

# LY-DJ808 series

## Feature :

- 1.DC permanent magnet motor, firm structure, durable
- 2.Speed from 5mm/s to 35mm/s as requested.
- 3.Maximum Load 7000N.
- 4.Temperature Range:-40°C ~ 65°C
- Duty cycle:25% with full load in normal temperature.
- 5.Potentiometer Feedback Optional
- 6.Build in limit switch
- 7.IP Grade:IP65.
- 8.Certificate : CE
- 9.Overload clutch protection.
- 10.Widely used in various industry equipment, special Vehicle and the high load output conditions



# Specification

[illegible]

# Table 1.0 Transmission parameters of the code

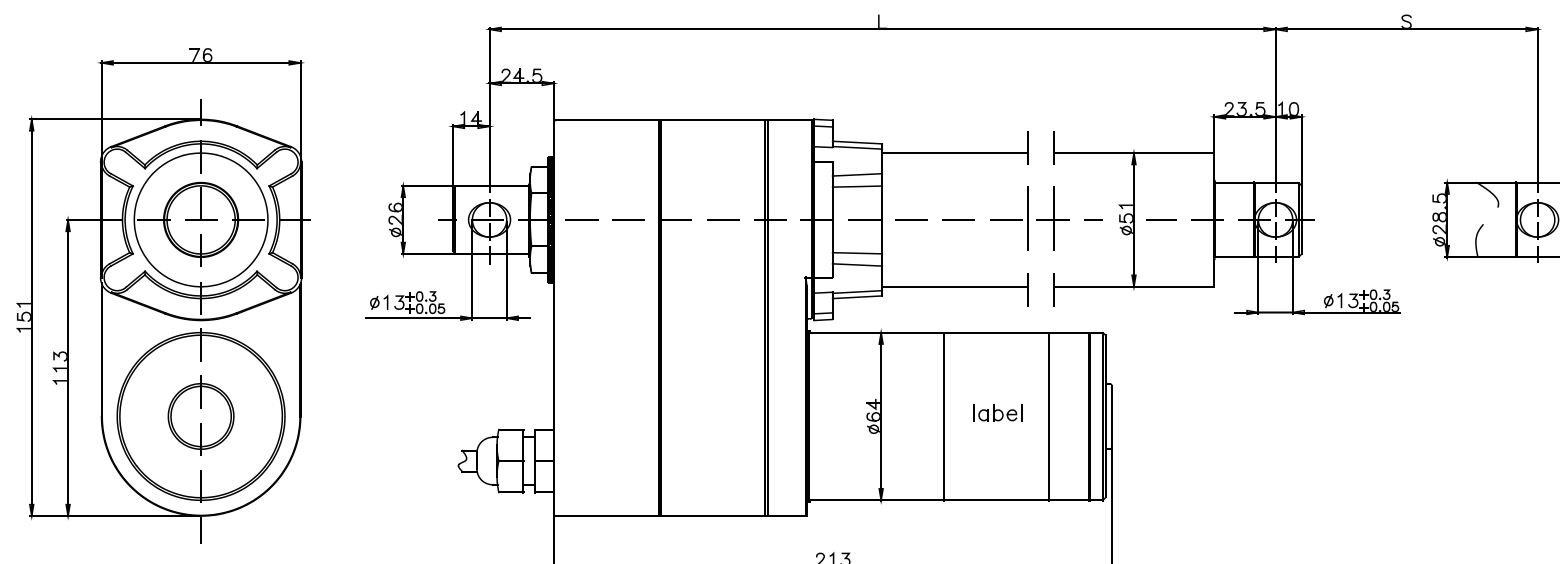
| Code | Rated Load<br>( N ) | Speed mm/s<br>±10% |           | Current A ( Normal temprature ) |           |         |           |         |           |         |           |
|------|---------------------|--------------------|-----------|---------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|
|      |                     |                    |           | 12 V                            |           | 24 V    |           | 36 V    |           | 48 V    |           |
|      |                     | No Load            | Full Load | No Load                         | Full Load | No Load | Full Load | No Load | Full Load | No Load | Full Load |
| A    | 7000                | 5.5                | 4         | 3.0                             | 18        | 1.5     | 9         | 1.0     | 5         | 0.8     | 3.5       |
| B    | 7000                | 8.5                | 7         | 3.0                             | 18        | 1.5     | 9         | 1.0     | 5         | 0.8     | 3.5       |
| C    | 5000                | 11                 | 9.5       | 3.5                             | 17        | 2.0     | 9         | 1.5     | 5         | 1.0     | 3.5       |
| D    | 4000                | 17                 | 14        | 3.5                             | 17        | 2.0     | 9         | 1.5     | 5         | 1.0     | 3.5       |
| E    | 3000                | 22                 | 18        | 3.5                             | 17        | 2.5     | 8         | 2.0     | 5         | 1.5     | 3.0       |
| F    | 2000                | 35                 | 28.5      | 3.5                             | 17        | 2.5     | 8         | 2.0     | 5         | 1.5     | 3.0       |

