



DC Planetary Gear Motor

LS-PG42775



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	10.2 , 13.7 19.2	32.5 , 50.9 71.2 , 99.5	139 , 188 , 264 369 , 516	699 , 977 , 1367 1911 , 2672 , 3736
Gearbox length "L" mm	31.8	43.1	54.4	65.7	77
Max. Gear Running torque	50kgf-cm	100kgf-cm	200kgf-cm	200kgf-cm	200kgf-cm
Max. Gear Breaking torque	100kgf-cm	300kgf-cm	600kgf-cm	600kgf-cm	600kgf-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
RS-775123000	12	≤420	3000	≤1300	2430	408	10.4	2484	6.7
RS-778124500	12	≤750	4500	≤2100	3710	476	17.6	2714	10.4
RS-775126000	12	≤1300	6000	≤3500	5195	478	25.5	3129	18.6
RS-775243000	24	≤210	3000	≤600	2590	364	9.87	2050	3.2
RS-775244500	24	≤480	4500	≤1300	3850	482	18.5	3335	5.3
RS-775246000	24	≤630	6000	≤2100	5233	574	30.8	4565	12.1

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

