



## GR-37 直流减速电机 DC GEAR MOTOR Series

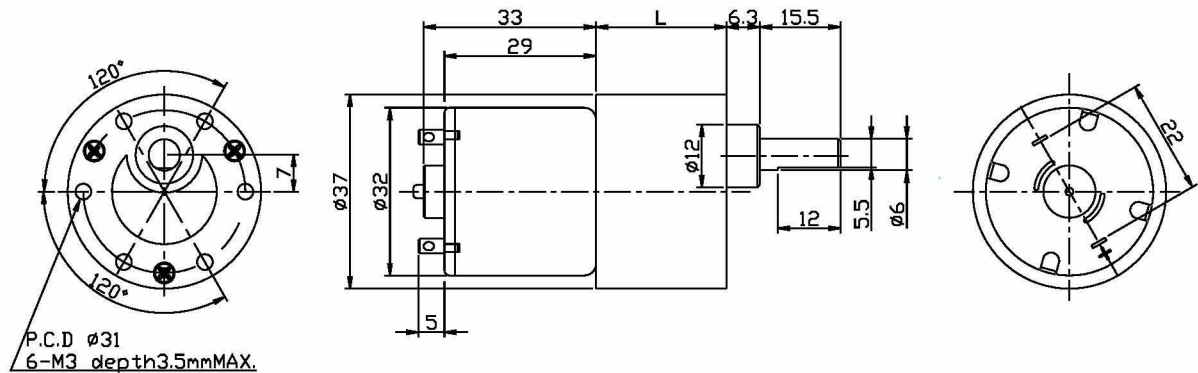
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 120~160g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36.5X31X17cm 60pcs/CTN G.W.11kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90; 120、180、270       | 360、540、810; 1620、2430   |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 22.5                     | 25 27                    | 29                       |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%; 59%                 | 53%; 48%                 |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                      | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| GR-37123400         | 12                   | ≤40            | 3400         | ≤180               | 2500         | 40            | 1.0                  | 160                 | 720            |
| GR-37124500         | 12                   | ≤60            | 4500         | ≤350               | 3300         | 60            | 2.0                  | 210                 | 1400           |
| GR-37126000         | 12                   | ≤70            | 6000         | ≤720               | 4500         | 80            | 3.6                  | 300                 | 2800           |
| GR-37243000         | 24                   | ≤15            | 3000         | ≤80                | 2200         | 40            | 0.9                  | 140                 | 320            |
| GR-37244500         | 24                   | ≤25            | 4500         | ≤180               | 3300         | 60            | 2.0                  | 210                 | 730            |
| GR-37246700         | 24                   | ≤45            | 6700         | ≤360               | 4500         | 80            | 3.6                  | 300                 | 1400           |

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .

• 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 .



## SG-385 直流减速电机 DC GEAR MOTOR Series

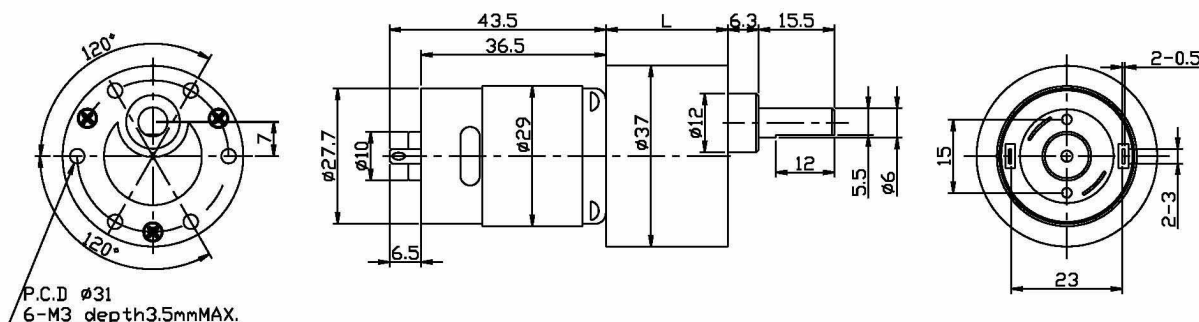
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 150~180g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36.5X31X17cm 60pcs/CTN G.W.12kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90; 120、180、270       | 360、540、810; 1620、2430   |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 22.5                     | 25 27                    | 29                       |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%; 59%                 | 53%; 48%                 |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|-------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                         | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                         | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| SG-385123000        | 12                      | ≤45            | 3000         | ≤150               | 2200         | 35            | 0.8                  | 140                 | 450            |
| SG-385124500        | 12                      | ≤70            | 4500         | ≤300               | 3300         | 55            | 1.8                  | 220                 | 1200           |
| SG-385126000        | 12                      | ≤100           | 6000         | ≤600               | 4500         | 80            | 3.6                  | 320                 | 1900           |
| SG-385243000        | 24                      | ≤25            | 3000         | ≤70                | 2200         | 35            | 0.8                  | 140                 | 230            |
| SG-385244500        | 24                      | ≤40            | 4500         | ≤150               | 3300         | 55            | 1.8                  | 220                 | 600            |
| SG-385246000        | 24                      | ≤50            | 6000         | ≤300               | 4500         | 80            | 3.6                  | 320                 | 1000           |

