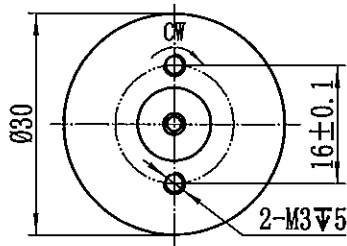
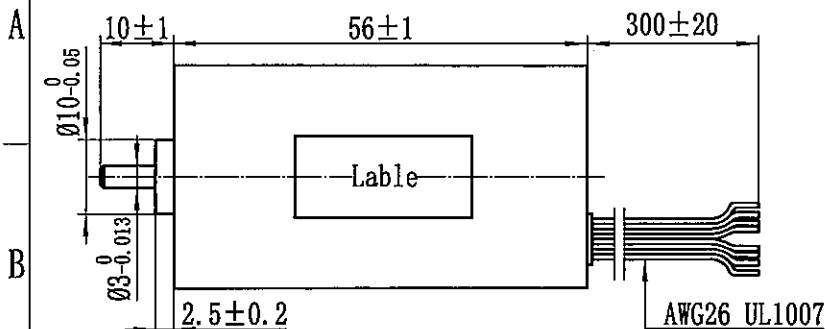


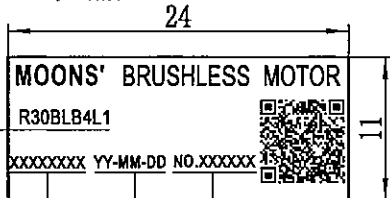
4611130001025

电气连接  
Electric Connection

编号 NO.	线色 COLOR	定义 FUNCTION
1	橙/orange	U
2	绿/green	V
3	棕/brown	W
4	黄/yellow	Hu
5	白/white	Hv
6	蓝/blue	Hw
7	红/red	VCC(+5V)
8	黑/black	GND



电机铭牌 Label Detail



Motor Type R30BLB4L1

加工单号 Date 序号

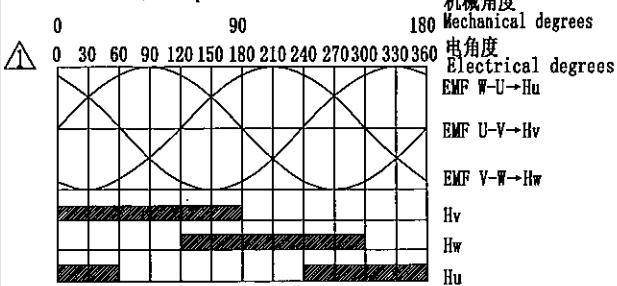
备注：二维码内容包含机种名、生产日期和序列号。

保 密

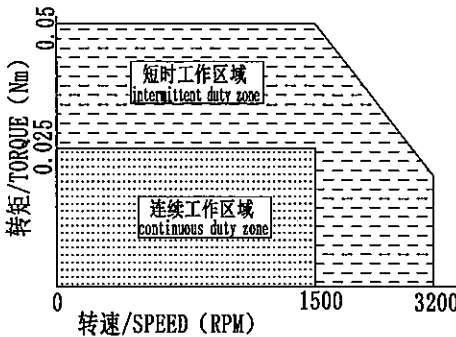
规格  
Specifications

1	额定电压/Rated power supply	12	VDC
2	额定输出功率/Rated output power	4	W
3	极数/poles number	4	
4	相数/Phase number	3	
5	额定转速/Rated rotational speed	1500	RPM
6	最大转速/Maximum speed	3200	RPM
7	额定转矩/Rated torque	0.025	Nm
8	额定电流/Rated winding current	0.7	A
9	线反电势系数/Voltage constant±10%	2.4	Vrms/krpm
10	惯量/Moment of inertia	3.062×10 <sup>-4</sup>	kg·m <sup>2</sup>
11	线电阻Ph/ph resistance±10% at 20℃	6	Ω
12	线电感Ph/ph inductance±30% at 1KHz 20℃	6.7	mH
13	电机质量/Motor mass	0.166	kg
14	绝缘等级/Insulation class	B	130℃
15	防护等级/Protective enclosure rating	IP40	

线反电势与霍尔相位关系图（顺时针）  
Relation between phase EMF's and hall sensor outputs at CW



转矩-转速特性  
Torque-speed specifications



Unit: mm  
第一角画法  
FIRST ANGLE METHOD  
未注线性与角度尺寸公差  
Tolerances for linear and angular dimensions without individual tolerance indications  
GB/T 1804-m eqv ISO 2768-1:m  
未注形状与位置尺寸公差  
Geometrical tolerance for features without individual tolerance indications  
GB/T 1184-K eqv ISO 2768-2:K

批准 Approve	加金林	10.31
标准化 Standard	徐志杰	10.31
工艺 Technology	曹元	29/10-19
审核 Check	朱红彬	10.28
设计 Design	李泽炜	2019-10-14

**MOONS'**  
BRUSHLESS DC MOTOR  
Shanghai Moons' Electric Co., Ltd.  
This document is released for information only. Its reproduction in whole or in part or its dissemination to third parties is prohibited. All trademarks and registered trademarks appearing on this document are the property of their respective owners.

B	铭牌变更:线反电势系数 3.4Vrms/krpm;	2019-10-14
A	原始版本 Original revision	2018-05-22
REV.	版本记录 REVISION RECORD	DATE