



# DC Planetary Gear Motor

LS-PG52MZY52



## Electrical Specification

### Gearbox Data

Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.7 , 5.2	13.7 , 19.2 26.9	50.9 , 71.2 99.5 , 139	188 , 264 , 369 516 , 721	699 , 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	27.3	38.9	50.5	62.1	73.7
Max. Gear Running torque	50kgf-cm	100kgf-cm	300kgf-cm	300kgf-cm	300kgf-cm
Max. Gear Breaking torque	150kgf-cm	300kgf-cm	900kgf-cm	900kgf-cm	900kgf-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	A
ZY52123000	12	≤650	3000	≤4900	2550	1316	35.1	6416	21.1
ZY52243000	24	≤320	3000	≤2880	2623	1634	44.8	8712	13.8

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

## Mechanical Dimension

