

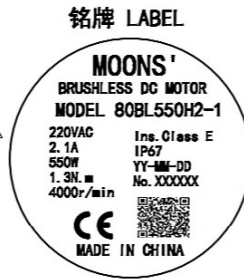
编号 No.	颜色 COLOR	定义 FUNCTION
1	蓝/blue	W
2	橙/orange	U
3	黄/yellow	V

Housing:
MOLEX 43025-0600 (Black)
Terminal:
MOLEX 43030-0001

Housing:
MOLEX 50-29-1662 (Black)
Terminal:
MOLEX 45750-3111

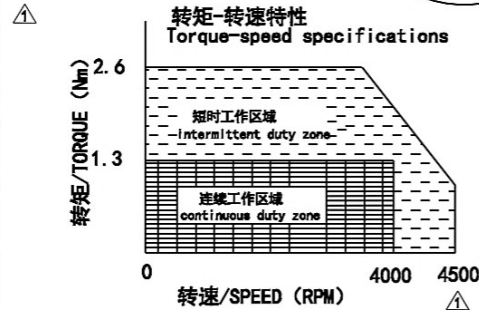


编号 No.	颜色 COLOR	定义 FUNCTION
1	红/red	VCC (+5V)
3	黄/yellow	Hv
4	蓝/blue	Hw
5	黑/black	GND
6	橙/orange	Hu

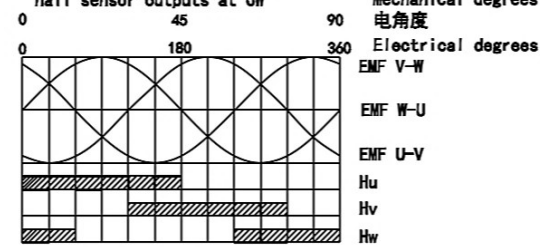


无刷电机规格 BLDC Motor Specifications

1	额定电压/Rated Power Supply	220	VAC
2	额定输出功率/Rated Output power	550	W
3	极数/Poles	6	
4	相数/Phase	3	
5	额定转速/Rated rotational speed	4000	RPM
6	最大转速/Maximum speed	4500	RPM
7	额定转矩/Rated Torque	1.3	Nm
8	额定电流/Rated winding current	2.1	A
9	线反电势/Voltage constant ±10%	38.6	Vrms/krpm
10	惯量/Moment of inertia	1.11 × 10 ⁻⁴	kg·m ²
11	线电阻/Ph/ph resistance ±15% at 20°C	2.3	Ω
12	线电感/Ph/Ph inductance ±30% at 1KHz 20°C	22	mH
13	电机质量/Motor mass	2.69	kg
14	绝缘等级/Insulation class	B	130°C
15	防护等级/Protective enclosure rating	IP67	



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



机械角度
Mechanical degrees
电角度
Electrical degrees
EMF V-W
EMF W-U
EMF U-V
Hu
Hv
Hw

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
标准化 Standardize
工艺 Process Review
审核 Check
设计 Design

MOONS'
moving in better ways

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REV. 版本记录 REVISION RECORD DATE UNLESS OTHERWISE SPECIFIED NAMES SIGNATURE DATE Drawing No: 4611130002337 Rev. A1 SCALE: 1:1.5 Sheet 1 of 1