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .

• 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 .



## BL-37 直流无刷减速电机 DC GEAR BRUSHLESS MOTOR

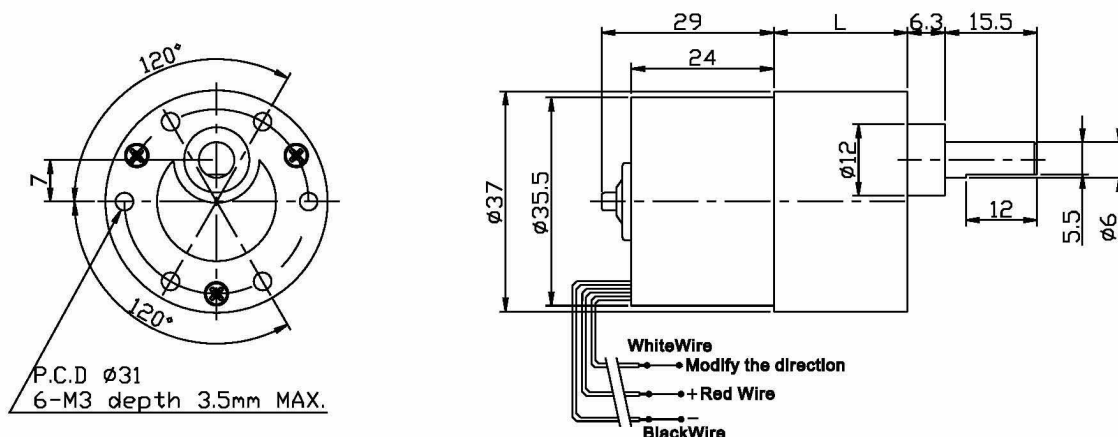
电压/Main voltage: 12VDC、24VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 140~160g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36. 5X31XH17cm 60pcs/CTN G.W.11kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90; 120、180、270       | 360、540、810; 1620、2430   |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 22.5                     | 25 27                    | 29                       |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%; 59%                 | 53%; 48%                 |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>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            |

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .

• 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 .





## SG-545 直流减速电机 DC GEAR MOTOR Series

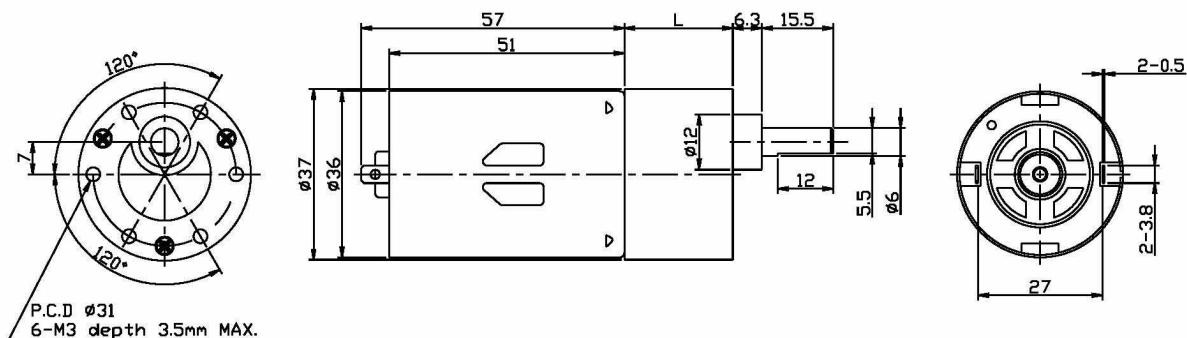
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 300~350g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 27.5X26XH22.5cm 40pcs/CTN G.W.14kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90; 120、180、270       | 360、540、810              |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 23.5                     | 26 28                    | 30                       |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%; 59%                 | 53%; 48%                 |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                      | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| SG-545123000        | 12                   | ≤110           | 3000         | ≤450               | 2200         | 100           | 2.2                  | 400                 | 1800           |
| SG-545124500        | 12                   | ≤220           | 4500         | ≤800               | 3300         | 150           | 4.9                  | 600                 | 3000           |
| SG-545126000        | 12                   | ≤350           | 6000         | ≤1500              | 4500         | 200           | 9.0                  | 800                 | 5500           |
| SG-545243000        | 24                   | ≤60            | 3000         | ≤230               | 2200         | 100           | 2.2                  | 400                 | 900            |
| SG-545244500        | 24                   | ≤110           | 4500         | ≤400               | 3300         | 150           | 4.9                  | 600                 | 1500           |
| SG-545246000        | 24                   | ≤150           | 6000         | ≤750               | 4500         | 200           | 9.0                  | 800                 | 3000           |

