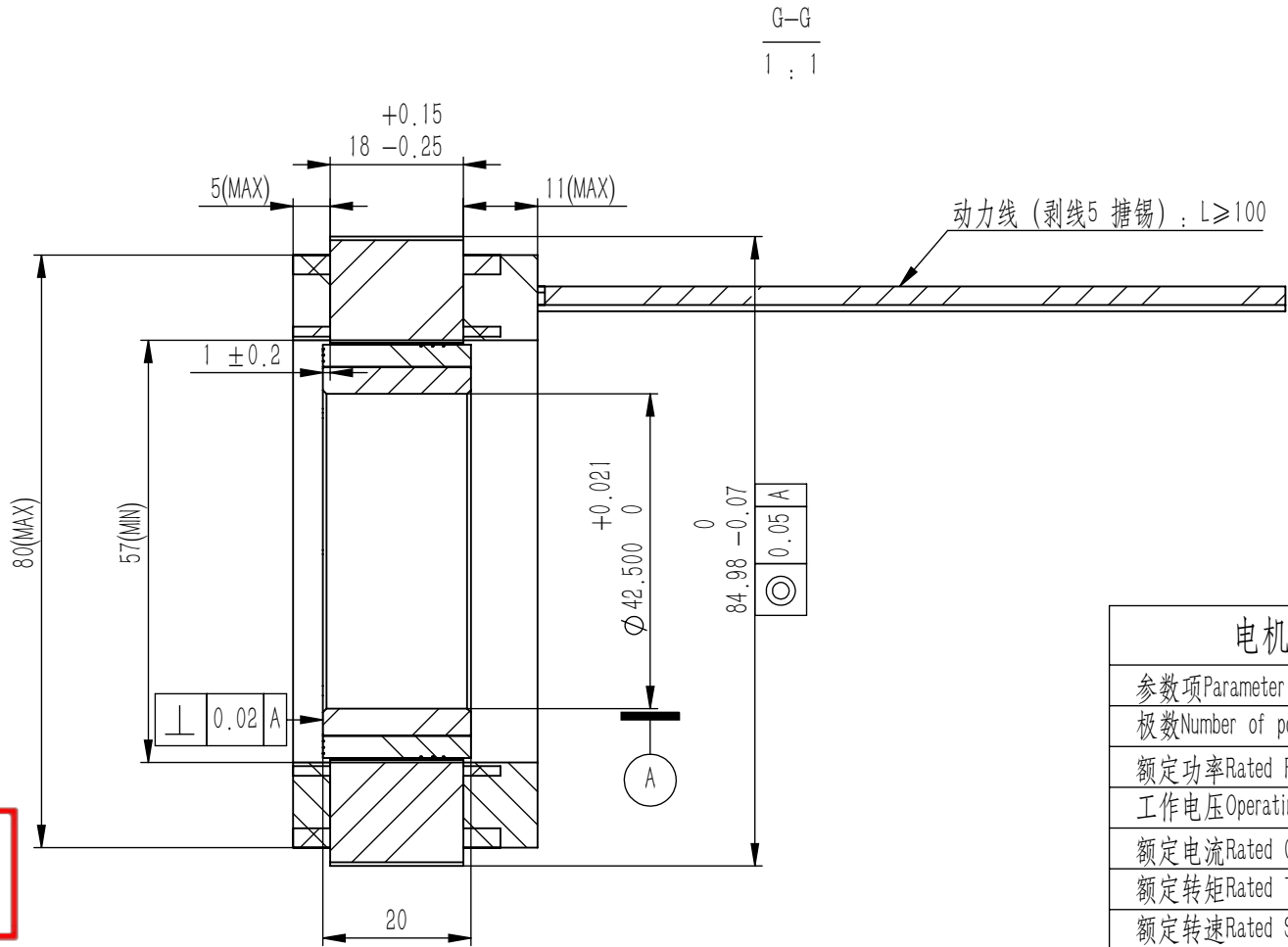
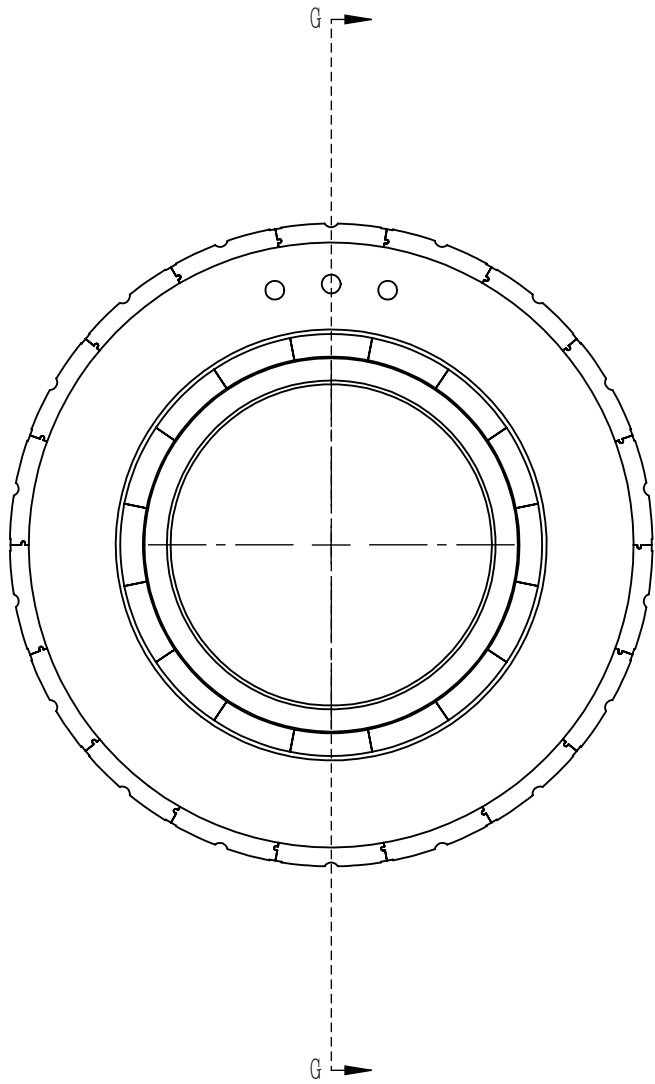
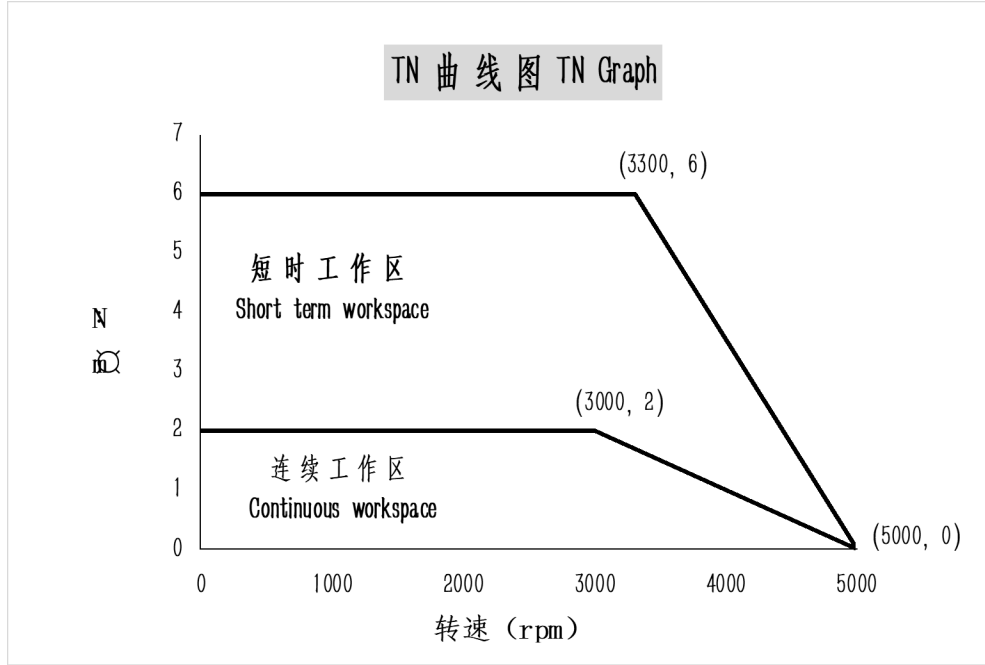




