



PD024024

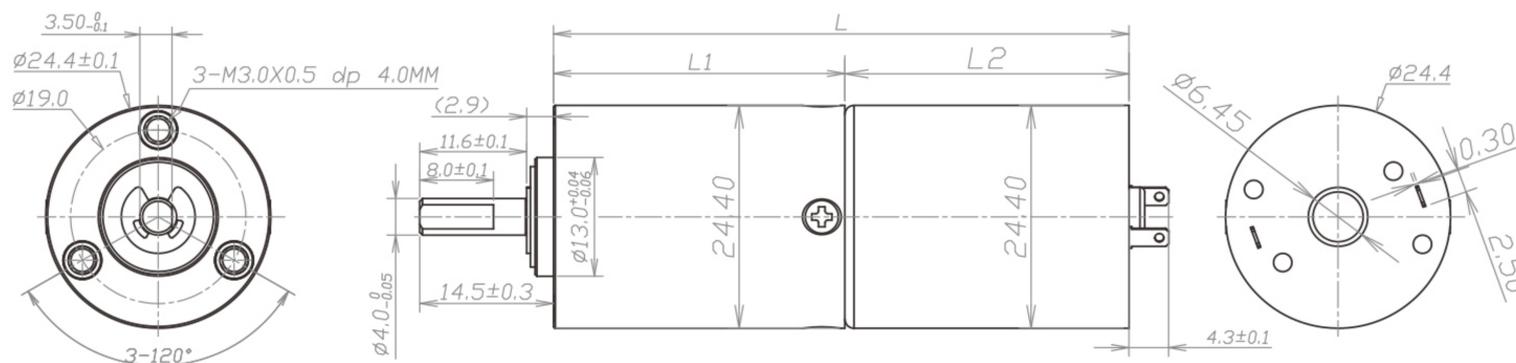
齿轮箱规格 Gearbox Specifications

外径	Outer diameter	24mm	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	≤0.2mm	≤0.2mm
旋转方向	Direction of rotation	cw & ccw	输出轴径向负载	Radial Load at Output Shaft	≤100N	≤272N
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)	15000	15000	15000	15000
瞬间容许力矩 (gf.cm)	Max. intermittent torque (gf.cm)	45000	45000	45000	45000
齿轮箱效率 (%)	Gearbox efficiency (%)	80	65	53	47
长度 (mm)	Gearbox length L1 (mm)	18.5	24.5	31.5	38.65

技术插图 | Technical Drawing



马达规格参数 Motor Specifications

马达(可选择) Motor type (optional)	直流有刷电机、直流无刷电机、空心杯电机、步进电机 Brushed DC motor, 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: 12V 6000rpm) 下表根据马达定义值测试, 数据只作为参考值。 Parameter (values at 12V & 6000rpm) 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
PD024024-4	1150	1500	15000	45000	4	18.5	49.3
PD024024-6	767	1000	15000	45000	6		
PD024024-16	288	375	15000	45000	16	24.5	55.3
PD024024-24	192	250	15000	45000	24		
PD024024-36	128	167	15000	45000	36		
PD024024-64	72	94	15000	45000	64	31.5	62.3
PD024024-96	48	63	15000	45000	96		
PD024024-144	32	42	15000	45000	144		
PD024024-216	21	38	15000	45000	216		
PD024024-256	18	23	15000	45000	256	38.65	69.45
PD024024-384	12	16	15000	45000	384		
PD024024-576	8	10	15000	45000	576		
PD024024-864	5	7	15000	45000	864		
PD024024-1296	4	5	15000	45000	1296		

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