

A

B

C

D

E

F

A

B

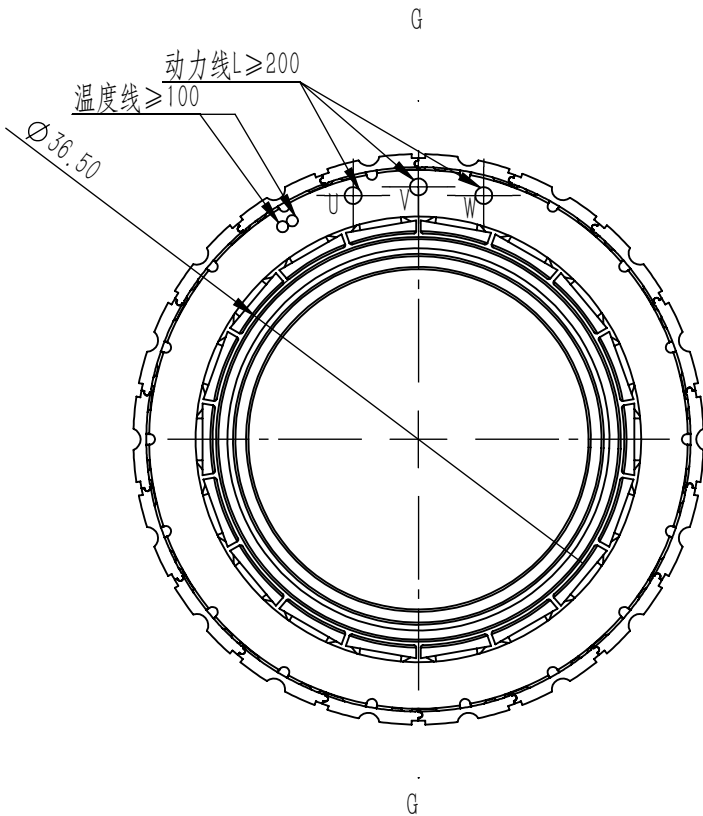
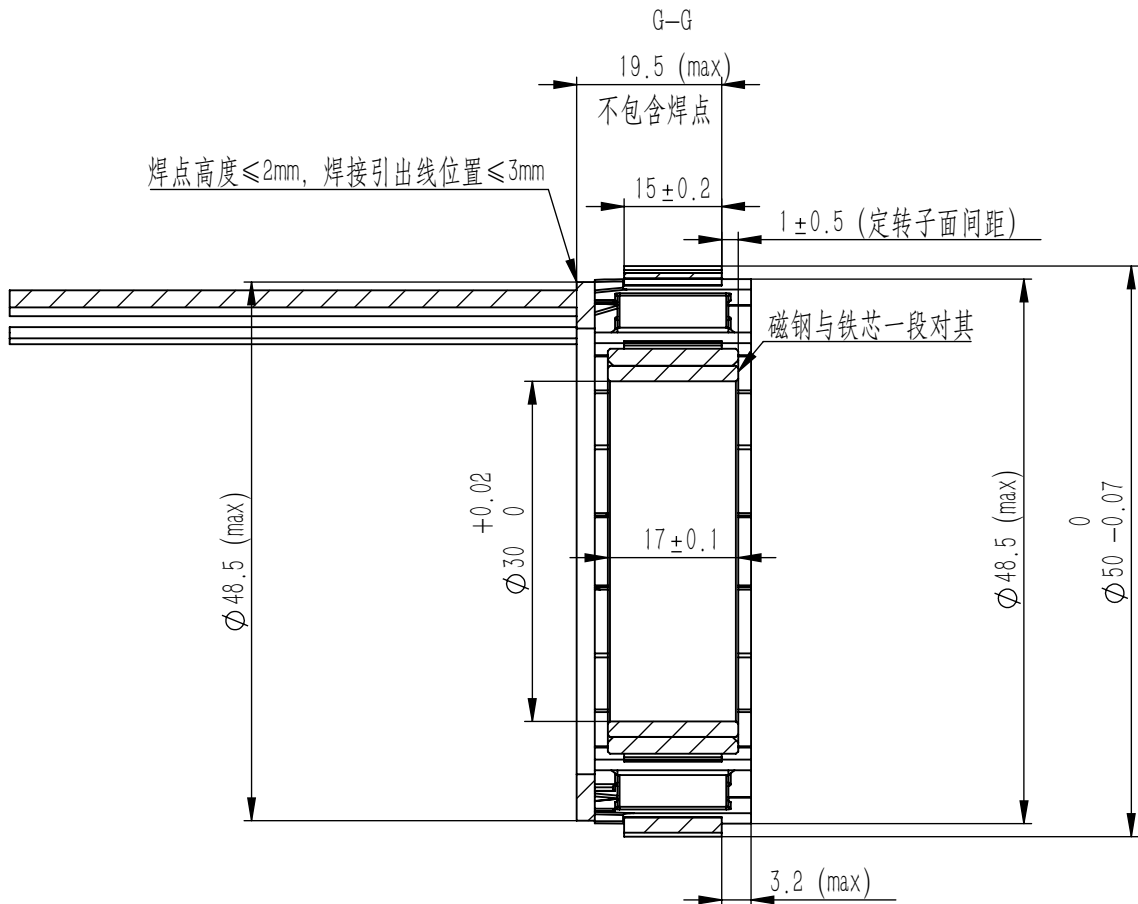
C

