



DS-BL37RS DC GEAR BRUSHLESS MOTOR **DongShun**

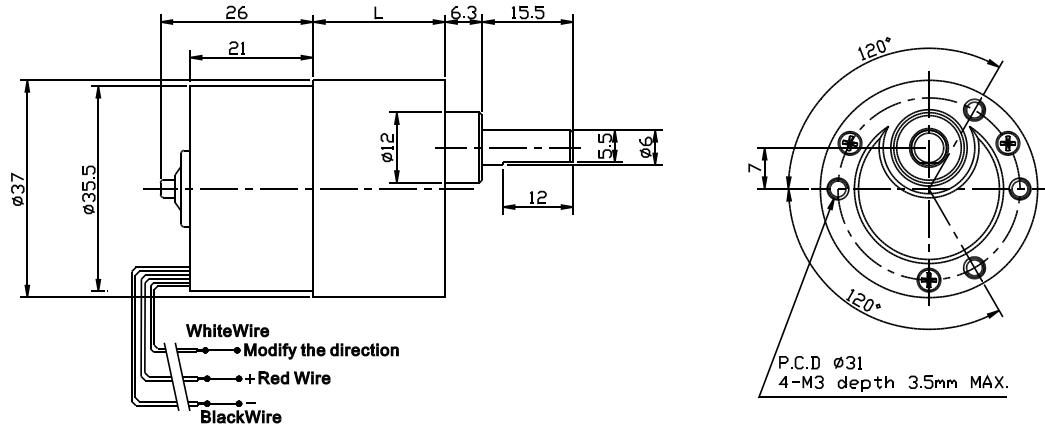
Main voltage: 12VDC, 24VDC

Typical applications: Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Limelight, Tissue machine, Office equipment, Household appliances, Automatic actuator.

Weight: 140~160g/pcs (approx)

Packing details: CTN size: 36.5X31XH17cm 60pcs/CTN G.W.11Kgs

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
37BL123000	12	≤180	3000	≤280	2200	70	1.5	170	700
37BL124500	12	≤250	4500	≤350	3300	100	3.3	170	700
37BL126000	12	≤300	6000	≤500	4500	140	6.0	170	700
37BL243000	24	≤150	3000	≤230	2200	80	1.8	280	700
37BL244500	24	≤200	4500	≤400	3300	125	4.0	280	700
37BL246000	24	≤250	6000	≤750	4500	160	7.0	280	700

1、 This table lists some motors parameters, others please refer to specific parameters of Page 155

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. DS-BL37RS123000-90K Motor please refer to the motor data 37BL123000. 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 encoder, encoder parameters please refer to Page 141.
- 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: 6.0mm. other sizes of the output shaft can make as client request.
- 6、 Chart only for reference, products shall prevail the entity.