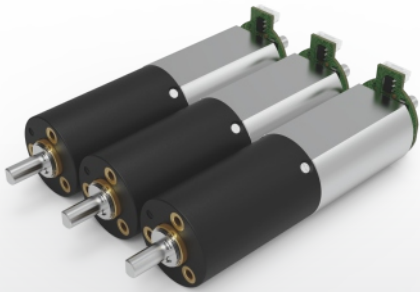


PD020020

Φ20mm PD planetary gearbox

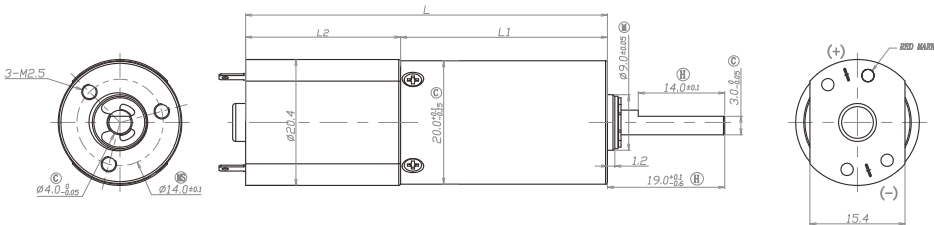


Gearbox Specifications

Outer diameter	20mm	Bearing	oil-impregnated bearings	Rolling bearing
Material	Plastic	Axial Play	≤0.3mm	≤0.1mm
Direction of rotation	cw & ccw	Radial Load at Output Shaft	≤30N	≤50N
Backlash	≤3°	Operating temperature range	-20 ~ +85°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)	6000	6000	6000	6000
Max. intermittent torque (gf.cm)	15000	15000	15000	15000
Gearbox efficiency (%)	85	73	65	58
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

Parameter (values at 12V & 7200rpm) The following data is for reference only.

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
PD020020-4	1875	7500	6000	15000	4	17.6	42.7
PD020020-6	1250	5000	6000	15000	6		
PD020020-16	469	1875	6000	15000	16		
PD020020-24	313	1250	6000	15000	24	22.9	48
PD020020-36	208	833	6000	15000	36		
PD020020-64	117	469	6000	15000	64		
PD020020-96	78	313	6000	15000	96	28.2	53.3
PD020020-144	52	208	6000	15000	144		
PD020020-216	35	139	6000	15000	216		
PD020020-256	29	117	6000	15000	256	33.5	58.6
PD020020-384	20	78	6000	15000	384		
PD020020-576	13	52	6000	15000	576		
PD020020-864	9	35	6000	15000	864		
PD020020-1296	6	23	6000	15000	1296		