• 这张表格只列出部分电机参数，想了解更多具体参数请参照94页。

• This table lists some motors parameters, others please refer to specific parameters of Page 94.

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比。

• 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.





## SG-555 直流减速电机 DC GEAR MOTOR Series

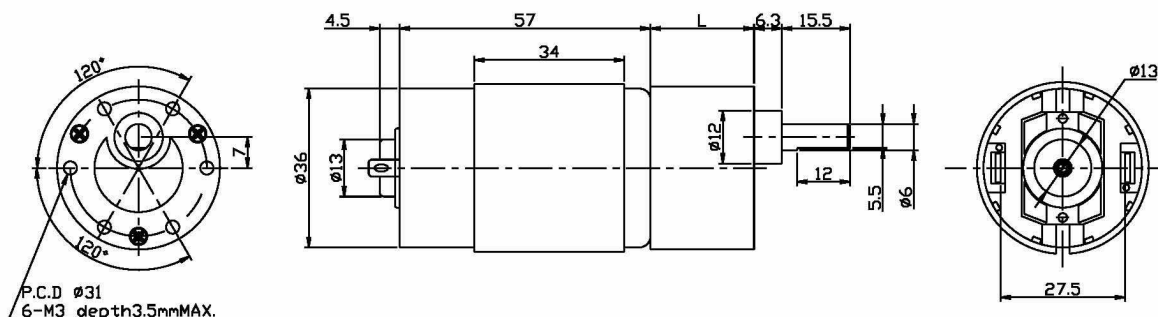
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 350~400g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 27.5X26XH22.5cm 40pcs/CTN G.W.15kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90; 120、180、270       | 360、540、810              |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 23.5                     | 26 28                    | 30                       |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%; 59%                 | 53%; 48%                 |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                      | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| SG-555123000        | 12                   | ≤140           | 3000         | ≤800               | 2200         | 150           | 3.3                  | 600                 | 3000           |
| SG-555124500        | 12                   | ≤220           | 4500         | ≤1200              | 3300         | 220           | 7.2                  | 880                 | 4800           |
| SG-555126000        | 12                   | ≤350           | 6000         | ≤2000              | 4500         | 300           | 13.5                 | 1200                | 6000           |
| SG-555243000        | 24                   | ≤70            | 3000         | ≤400               | 2200         | 150           | 3.3                  | 600                 | 1600           |
| SG-555244500        | 24                   | ≤110           | 4500         | ≤600               | 3300         | 220           | 7.2                  | 880                 | 3000           |
| SG-555246000        | 24                   | ≤180           | 6000         | ≤1000              | 4500         | 300           | 13.5                 | 1200                | 4000           |

• 这张表格只列出部分电机参数，想了解更多具体参数请参照95页。

• This table lists some motors parameters, otheers please refer to specific parameters of Page 95.

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比。

• 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.