## Table 2.0 Stroke & load

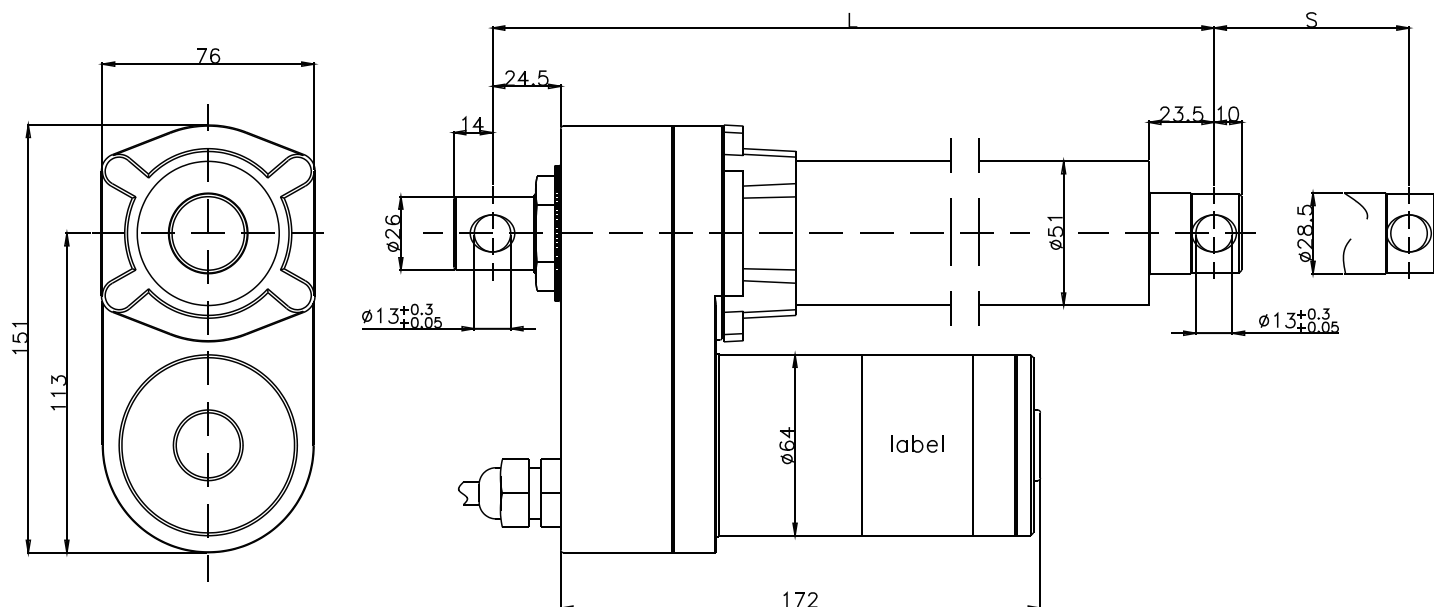
| Stroke mm |      |      |      |      |      |      |      |  |        |
|-----------|------|------|------|------|------|------|------|--|--------|
| 501~600   |      |      |      |      |      |      |      |  |        |
| 401~500   |      |      |      |      |      |      |      |  |        |
| 301~400   |      |      |      |      |      |      |      |  |        |
| 50~300    |      |      |      |      |      |      |      |  |        |
|           | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 |  | Load N |

## Table 3.0 Installation dimension

1> : With limit switch  $50 \leq \text{Stroke} < 400, L = S + 250$   
 $400 \leq \text{Stroke} < 600, L = S + 300$  ( output signal available )

