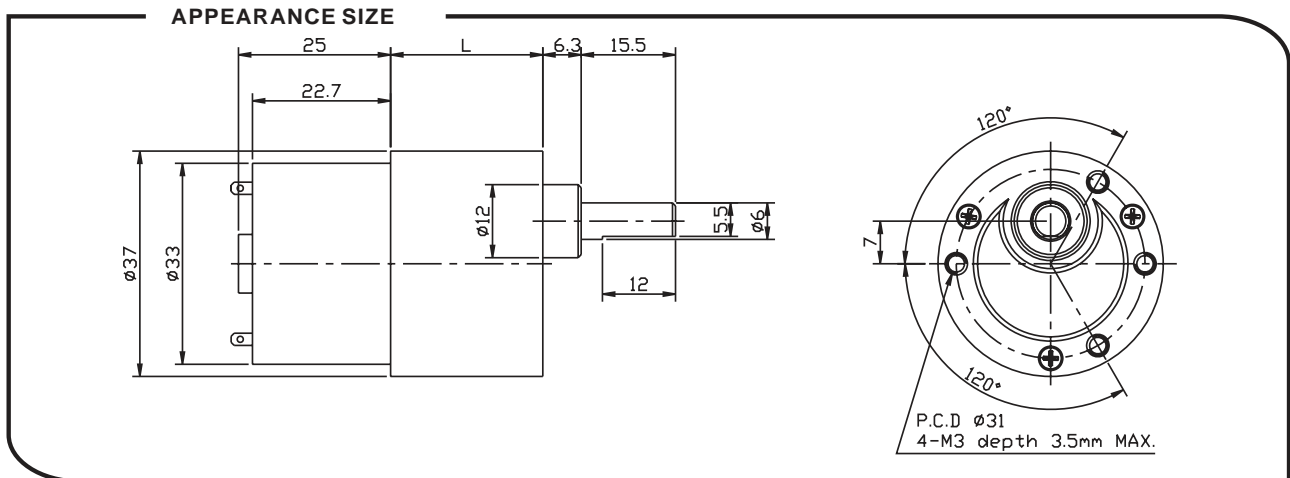




## PM-33 DC GEAR MOTOR Series



### Gearbox data:

Number of stages	2、3 stages reduction	4、5 stages reduction	6、7 stages reduction
Reduction ratio	6、10 ; 20、30	60、90; 120、180、270	489、540、810; 1620、2430
Gearbox length "L" mm	22.5	25 27	29
Max. Running torque	2Kgf • cm	10Kgf • cm	10Kgf • cm
Max. Gear breaking torque	8Kgf • cm	30Kgf • cm	30Kgf • cm
Max. Gearing efficiency	81%; 73%	65%; 59%	53%; 48%
Other reduction ratio please telephone or e-mail to our engineering department.			

### 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
PM-33123000	12	≤20	3000	≤110	2200	25	0.55	100	400
PM-33124500	12	≤30	4500	≤150	3300	35	1.2	140	850
PM-33126000	12	≤40	6000	≤400	4500	45	2.3	180	1400
PM-33243000	24	≤15	3000	≤60	2200	25	0.55	100	200
PM-33244500	24	≤20	4500	≤80	3300	35	1.2	140	420
PM-33246000	24	≤30	6000	≤200	4500	45	2.3	180	700

- 1、 This table lists some motors parameters, others please refer to specific parameters of Page 114.
- 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.

### NOTE:

- 1、 Gearmotor named methods: e.g. PM-33123000-90K Motor please refer to the motor data PM-33123000. Gearbox please refer to gearbox data reduction ratio 90. Related to gearmotor output speed and torque please refer to motor data.
- 2、 Gearbox shell material: zinc alloy.
- 3、 Gearbox gear materials: The first stage gear: plastic gear. The final stage gear: 45# steel Heat-treatment gear. Other stages gear: powder metallurgy gear.
- 4、 Standard output shaft after reducing:  $\phi 6.0$ mm. other sizes of the output shaft can make as client request.
- 5、 Chart only for reference, products shall prevail the entity.