## FM-33 直流减速电机 DC GEAR MOTOR Series

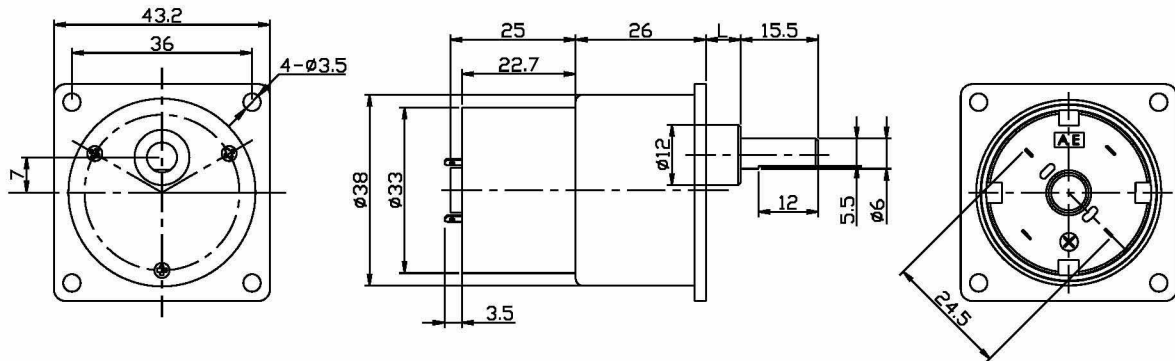
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 120~160g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36.5X31XH17cm 60pcs/CTN G.W.11kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90                    | 120、180、270              |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 2.0                      | 4.5                      | 7.0                      |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%                      | 59%                      |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|-------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                         | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                         | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| FM-33123000         | 12                      | ≤20            | 3000         | ≤110               | 2200         | 25            | 0.55                 | 100                 | 400            |
| FM-33124500         | 12                      | ≤30            | 4500         | ≤220               | 3300         | 35            | 1.2                  | 140                 | 850            |
| FM-33126000         | 12                      | ≤40            | 6000         | ≤410               | 4500         | 45            | 2.3                  | 180                 | 1400           |
| FM-33243000         | 24                      | ≤15            | 3000         | ≤60                | 2200         | 25            | 0.55                 | 100                 | 200            |
| FM-33244500         | 24                      | ≤20            | 4500         | ≤110               | 3300         | 35            | 1.2                  | 140                 | 420            |
| FM-33246000         | 24                      | ≤30            | 6000         | ≤200               | 4500         | 45            | 2.3                  | 180                 | 700            |

- 这张表格只列出部分电机参数，想了解更多具体参数请参照92页。
- This table lists some motors parameters, otheers please refer to specific parameters of Page 92.
- 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比。
- 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.



## FG-38 直流减速电机 DC GEAR MOTOR Series

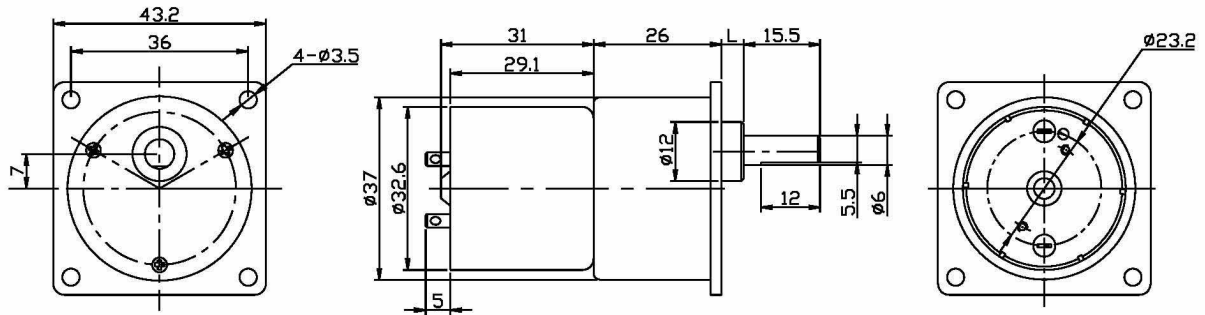
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 150~180g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36.5X31X17cm 60pcs/CTN G.W.12kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90                    | 120、180、270              |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 2.0                      | 4.5                      | 7.0                      |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%                      | 59%                      |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|-------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                         | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                         | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| FG-38123400         | 12                      | ≤40            | 3400         | ≤180               | 2500         | 40            | 1.0                  | 160                 | 720            |
| FG-38124500         | 12                      | ≤50            | 4500         | ≤350               | 3300         | 60            | 2.0                  | 210                 | 1400           |
| FG-38126000         | 12                      | ≤70            | 6000         | ≤720               | 4500         | 80            | 3.6                  | 300                 | 2800           |
| FG-38243000         | 24                      | ≤15            | 3000         | ≤80                | 2200         | 40            | 0.9                  | 140                 | 320            |
| FG-38244500         | 24                      | ≤25            | 4500         | ≤180               | 3300         | 60            | 2.0                  | 210                 | 730            |
| FG-38246700         | 24                      | ≤45            | 6700         | ≤360               | 4500         | 80            | 3.6                  | 300                 | 1400           |

• 这张表格只列出部分电机参数，想了解更多具体参数请参照93页。

• This table lists some motors parameters, otheers please refer to specific parameters of Page 93.