D

E

F

出线侧看顺时针为正



受控

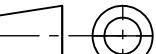
电机性能参数Motor performance parameters

参数项Parameter item	单位Unit	参数值Parameter values
极数Number of poles	/	20
额定功率Rated Power	W	183
工作电压Operating supply voltage	V	48
额定电流Rated Current	A	5
额定转矩Rated Torque	N · m	0.5
额定转速Rated Speed	rpm	3500
最大电流Maximum current	A	15
最大转矩Maximum torque	N · m	1.5
最大转速Maximum speed	rpm	4800
连续静态电流Standstill current	A	5.5
连续静态转矩Standstill torque	N · m	0.55
转动惯量Rotational inertia	kg · cm ²	0.1
线电阻Resistance line—line	Ω	0.69
线电感Inductance line—line	mH	0.41
反电动势常数EMF constant	v/krpm	6.63
转矩常数Torque constant	Nm/A	0.11
电气时间常数Electrical time constant	mS	0.6
机械时间常数Mechanical time constant	mS	1
电机重量Motor Weight	kg	TBD
绝缘等级Insulation Class	/	F级
反馈装置Feed back device	/	
温度传感器Temperature Sensor	/	
冷却方法Cooling method	不通风全封闭式 Totally enclosed non-ventilated	

线束定义表Wire Signal Definition

信号定义 Definition	引线颜色 Colour	线径 Wire Diameter	备注 Remarks
U	黄 YE	20AWG	
V	红 RD		
W	黑 BK		
温度传感器+	白 WH	26AWG	
温度传感器-	白 WH		

技术要求Technical requirements:
1、带★要求，为产品重要和关键特性
Requirements marked with ★ indicate important and critical features of the product
2、引出线不能断开，绝缘层和线芯不能损伤
The outgoing line cannot be disconnected, and the insulation layer and wire core cannot be damaged

未注线性公差						批准Approve	HH	2025/11/21	料号Part No	3050900263	产品外形图Product Outline Drawing			
Undeclared linear tolerance						标准化Standard	ZY	2025/11/21	型号Model	FMK05015-0018-3530N-10DP22	Kinco步科 步科股份：688160 The copyright of this drawing belongs to our company and unauthorized dissemination is prohibited			
0.5~3	±0.2					工艺Technique	PHX	2025/11/21	版本Version	V1.1				
>3~6	±0.3													
>6~30	±0.5	V1.1	△	电源线变更为黄红黑	PCD25219	2025/11/21	审核Check	LDY	2025/11/21	比例Scale			1.5:1	
>30~120	±0.8	V1.0	/	原始版本	新发布	2025/10/20	设计Design	LTL	2025/11/21	投影法				
>120~400	±1.2	VER	Mark	版本记录Version record	归档方式ECN No.	归档日期Date	评审Review	姓名Names	日期Date	投影方法Projection methods		页码Page NO	Sheet 1 OF 1	A3

电机转矩-转速关系曲线
Torque—speed specifications

