



DC Planetary Gear Motor

LS-PG22M180



Electrical Specification

Gearbox Data

Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4 stages reduction	5 stages reduction
Reduction ratio	3.5, 4	12.3, 16, 19	42.8, 64, 90	150, 256, 304, 361, 428	712, 1024, 1263, 1444, 1500, 2036
Gearbox length "L" mm	13.9	17.5	21.1	24.7	28.3
Max. Gear Running torque	1.0kgf-cm	2.0kgf-cm	4.0kgf-cm	4.0kgf-cm	4.0kgf-cm
Max. Gear Breaking torque	3.0kgf-cm	6.0kgf-cm	12.0kgf-cm	12.0kgf-cm	12.0kgf-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
RF-1800310000	3	≤300	10000	≤1400	8000	30	2.4	120	7000
RF-1800610000	6	≤160	10000	≤720	8000	30	2.4	120	3500
RF-180129000	12	≤58	9000	≤300	7200	25	1.8	90	950
RF-1801211000	12	≤80	11000	≤450	8500	30	2.5	120	1550
RF-180249000	24	≤25	9000	≤240	7200	25	1.8	90	650
RF-1802411000	24	≤30	11000	≤255	8500	30	2.5	120	830

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

