DC Planetary Gear Motor

LS-PG16F139

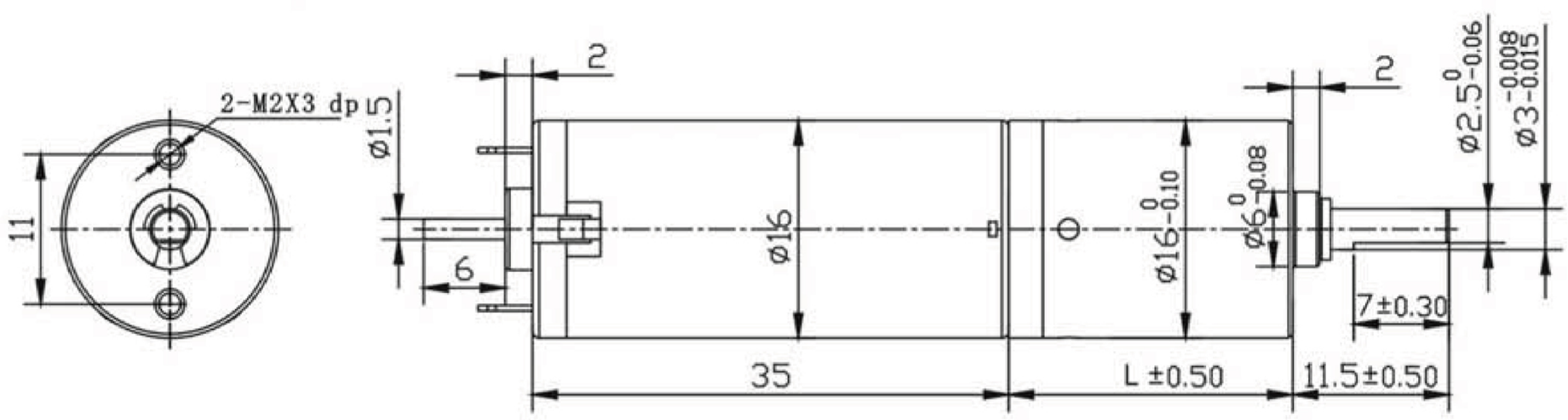
Electrical Specification

Gearbox Data

Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	4 , 4.75	12.3 , 16 19 , 22.5	42.8 , 64 , 76 99 , 107	150 , 256 , 304 361 , 428	712 , 1024 , 1216 1444 , 2036 , 2418
Gearbox length “L” mm	13.7	17.3	20.9	24.5	28.1
Max. Gear Running torgue	1.0kgf·cm	1.5kgf·cm	4.0kgf·cm	4.0kgf·cm	4.0kgf·cm
Max. Gear Breaking torgue	3.0kgf·cm	4.5kgf·cm	12kgf·cm	12kgf·cm	12kgf·cm
Gearing efficiency	90%	81%	73%	65%	59%

Motor Data

Motor Name	Rated Volt. V	No Load		Load Torque				Stall Torque	
		Current	Speed	Current	Speed	Torque	Output Power	Torque	Current
		mA	r/min	mA	r/min	gf·cm	W	gf·cm	mA
F1391211000	12	≤55	11000	≤130	8000	20	1.6	108	910
F1392411000	24	≤28	11000	≤270	8100	24	1.62	110	493

After connecting motor and gearbox which isnamed gearmotor the output torque:motor torque X reduction ratio X gearing efficiency;
Output speed:motor speed / reduction ratio.

Mechanical Dimension