

PD022022

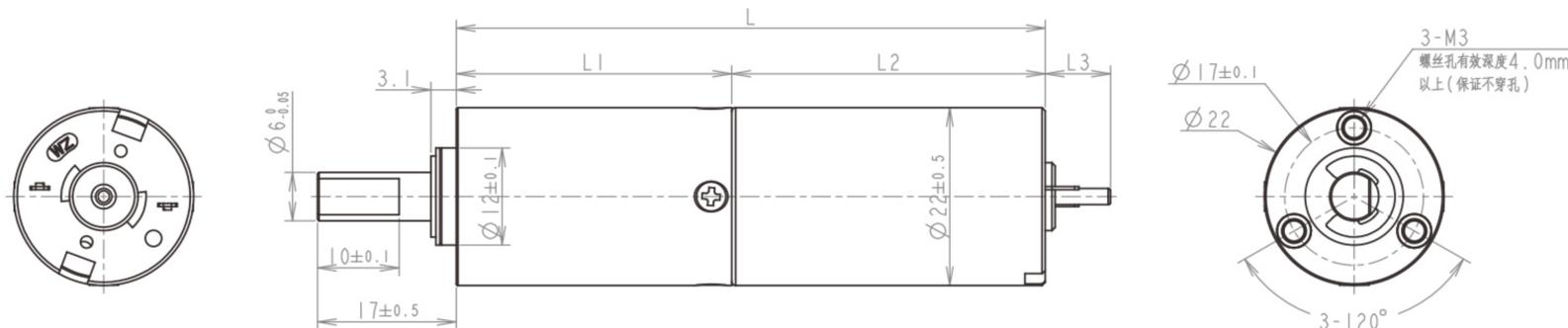
齿轮箱规格 Gearbox Specifications

外径	Outer diameter	22mm	轴承	Bearing	含油轴承 oil-impregnated bearings	滚动轴承 Rolling bearing
材质	Material	塑料 Plastic	轴向窜动	Axial Play	≤0.1mm	≤0.1mm
旋转方向	Direction of rotation	cw & ccw	输出轴径向负载	Radial Load at Output Shaft	≤50N	≤100N
齿轮箱回程差	Backlash	≤3° 可定制 Customizable	工作温度	Operating temperature range	-20 ~ +85°C	

齿轮级数 Gearbox Stages

		1	2	3	4
减速比	Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
最大容许扭力 (gf.cm)	Max rated torque of gearbox (gf.cm)	8000	8000	8000	8000
瞬间容许力矩 (gf.cm)	Max. intermittent torque (gf.cm)	20000	20000	20000	20000
齿轮箱效率 (%)	Gearbox efficiency (%)	85	73	65	58
长度 (mm)	Gearbox length L1 (mm)	19.1	26.4	33.7	41

技术插图 | Technical Drawing



马达规格参数 Motor Specifications

马达(可选择) Motor type (optional)	直流无刷电机、空心杯电机、步进电机 Brushless DC motor, Coreless motor, Stepper motor	输入速度 Input speed	≤15000rpm
电压(可选择) Voltage (optional)	3-24V	负载电流 Load current	300mA max

参考数据(马达定义值: 24V 8300rpm) 下表根据马达定义值测试, 数据只作为参考值。 Parameter (values at 24V & 8300rpm) The following data is for reference only.

型号 Model	Rated Speed 额定转速	Max Speed 最高转速	Max Rated Torque 额定容许力矩	Max. Intermittent Torque 瞬间容许力矩	Reduction Ratio 减速比	Gearbox Length 减速箱长 L1	Overall Length 总长 L
	rpm	rpm	gf.cm	gf.cm		mm	mm
PD022022-4	1875	7500	8000	20000	4	19.1	57.5
PD022022-6	1250	5000	8000	20000	6		
PD022022-16	469	1875	8000	20000	16	26.4	64.8
PD022022-24	313	1250	8000	20000	24		
PD022022-36	208	833	8000	20000	36		
PD022022-64	117	469	8000	20000	64	33.7	72.1
PD022022-96	78	313	8000	20000	96		
PD022022-144	52	208	8000	20000	144		
PD022022-216	35	139	8000	20000	216		
PD022022-256	29	117	8000	20000	256	41	79.4
PD022022-384	20	78	8000	20000	384		
PD022022-576	13	52	8000	20000	576		
PD022022-864	9	35	8000	20000	864		
PD022022-1296	6	23	8000	20000	1296		

注: 可根据客户要求定制 Specifications can be customized per customer requirements.