

MD020020

Φ20mm MD planetary gearbox

20
mm

M
Metal

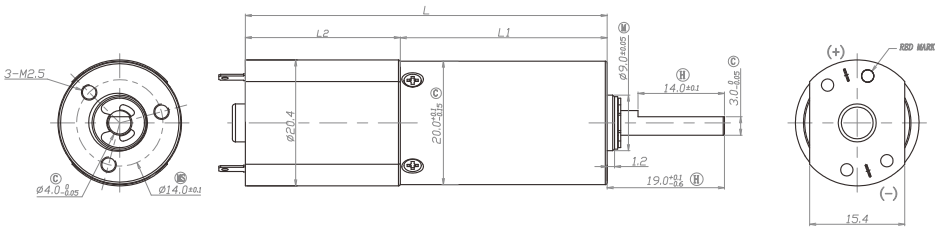


Gearbox Specifications

Outer diameter	20mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Metal	Axial Play	≤ 0.3mm	≤ 0.1mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤50N	≤75N
Backlash	≤2° Customizable	Operating temperature range	-30 ~ +100°C	

Gearbox Stages	1	2	3	4
Reduction ratio	4 / 6	16 / 24 / 36	64 / 96 / 144 / 216	256 / 384 / 576 / 864 / 1296
Max rated torque of gearbox (gf.cm)	10000	10000	10000	10000
Max. intermittent torque (gf.cm)	25000	25000	25000	25000
Gearbox efficiency (%)	90	81	72	65
Gearbox length L1 (mm)	17.6	22.9	28.2	33.5

Technical Drawing



Motor Specifications

Motor type (optional)	Brushed DC motor, Brushless DC motor, Coreless motor, Stepper motor	Input speed	≤15000rpm
Voltage (optional)	3-24V	Load current	300mA max

Model	Rated Speed	Max Speed	Max. Rated Torque of Gearbox	Max. Intermittent Torque of Gearbox	Reduction Ratio	Gearbox Length	Overall Length
	rpm	rpm	gf.cm	gf.cm		mm	mm
MD020020-4	1875	7500	10000	25000	4	17.6	42.7
MD020020-6	1250	5000	10000	25000	6		
MD020020-16	469	1875	10000	25000	16		
MD020020-24	313	1250	10000	25000	24	22.9	48
MD020020-36	208	833	10000	25000	36		
MD020020-64	117	469	10000	25000	64		
MD020020-96	78	313	10000	25000	96	28.2	53.3
MD020020-144	52	208	10000	25000	144		
MD020020-216	35	139	10000	25000	216		
MD020020-256	29	117	10000	25000	256	33.5	58.6
MD020020-384	20	78	10000	25000	384		
MD020020-576	13	52	10000	25000	576		
MD020020-864	9	35	10000	25000	864		
MD020020-1296	6	23	10000	25000	1296		