

20
mm

Metal
五金



ZWBMD020020

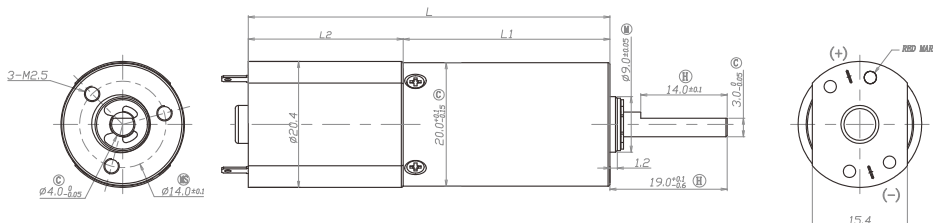
齿轮箱规格 Gearbox Specifications

外径 Outer diameter	20mm	轴承 Bearing	含油轴承 Porous bearing	滚动轴承 Rolling bearing
材质 Material	五金 Metal	轴向窜动 Axial endplay	≤0.3mm	≤0.1mm
旋转方向 Direction of rotation	cw & ccw	输出轴径向负载 Radial loading on output shaft	≤50N	≤75N
齿轮箱回程差 Gear 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)	10000	10000	10000	10000
瞬间容许力矩 (gf.cm) Instant torque of gearbox (gf.cm)	25000	25000	25000	25000
齿轮箱效率 (%) Gearbox efficiency (%)	90	81	72	65
长度 (mm) Gearbox length L1 (mm)	17.6	22.9	28.2	33.5

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	电流 Current	300mA max

参考数据 (马达定义值): 12v 7200rpm 下表根据马达定义值测试, 数据只作为参考值

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 Instant 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			
ZWBMD020020-4	1875	7500	10000	25000	4	17.6	42.7
ZWBMD020020-6	1250	5000	10000	25000	6		
ZWBMD020020-16	469	1875	10000	25000	16	22.9	48
ZWBMD020020-24	313	1250	10000	25000	24		
ZWBMD020020-36	208	833	10000	25000	36		
ZWBMD020020-64	117	469	10000	25000	64	28.2	53.3
ZWBMD020020-96	78	313	10000	25000	96		
ZWBMD020020-144	52	208	10000	25000	144		
ZWBMD020020-216	35	139	10000	25000	216		
ZWBMD020020-256	29	117	10000	25000	256	33.5	58.6
ZWBMD020020-384	20	78	10000	25000	384		
ZWBMD020020-576	13	52	10000	25000	576		
ZWBMD020020-864	9	35	10000	25000	864		
ZWBMD020020-1296	6	23	10000	25000	1296		

注: 可根据客户要求定制 Please contact us for customized products