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比。

• 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.





**用途/Typical applications:** 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

**包裝外形尺寸/Packing details:** CTN size:36.5X31XH17cm 60pcs/CTN G.W.11kgs

[illegible]

| 减速箱级数<br>Number of stages                                                                         | 2 减速比 Stages reduction | 3 减速比 Stages reduction | 4 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|
| 减速比<br>Reduction ratio                                                                            | 10                     | 20、30                  | 60、90                  |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                | 10kgf.cm               | 10kgf.cm               |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                | 30kgf.cm               | 30kgf.cm               |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%                    | 73%                    | 65%                    |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                        |                        |                        |

| 马达型号<br>Motor Model | 电 压<br>Rated Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|-------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                         | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                         | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| PM-37123000         | 12                      | ≤20            | 3000         | ≤110               | 2200         | 25            | 0.55                 | 100                 | 400            |
| PM-37124500         | 12                      | ≤30            | 4500         | ≤150               | 3300         | 35            | 1.2                  | 140                 | 850            |
| PM-37126000         | 12                      | ≤40            | 6000         | ≤400               | 4500         | 45            | 2.3                  | 180                 | 1400           |
| PM-37243000         | 24                      | ≤15            | 3000         | ≤60                | 2200         | 25            | 0.55                 | 100                 | 200            |
| PM-37244500         | 24                      | ≤20            | 4500         | ≤80                | 3300         | 35            | 1.2                  | 140                 | 420            |
| PM-37246000         | 24                      | ≤30            | 6000         | ≤200               | 4500         | 45            | 2.3                  | 180                 | 700            |

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .

• 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 .



## RG-37M528 直流减速电机 DC GEAR MOTOR Series

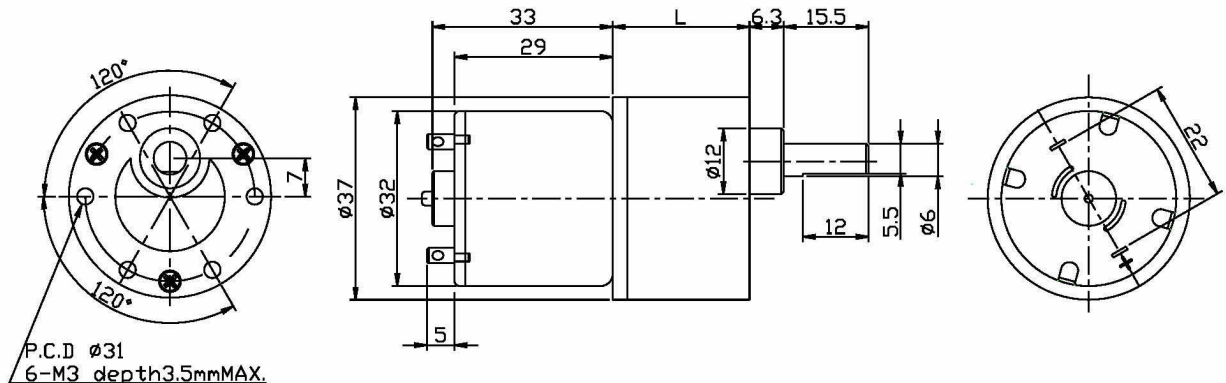
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC