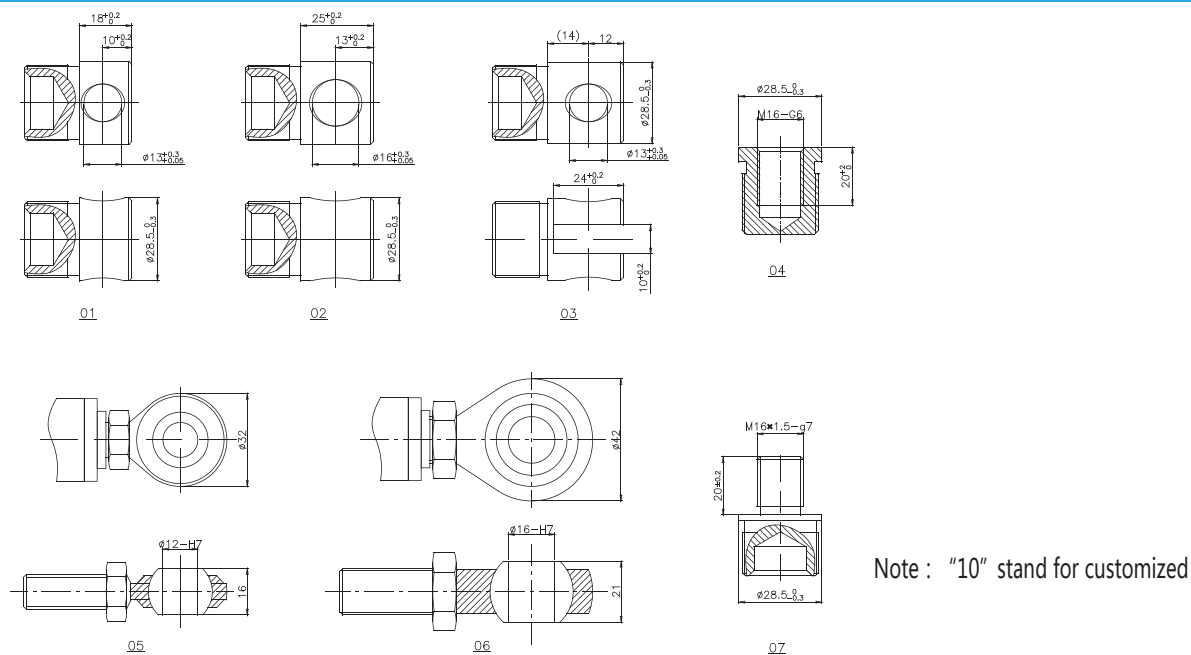


2> : No limit switch  $50 \leq \text{Stroke} < 400, L = S + 200$   
 $400 \leq \text{Stroke} < 600, L = S + 250$  ( no output signal )

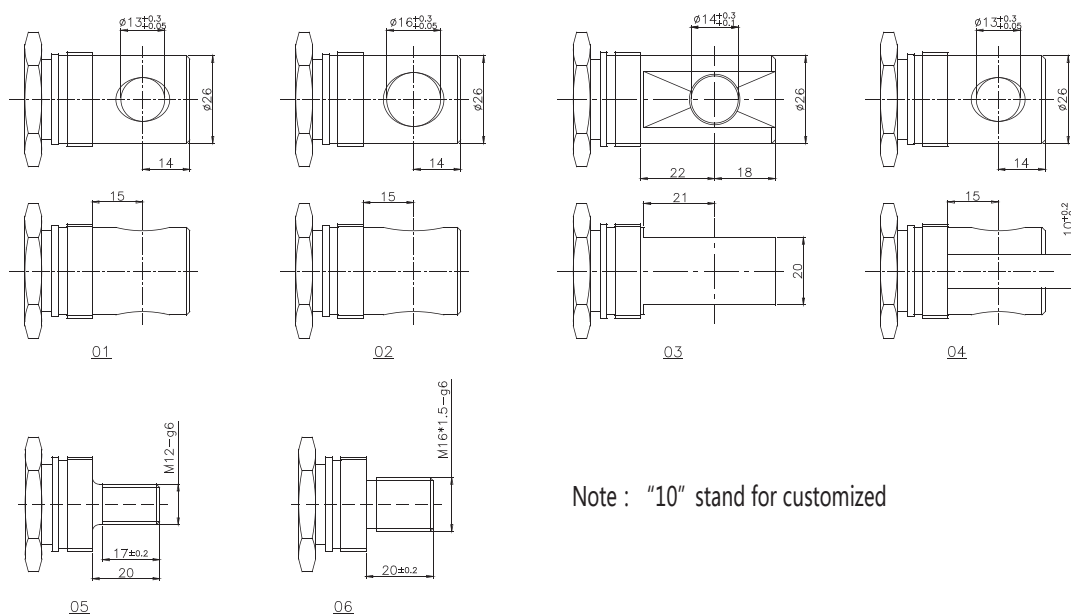


Note: When front attachment is joint bearing or customized attachment, the dimension is not apply to above rules.  
 Direction of rear attachment 90°(Standard)

## Table 4.0 Front attachment



## Table 5.0 Rear attachment



## Table 6.0 Potentiometer

| Code    | Max stroke | Resistance Range ( KΩ) |                   |
|---------|------------|------------------------|-------------------|
| A、 C、 E | 379 mm     | 200mm stroke=5.0       | 300mm stroke=7.5  |
| B、 D、 F | 598 mm     | 200mm stroke=3.17      | 400mm stroke=6.35 |

Note : potentiometer 10KΩ. (The actual Resistance depends on specific stroke.)

| Version         | Date       | Alter |
|-----------------|------------|-------|
| Trial operation | 24.03.2014 | No    |