



MD038038

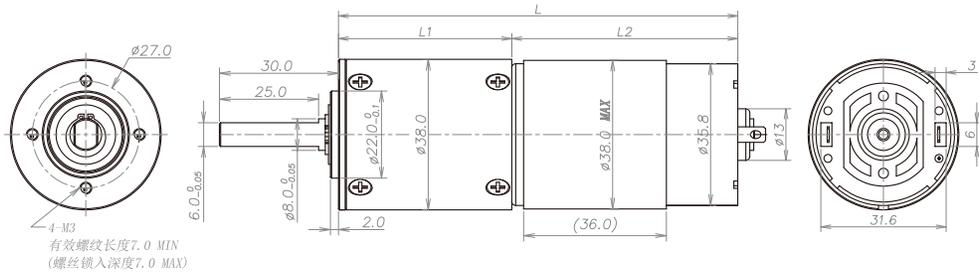
Gearbox Specifications

Outer diameter	38mm	Bearing	Rolling bearing
Material	Metal	Axial endplay	≤0.1mm
Direction of rotation	cw & ccw	Radial loading on output shaft	≤300N
Gear backlash	≤2° Customizable	Operating temperature range	-20 ~ +100°C

Gearbox Stages

	1	2	3	4
Reduction ratio	4 / 6	16 / 25 / 39	64 / 100 / 156 / 244	256 / 400 / 625 / 977 / 1526
Max rated torque of gearbox (gf.cm)	80000	80000	80000	80000
Instant torque of gearbox (gf.cm)	240000	240000	240000	240000
Gearbox efficiency (%)	90	85	80	75
Gearbox length L1 (mm)	30.7	43.7	56.7	69.7

Technical Drawing



Motor Specifications

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

Parameter (values at 24V & 6100rpm) The following data is for reference only.

Model	Rated Speed	Max Speed	Max Rated Torque	Max Instant Torque	Reduction Ratio	Gearbox Length	Overall Length
	rpm	rpm	gf.cm	gf.cm		mm	mm
MD038038-4	1525	7500	80000	240000	4	30.7	87.7
MD038038-6.25	976	4800	80000	240000	6.25		
MD038038-16	381	1875	80000	240000	16	43.7	100.7
MD038038-25	244	1200	80000	240000	25		
MD038038-39	156	769	80000	240000	39		
MD038038-64	95	469	80000	240000	64	56.7	113.7
MD038038-100	61	300	80000	240000	100		
MD038038-156	39	192	80000	240000	156		
MD038038-244	25	123	80000	240000	244		
MD038038-256	24	117	80000	240000	256	69.7	126.7
MD038038-400	15	75	80000	240000	400		
MD038038-625	10	48	80000	240000	625		
MD038038-977	6	31	80000	240000	977		
MD038038-1526	4	20	80000	240000	1526		

*Please contact us for customized products