用途/Typical applications: 自动百叶窗、自动售货机、点钞机、装订机、移动电视机架、包装机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 120~160g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36.5X31X17cm 60pcs/CTN G.W.11kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6、7 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|--------------------------|--------------------------|--------------------------|
| 减速比<br>Reduction ratio                                                                            | 6、10; 20、30              | 60、90; 120、180、270       | 360、540、810; 1620、2430   |
| 齿轮箱长度<br>Gearbox length "L" mm                                                                    | 18                       | 20.5 23                  | 25                       |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                  | 10kgf.cm                 | 10kgf.cm                 |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 8kgf.cm                  | 30kgf.cm                 | 30kgf.cm                 |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 81%; 73%                 | 65%; 59%                 | 53%; 48%                 |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                          |                          |                          |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                      | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| RG-37M528123400     | 12                   | ≤40            | 3400         | ≤180               | 2500         | 40            | 1.0                  | 160                 | 720            |
| RG-37M528124500     | 12                   | ≤60            | 4500         | ≤350               | 3300         | 60            | 2.0                  | 210                 | 1400           |
| RG-37M528126000     | 12                   | ≤70            | 6000         | ≤720               | 4500         | 80            | 3.6                  | 300                 | 2800           |
| RG-37M528243000     | 24                   | ≤15            | 3000         | ≤80                | 2200         | 40            | 0.9                  | 140                 | 320            |
| RG-37M528244500     | 24                   | ≤25            | 4500         | ≤180               | 3300         | 60            | 2.0                  | 210                 | 730            |
| RG-37M528246700     | 24                   | ≤45            | 6700         | ≤360               | 4500         | 80            | 3.6                  | 300                 | 1400           |

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .

• 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 .



## SG-25 直流减速电机 DC GEAR MOTOR Series

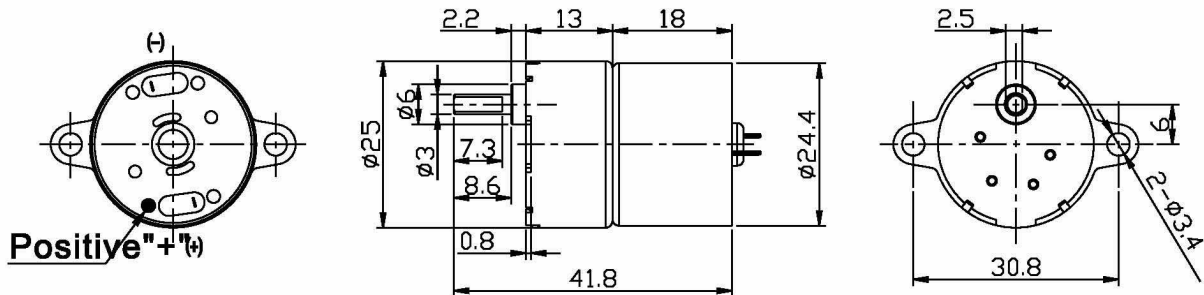
**电压/Main voltage:** 3VDC、5VDC、6VDC、9VDC、12VDC、24VDC

**用途/Typical applications:** 各种指纹锁、水表IC卡、玩具礼品、光学设备、自动节能浴具、办公设备、家用电器、执行器  
Kind of finger-electroni locks, Water meter IC card, Toys and gifts, Optical equipment, Automatic energy saving bath, Office equeipment, Household appliances, Automatic actuator.

**重量/Weight:** 40~45g/pcs(approx)

**包装外形尺寸/Packing details:** CTN size: 37X27.5XH21cm 200pcs/CTN G.W.8kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages          | 3 减速比 Stages reduction | 4 减速比 Stages reduction | 5 减速比 Stages reduction |
|------------------------------------|------------------------|------------------------|------------------------|
| 减速比<br>Reduction ratio             | 20.5                   | 63.7                   | 108、197                |
| 最大运转力矩<br>Max. Running torque      | 0.1kgf.cm              | 0.2kgf.cm              | 0.5kgf. cm             |
| 最大破坏力矩<br>Max. Gear breking torque | 0.3kgf.cm              | 0.6kgf.cm              | 1.5kgf.cm              |
| 最高齿轮效率<br>Max. Gearing efficiency  | 73%                    | 65%                    | 59%                    |

其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department.

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated<br>Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                            | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                            | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| SG-25055200         | 5                          | ≤30            | 5200         | ≤80                | 4400         | 4.5           | 0.2                  | 29                  | 350            |
| SG-25123300         | 5                          | ≤10            | 3300         | ≤30                | 2400         | 6.7           | 0.16                 | 24.5                | 83             |

- 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .
- 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 .





