



DC Planetary Gear Motor

LS-PG45MZY45



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	25.1	32.3	38.5	44.7	78.8
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
ZY45123000	12	≤210	3000	≤1200	2430	390	9.5	2470	6.6
ZY45124500	12	≤440	4500	≤2050	3710	480	17.8	2706	10.2
ZY45126000	12	≤630	6000	≤4150	5240	610	31.9	4700	20.3
ZY45243000	24	≤120	3000	≤620	2590	380	9.84	2160	3.4
ZY45244500	24	≤270	4500	≤1340	3850	490	18.8	3233	5.5
ZY45246000	24	≤360	6000	≤2050	5120	650	33.2	4715	12.2

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

