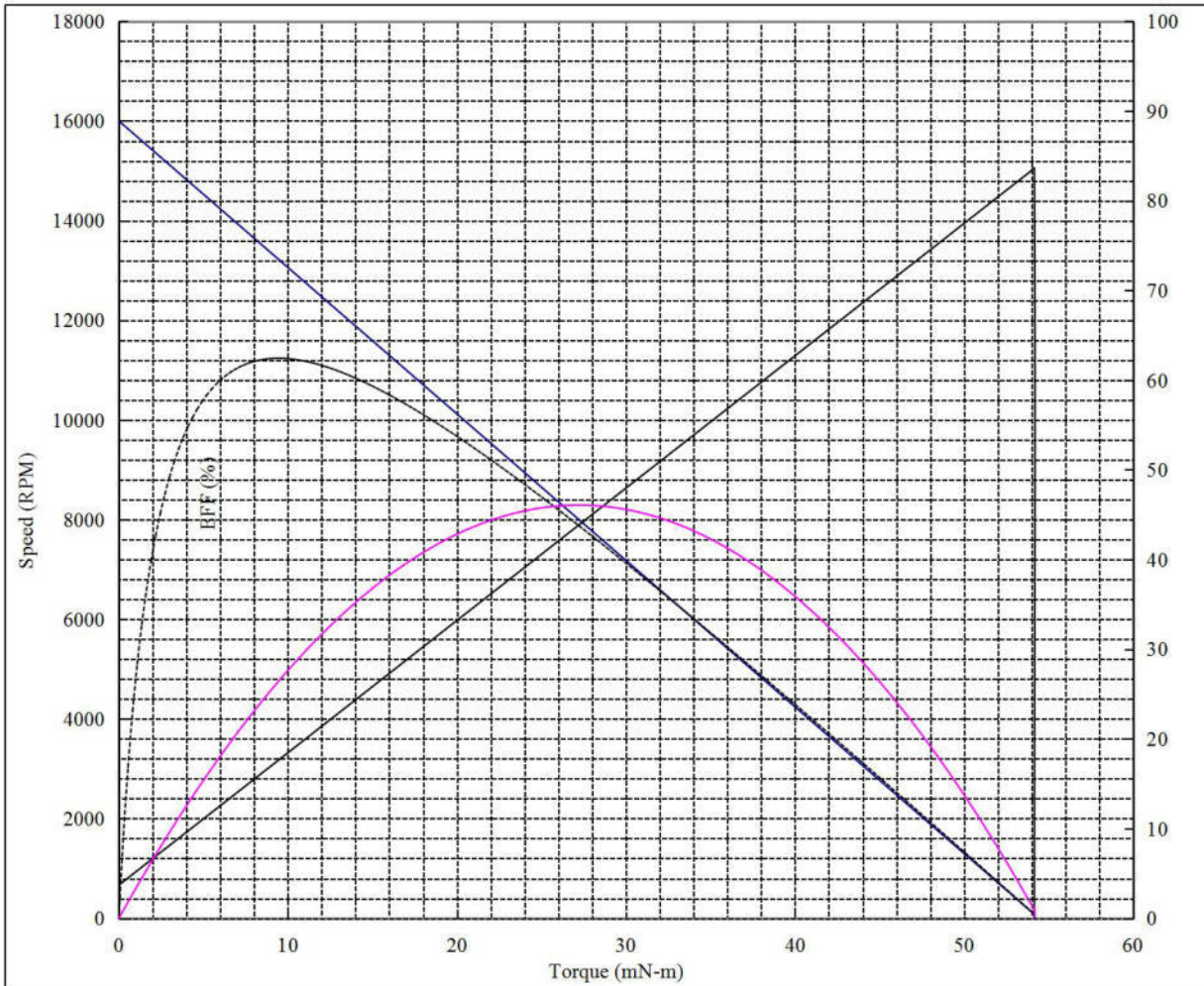
TITLE: 电机外形图		TOLERANCES >0-6.0 ±0.10 >6.0-30.0 ±0.15 >30.0-120.0 ±0.25 ANGLE ±1°	VERSION PAPER SIZE SCALE: UNITS:	E A4 NO SCALE mm
MATERIAL:	MODEL: TW-GB2430	DATE		
		DSGN BY		
		CHKD BY		
		APRD BY		
		PIE BY		
		QA BY		

天沃环球集团有限公司

TEAMWORK GLOBAL GROUP LTD

Project No.: Motor characteristics curve
 No. : HC055
 Model : GB2430

Date : 09/17/20
 Full scale : ——— 100 % Eff
 - - - - - 50.0 Watts
 - - - - - 10.0 Amp.



Performance (in an ambient temperature of 25-30 ° C)
 Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of : 12.00 Volts
 Direction CW/CCW

At No Load

Speed : 16000 RPM
 Current : 0.37 AMPS

At stall (Extrapolated)

Torque : 54.43 mN-m
 Current : 8.400 AMPS

At maximum efficiency

Efficiency: 62.4 %
 Torque : 9.442 mN-m
 Speed : 13225 RPM
 Current : 1.763 AMPS
 Output : 13.21 Watts

At maximum Power output

Output : 23.029 Watts
 Torque : 27.215 mN-m
 Speed : 8737 RPM
 Current : 4.02 AMPS

Characteristics

Torque constant : 6.778 mN-m/AMP
 E.M.F. constant : 6.778 mV/rad/sec
 Dynamic resistance: 1.4286 Ohms
 Motor regulation : 293.96 RPM/mN-m

Issued by QA Reliability Testing Center