TG-38 DC GEAR MOTOR Series

APPEARANCE SIZE
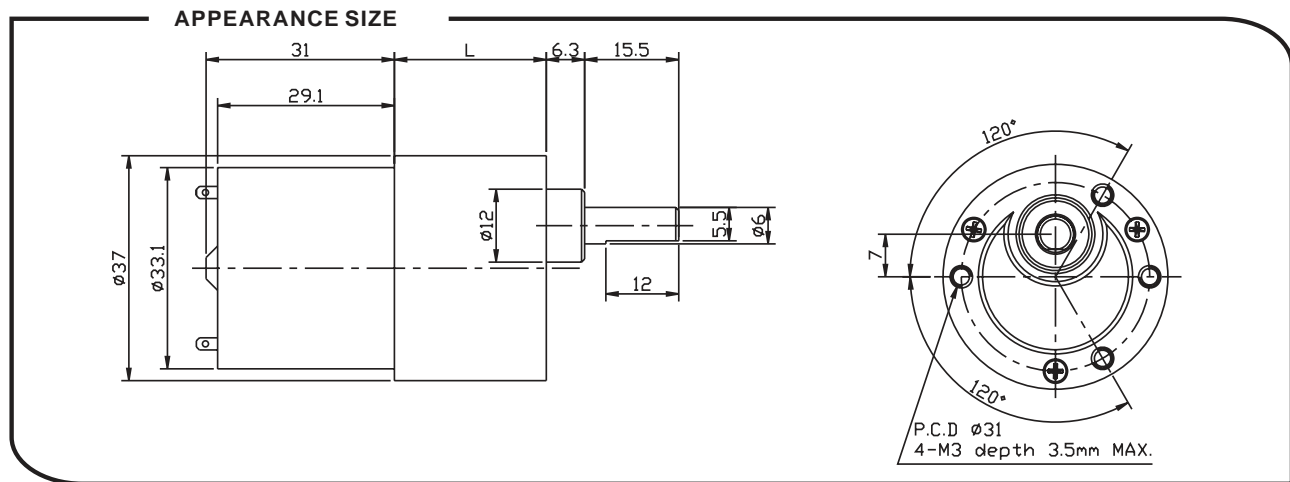
Gearbox data:

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
TG-38123400	12	≤40	3400	≤180	2500	40	1.0	160	720
TG-38124500	12	≤60	4500	≤350	3300	60	2.0	210	1400
TG-38126000	12	≤70	6000	≤720	4500	80	3.6	300	2800
TG-38243000	24	≤15	3000	≤80	2200	40	0.9	140	320
TG-38244500	24	≤25	4500	≤180	3300	60	2.0	210	730
TG-38246700	24	≤45	6700	≤360	4500	80	3.6	300	1400

1、This table lists some motors parameters,others please refer to specific parameters of Page 115.
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. TG-38123400-90K   Motor please refer to the motor data TG-38123400.Gearbox please refer to gearbox data reduction ratio 90.Related to gearmotor output speed and torque please refer to motor data.
2、Motor can be installed with magnetic encorder,encorder parameters please refer to Page 109.
3、Gearbox shell material:zinc alloy.
4、Gearbox gear materials: The first stage gear:plastic gear.The final stage gear:45[#] steel Heat-treatment gear.Other stages gear:powder metallurgy gear.
5、Standard output shaft after reducing:Φ6.0mm.other sizes of the output shaft can make as client request.
6 Chart only for reference,products shall prevail the entity.