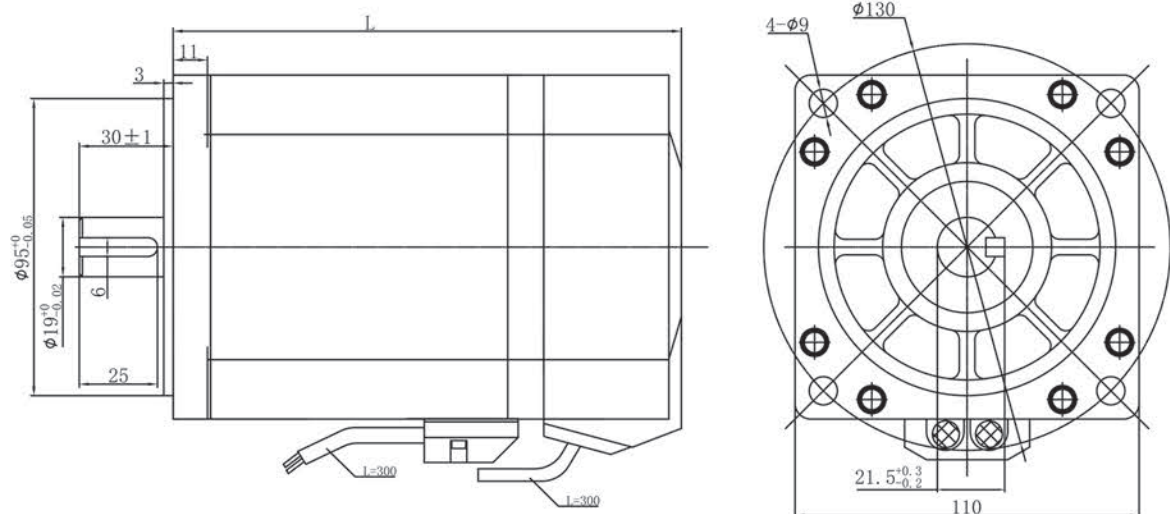


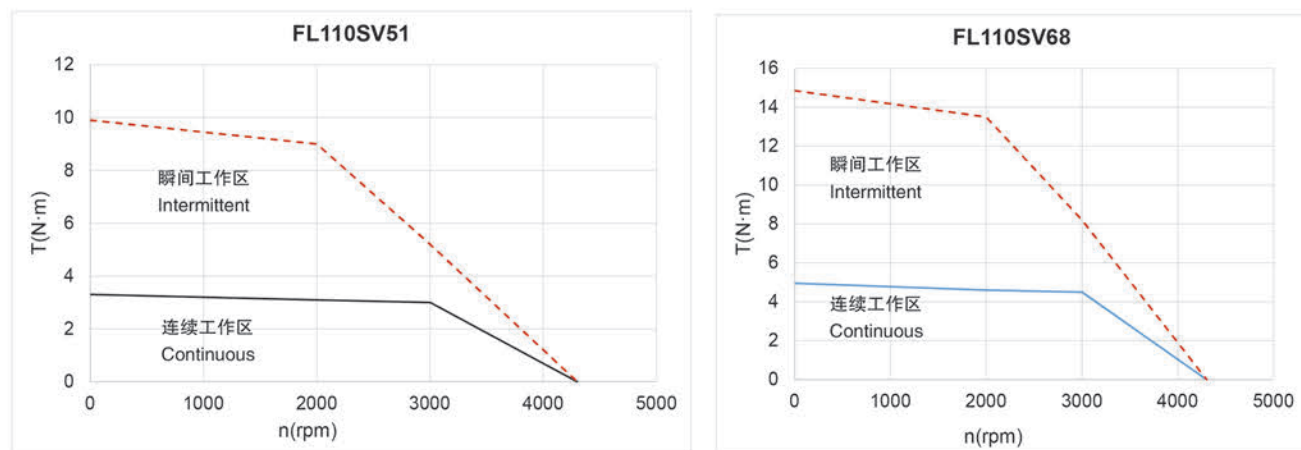
标准伺服电机 Standard Servo Motor



机械尺寸 (Dimension)



性能曲线 (Performance Curve)



接线说明 (Electric Connection)

序号 No.	引出线颜色 Lead Color	引出线型号 Lead Gauge	功能 Function	说明 Description
1	黄色(Yellow)	Cable AWG14/12	U相(Phase U)	
2	红色(Red)		V相(Phase V)	
3	黑色(Black)		W相(Phase W)	

编码器接线定义请向富兴机电公司咨询
Please ask for the encoder connection from FULLING MOTOR company

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 or absolute encoders are optional.		
径向负载 (Max radial force)	630N @ 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)	315N		
绝缘等级 (Insulation Class)	Class B		
防护等级 (Protection level)	IP65		

电机技术性能 (Motor Technical Specification)

类型 (Model)	单位(Unit)	FL110SV51	FL110SV68	
额定功率(Rated power)	P_n	W	942	1413
额定电压(Rated voltage)	U	VDC	60	60
额定转速(Rated speed)	n_n	RPM	3000	3000
额定转矩(Rated torque)	T_n	N·m	3	4.5
额定电流(Rated current)	I_n	A	22.3	36.5
最大转速(Maximum speed)	n_{max}	RPM	4300	4600
最大转矩(Maximum torque)	T_m	N·m	9	13.5
最大电流(Maximum current)	I_m	A	67	109.7
电阻(Line to line resistance)	R_L	Ω	0.069	0.046
电感(Line to line inductance)	L_L	mH	0.42	0.283
反电势系数(Back EMF)	K_e	V/Krpm	9.9	9.1
转矩系数(Torque constant)	K_t	Nm/A	0.163	0.15
电气时间常数(Electrical time constant)	τ_e	ms	6	6
机械时间常数 (Mechanical time constant)	τ_m	ms	1.9	2
转动惯量(Rotor inertia)	J_{m0}	kg·cm ²	4.35	5.8
转动惯量带制动器(Rotor inertia with brake)	J_{m1}	kg·cm ²	4.25	6
极数(Number of poles)			8	8
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	146	163
机身长度带制动器(Motor length with brake) L2		mm	195	212
重量 (Weight)		Kg	5	7.2
重量带制动器(Weight with brake)		Kg	6.3	8.5

该款电机可以根据客户需求定制。
The motor can be designed & manufactured with customized request.