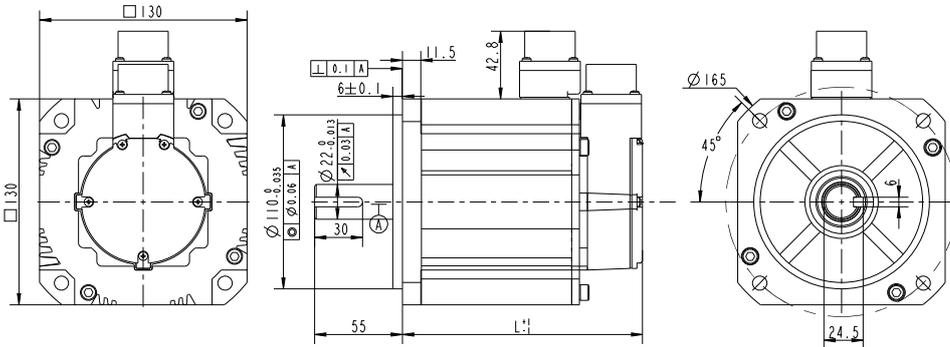


### 机械尺寸

(Dimensions)



选件 Options



接插件



齿轮箱



刹车

### 接线说明

(Electric Connection)

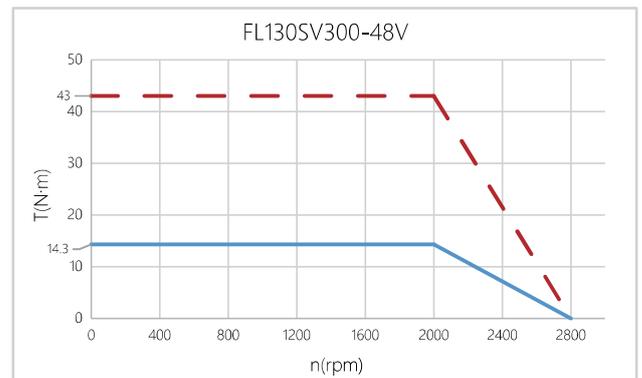
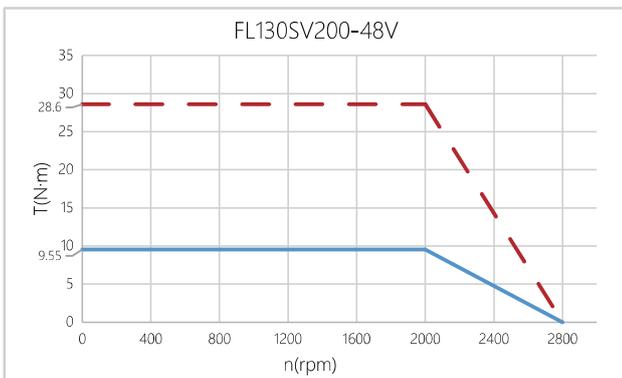
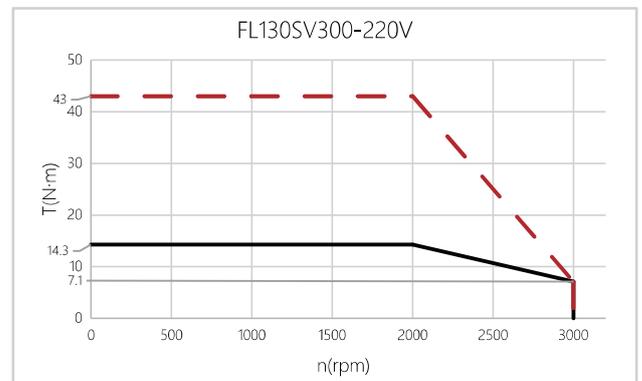
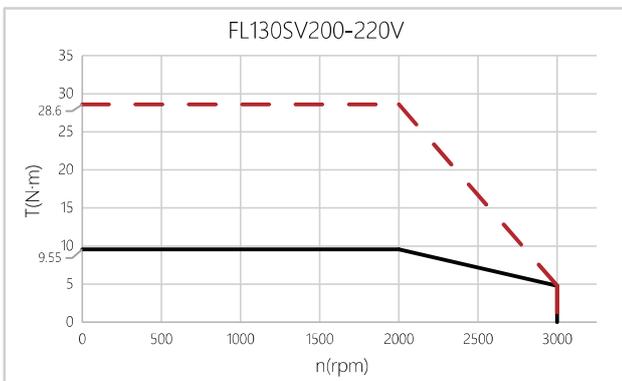
动力线的连接器接线定义见图纸。

编码器的连接器接线定义见图纸。

Electric connection of power and encoder cable is shown in the official drawing.

### 性能曲线

(Performance Curve)



## ● 一般技术特性 (General Technical Information)

编码器类型 (Encoder type)	1、光电编码器 Optical encoder 2、磁编码器 Magnetic encoder 3、旋转变压器 Resolver 备注：多种分辨率可选，增量式、绝对值式可选。 Note: Multiple resolutions are available; Incremental and absolute values are available.		
径向负载 (Max radial force)	490N @ 20mm from the flange	环境条件 Environmental conditions	使用环境温度：-20°C~ +40°C； Temperature: -20°C~ +40°C 使用环境湿度：≤90%RH（无凝露）； Relative humidity: ≤90%RH(No dewing) 安装环境：远离腐蚀、可燃性气体，油滴，灰尘， 海拔≤1000m(1000~4000m，降额使用)； Installation environment: Far away active gas, Combustible gas, oil drop, ash. altitude≤1000m(1000~4000m, Derating use); 存储环境：-20°C~ +60°C，≤85%RH（无凝露）。 Storage Condition: -20°C~ +60°C，≤85%RH(No dewing).
轴向负载 (Max axial force)	196N		
绝缘等级 (Insulation Class)	Class F		
防护等级 (Protection level)	IP65		

## ● 电机技术性能 (Motor Technical Specification)

类型(Model)	单位 (Unit)	FL130SV200	FL130SV300		
额定功率(Rated power)	Pn	W	2000		
额定电压(Rated voltage)	U	VDC	220	48	
额定转速(Rated speed)	nn	RPM	2000	2000	
额定转矩(Rated torque)	Tn	N·m	9.55	9.55	
额定电流(Rated current)	In	A	9.3	52.9	
最大转速(Maximum speed)	nmax	RPM	3000	3000	
最大转矩(Maximum torque)	Tm	N·m	28.65	28.65	
最大电流(Maximum current)	Im	A	27.9	158.7	
电阻(Line to line resistance)	RL	Ω	0.8	0.025	
电感(Line to line inductance)	LL	mH	4.2	0.14	
反电势系数(BackEMF)	Ke	V/Krpm	68	12	
转矩系数(Torque constant)	Kt	Nm/A	1.03	0.18	
电气时间常数(Electrical time constant)	τe	ms	5.3	5.6	
机械时间常数 (Mechanical time constant)	τm	ms	1.68	1.69	
转动惯量(Rotor inertia)	Jm0	Kg·cm <sup>2</sup>	14	14	
转动惯量带制动器(Rotor inertia with brake)	Jm1	Kg·cm <sup>2</sup>	15.2	15.2	
极数(Number of poles)			10	10	
编码器(Encoder)			2500ppr光电编码器 (增量式) 2500p/rev incremental encoder		
机身长度(Motor length)	L1	mm	150	165	
机身长度带制动器(Motor length with brake)	L2	mm	178	193	
重量 (Weight)		Kg	7	7.5	
重量带制动器(Weight with brake)		Kg	9.5	10	