

# DS-36RP528 DC GEAR MOTOR Series DongShun

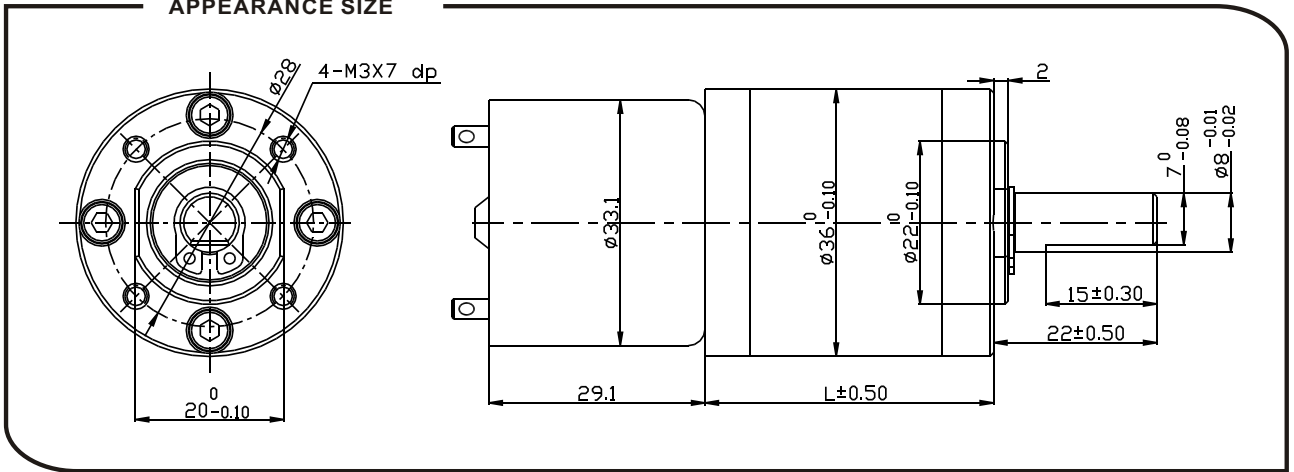
**Main voltage:** 3VDC、6VDC、9VDC、12VDC、24VDC、

**Typical applications:** Auto shutter, Pan/Tilt camera, Slot machine, Money detector, Coin refund devices, Currency count machine, Towel dispensers, Automatic doors, Peritoneal machine, Automatic TV rack, Office equipment, Household appliances, Automatic

**Weight:** 220~300g/pcs (approx)

**Packing details:** CTN size: 32X28XH26cm 40pcs/CTN G.W. 12Kgs

## APPEARANCE SIZE



## Gearbox data:

| Number of stages          | 1 stages reduction | 2 stages reduction | 3 stages reduction     | 4stages reduction        | 5stages reduction                 |
|---------------------------|--------------------|--------------------|------------------------|--------------------------|-----------------------------------|
| Reduction ratio           | 3.7, 5.2           | 13.7, 19.2, 26.9   | 50.9, 71.2, 99.5, 139. | 188, 264, 369, 516, 721, | 699, 977, 1367, 1911, 2672, 3736, |
| Gearbox length "L" mm     | 26.4               | 32.6               | 38.9                   | 45.3                     | 52.5                              |
| Max. Running torque       | 3.0Kgf · cm        | 10Kgf · cm         | 30Kgf · cm             | 50Kgf · cm               | 50Kgf · cm                        |
| Max. Gear breaking torque | 9.0Kgf · cm        | 30Kgf · cm         | 90Kgf · cm             | 150Kgf · cm              | 150Kgf · cm                       |
| Max. 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      |
| RS-528123400 | 12            | ≤40     | 3400  | ≤180        | 2500  | 40      | 1.0          | 160          | 720     |
| RS-528124500 | 12            | ≤60     | 4500  | ≤350        | 3300  | 60      | 2.0          | 210          | 1400    |
| RS-528126000 | 12            | ≤70     | 6000  | ≤720        | 4500  | 80      | 3.6          | 300          | 2800    |
| RS-528243000 | 24            | ≤15     | 3000  | ≤80         | 2200  | 40      | 0.9          | 140          | 320     |
| RS-528244500 | 24            | ≤25     | 4500  | ≤180        | 3300  | 60      | 2.0          | 210          | 730     |
| RS-528246700 | 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 146.
- 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-36RP528123400-99.5K Motor please refer to the motor data RS-528123400. Gearbox please refer to gearbox data reduction ratio 99.5. 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 140.
- 3、 Standard output shaft after reducing: 8.0mm. other sizes of the output shaft can make as client request.
- 4、 Chart only for reference, products shall prevail the entity.