

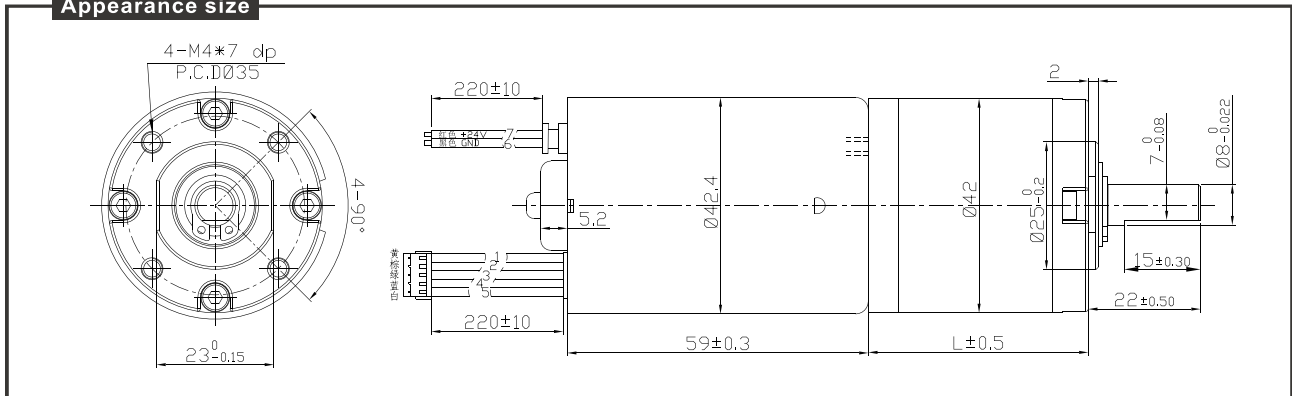


DC Planetary Gear Motor

PG42BL42



Appearance size



Gearbox data:

Number of stages	1 stages reduction	2 stages reduction	3 stages reduction	4stages reduction	5stages 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. Running torque	50Kgf · cm	100Kgf · cm	200Kgf · cm	200Kgf · cm	200Kgf · cm
Max. Gear breaking torque	150Kgf · cm	300Kgf · cm	300Kgf · 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 mA	Speed r/min	Current mA	Speed r/min	Torque gf · cm	Output power W	Torque gf · cm	Current A
BL42-246000	24	≤280	6000	≤2027	4932	720	38.5	5889	14.59
BL42-126000	12	≤350	6000	≤2223	5155	795	42.1	5785	13.96

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.

电机使用示意图

