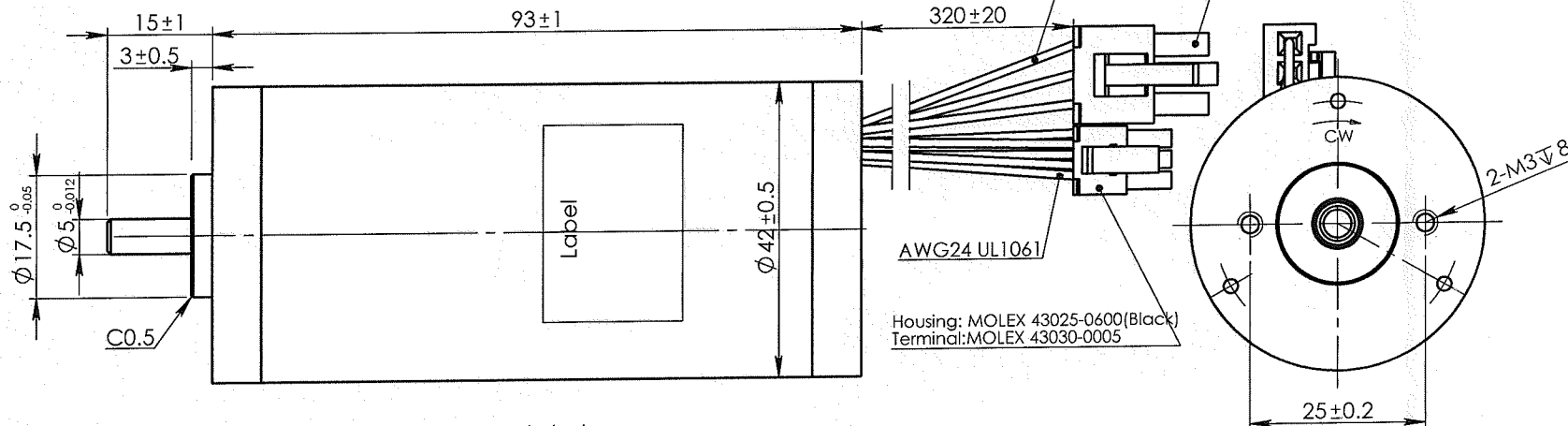
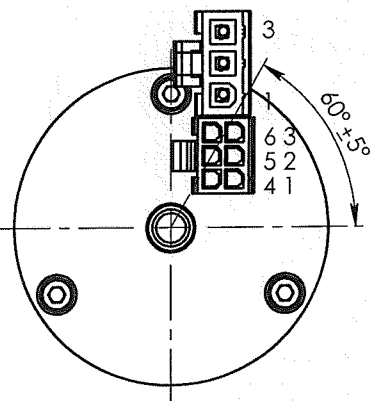


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Label

**MOONS'**  
BRUSHLESS DC MOTOR  
MODEL R42BLD75L2

24VDC      Ins.Class E  
4.8A      IP40  
75W      YY-MM-DD  
0.18Nm      No.XXXXXX  
4000rpm

MADE IN CHINA

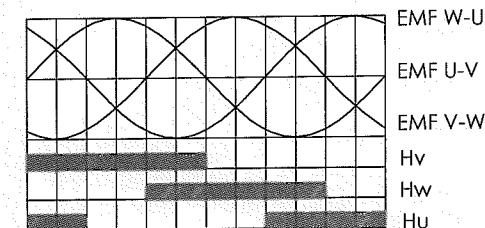
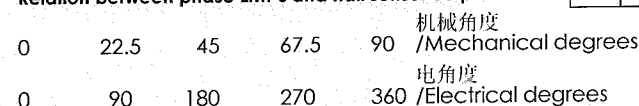
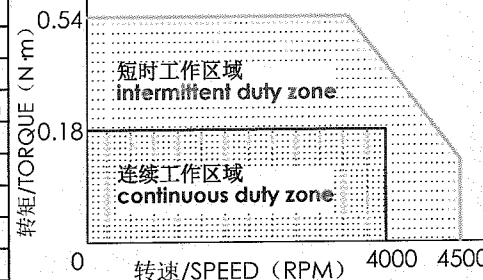
## 规格 Specifications

1	额定电压/Rated power supply	24	VDC
2	额定输出功率/Rated output power	75	W
3	极数/Poles number	8	
4	相数/Phase number	3	
5	额定转速/Rated rotational speed	4000	RPM
6	空载转速/No load speed	4500	RPM
7	额定转矩/Rated torque	0.18	Nm
8	额定电流/Rated winding current	4.80	A
9	线反电势系数/Voltage constant $\pm 10\%$	3.00	Vrms/krpm
10	线电阻Ph/ph resistance $\pm 10\%$ at 20℃	0.50	$\Omega$
11	线电感Ph/ph inductance $\pm 30\%$ at 1KHz 20℃	0.50	mH
12	电机质量/Motor mass	0.70	kg
13	绝缘等级/Insulation class	E	120℃
14	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

编号 No.	颜色 COLOR	定义 FUNCTION
1	蓝/B <sub>L</sub> UE	W
2	橙/ORANGE	U
3	黄/YELLOW	V

### 转矩-转速特性 Torque-speed specifications



编号 No.	定义 FUNCTION	颜色 COLOR
1	VCC (+5V)	红/RED
3	HV	黄/YELLOW
4	HW	蓝/BLUE
5	GND	黑/BLACK
6	HU	橙/ORANGE

G			Unit: mm	批准 Approve			<div style="text-align: center;"> <b>MOONS'</b>  <b>Shanghai Moons' Electric Co., Ltd.</b> </div> <p>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.</p>	Type: R42BLD75L2	Rev. A	SCALE 1:1	Sheet 1 of 1
F			第一角画法 FIRST ANGLE METHOD	标准化 Standard							
E			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	工艺 Technology							
D			未注形状与位置尺寸公差 Geometrical tolerances for features without individual tolerance indications GB/T 1184-K eqv ISO 2768-2 : K	审核 Check							
C				设计 Design							
B											
A	原始版本 Original Revision	2018-5-24									
REV.	版本记录 REVISION RECORD	DATE	UNLESS OTHERWISE SPECIFIED	NAMES	SIGNATURE	DATE					