

MD022022

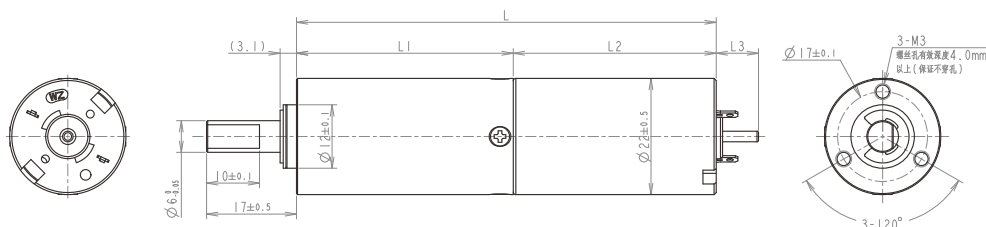
齿轮箱规格 Gearbox Specifications

外径	Outer diameter	22mm	轴承	Bearing	含油轴承 oil-impregnated bearings	滚动轴承 Rolling bearing
材质	Material	五金 Metal	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	≤120N	≤170N
齿轮箱回程差	Backlash	≤2° 可定制 Customizable	工作温度	Operating temperature range	-30 ~ +100°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)	15000	15000	15000	15000
瞬间容许力矩 (gf.cm)	Max. intermittent torque (gf.cm)	36000	36000	36000	36000
齿轮箱效率 (%)	Gearbox efficiency (%)	90	85	80	75
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 齿轮箱额定容许力矩	Max. Intermittent Torque 齿轮箱瞬间容许力矩	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
MD022022-4	1875	7500	15000	36000	4	19.1	57.5
MD022022-6	1250	5000	15000	36000	6		
MD022022-16	469	1875	15000	36000	16	26.4	64.8
MD022022-24	313	1250	15000	36000	24		
MD022022-36	208	833	15000	36000	36		
MD022022-64	117	469	15000	36000	64	33.7	72.1
MD022022-96	78	313	15000	36000	96		
MD022022-144	52	208	15000	36000	144		
MD022022-216	35	139	15000	36000	216		
MD022022-256	29	117	15000	36000	256	41	79.4
MD022022-384	20	78	15000	36000	384		
MD022022-576	13	52	15000	36000	576		
MD022022-864	9	35	15000	36000	864		
MD022022-1296	6	23	15000	36000	1296		

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