## SG-27 直流减速电机 DC GEAR MOTOR Series

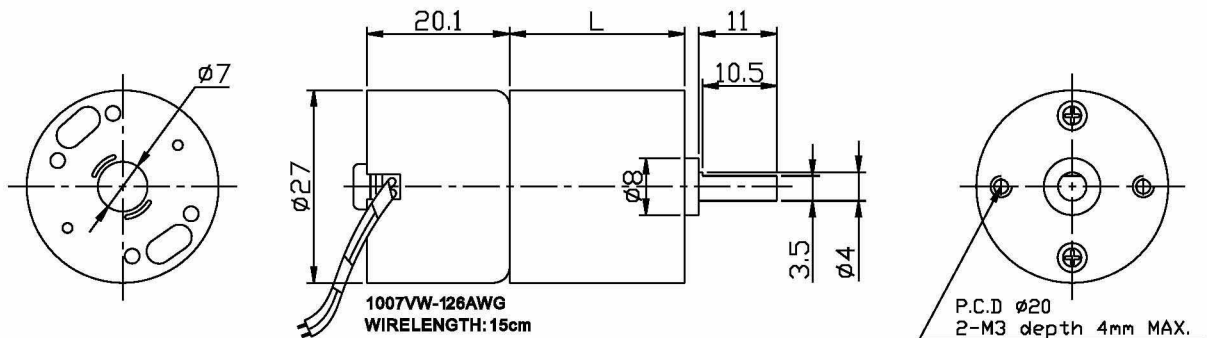
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 各种指纹锁、水表IC卡、玩具礼品、光学设备、自动节能浴具、办公设备、家用电器、执行器  
Kind of finger-electroni locks, Water meter IC card, Toys and gifts, Optical equipment, Automatic energy saving bath, Office equeipment, Household appliances, Automatic actuator.

重量/Weight: 80~90g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 37X27.5XH21cm 200pcs/CTN G.W.18kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages          | 4 减速比     | 5 减速比<br>Stages reduction | 6 减速比<br>Stages reduction | 7 减速比<br>Stages reduction |
|------------------------------------|-----------|---------------------------|---------------------------|---------------------------|
| 减速比<br>Reduction ratio             | 30、39     | 74、97                     | 187、244                   | 468、610                   |
| 齿轮箱长度<br>Gearbox length "L" mm     | 17.1      | 19.6                      | 22.1                      | 24.6                      |
| 最大运转转矩<br>Max. Running torque      | 0.5kgf.cm | 1kgf.cm                   | 2kgf.cm                   | 3kgf.cm                   |
| 最大破坏力矩<br>Max. Gear breking torque | 1.5kgf.cm | 3kgf.cm                   | 6kgf.cm                   | 9kgf.cm                   |
| 最高齿轮效率<br>Max. Gearing efficiency  | 65%       | 59%                       | 53%                       | 48%                       |

其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department.

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|-------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                         | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                         | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| SG-27063800         | 6                       | ≤30            | 3800         | ≤150               | 2850         | 16            | 0.46                 | 64                  | 500            |
| SG-27065000         | 6                       | ≤40            | 5000         | ≤250               | 3750         | 21            | 0.78                 | 80                  | 900            |
| SG-27123800         | 12                      | ≤15            | 3800         | ≤80                | 2850         | 16            | 0.46                 | 64                  | 250            |
| SG-27125000         | 12                      | ≤20            | 5000         | ≤130               | 3800         | 21            | 0.78                 | 80                  | 450            |
| SG-27127600         | 12                      | ≤40            | 7600         | ≤300               | 5700         | 31            | 1.8                  | 120                 | 1100           |
| SG-27246000         | 24                      | ≤25            | 6000         | ≤100               | 4500         | 24            | 1.1                  | 95                  | 320            |

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .

• 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 .



## RG33M528 直流减速电机 DC GEAR MOTOR Series

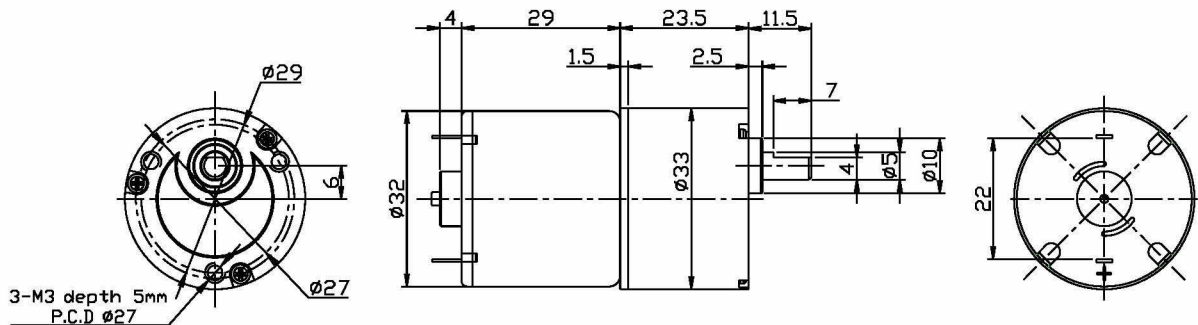
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC

用途/Typical applications: 自动坐便阀器门、百叶窗、点钞机、移动电视机架、捆钞机、舞台灯光、纸币机、办公设备、家用电器、执行器  
Auto shutter, Money detector, Binding machine, Automatic TV rack, Packing bank note machine, Stage Lighting, Tissue machine, Office equipment, Household appliances, Automatic actuator.