受控

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	/	16
额定功率Rated Power	W	628
工作电压Operating supply voltage	V	48V DC
额定电流Rated Current	A	21.3
额定转矩Rated Torque	N·m	2
额定转速Rated Speed	rpm	3000
最大电流Maximum current	A	63.9
最大转矩Maximum torque	N·m	6
最大转速Maximum speed	rpm	5000
连续静态电流Standstill current	A	23.43
连续静态转矩Standstill torque	N·m	2.2
转动惯量Rotational inertia	kg·cm ²	0.741
线电阻Resistance line—line	Ω	0.07
线电感Inductance line—line	mH	0.19
反电动势常数EMF constant	v/krpm	6.03
转矩常数Torque constant	Nm/A	0.1
电气时间常数Electrical time constant	mS	2.71
机械时间常数Mechanical time constant	mS	0.9
电机重量Motor Weight	kg	0.66
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	

△



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
3、定子引出线参照GB/T 7345—2008要求
The stator outgoing line shall comply with the requirements of GB/T 7345—2008
4、对于定子三相线, 每根引出线应能承受34.5N的拉力
For stator three-phase wires, each lead out wire should be able to withstand a tensile force of 34.5N

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	蓝 BU	14AWG	
V	棕 BN		
W	紫 VT		

未注线性公差 Undeclared linear tolerance						批准Approve	HH	2025/4/18	料号Part No	307090729	
0.5~3	±0.2	V1.3	△	优化TN曲线, 最大转速变更为5000	DCN250106	2025/04/02	标准化Standard	ZY	2025/4/18	型号Model	FMC08518-0062-3042N-8DS00
>3~6	±0.3	V1.2	△	客户需求, 增加TN曲线	DCN250091	2025/03/25	工艺Technique	LZH	2025/4/18	版本Version	V1.3
>6~30	±0.5	V1.1		出线端尺寸变更为11MAX	DCN240150	2024/05/16	审核Check	LDY	2025/4/18	比例Scale	1:1
>30~120	±0.8	V1.0	/	原始版本	新发布	2025/03/24	设计Design	LTL	2025/4/18	投影法 Projection methods	
>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		