重量/Weight: 150~180g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 36.5X31X17cm 60pcs/CTN G.W.12kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages                                                                         | 3 减速比 Stages reduction | 4 减速比 Stages reduction | 5 减速比 Stages reduction |
|---------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|
| 减速比<br>Reduction ratio                                                                            | 25                     | 73                     | 211                    |
| 最大运转力矩<br>Max. Running torque                                                                     | 2kgf.cm                | 5kgf.cm                | 8kgf. cm               |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 6kgf.cm                | 15kgf.cm               | 24kgf.cm               |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 73%                    | 65%                    | 59%                    |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                        |                        |                        |

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated<br>Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                            | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                            | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| RG33M528123400      | 12                         | ≤40            | 3400         | ≤180               | 2500         | 40            | 1.0                  | 160                 | 720            |
| RG33M528124500      | 12                         | ≤60            | 4500         | ≤350               | 3300         | 60            | 2.0                  | 210                 | 1400           |
| RG33M528126000      | 12                         | ≤70            | 6000         | ≤720               | 4500         | 80            | 3.6                  | 300                 | 2800           |
| RG33M528243000      | 24                         | ≤15            | 3000         | ≤80                | 2200         | 40            | 0.9                  | 140                 | 320            |
| RG33M528244500      | 24                         | ≤25            | 4500         | ≤180               | 3300         | 60            | 2.0                  | 210                 | 730            |
| RG33M528246700      | 24                         | ≤45            | 6700         | ≤360               | 4500         | 80            | 3.6                  | 300                 | 1400           |

• 这张表格只列出部分电机参数，想了解更多具体参数请参照92页。

• This table lists some motors parameters, others please refer to specific parameters of Page 92.

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比。

• 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.

## RG50 变速箱系列 Series Gearbox (Φ50.8mmXLmm)



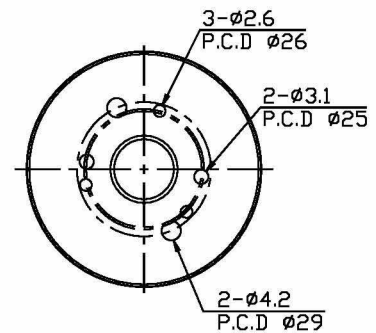
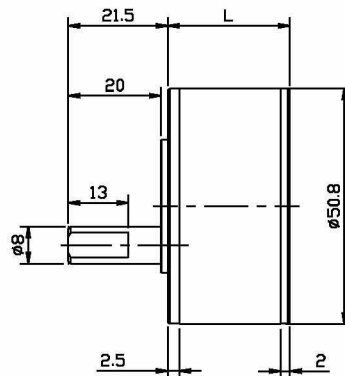
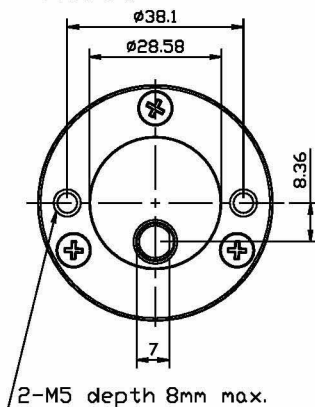
- Note:** 1、外壳材料: 锌合金 Housing material: zinc alloy  
2、齿轮间隙, 在空载时:  $\leq 2^\circ$  Backlash, at no-load:  $\leq 2^\circ$   
3、输出轴轴承: 滑动轴承 Bearing at output: Sleeve bearings  
4、输出轴的径向间隙:  $\leq 0.05\text{mm}$  Radial play of shaft:  $\leq 0.05\text{mm}$   
5、输出轴轴向间隙:  $\leq 0.5\text{mm}$  Thrust play shaft:  $\leq 0.5\text{mm}$   
6、齿轮箱可以适用于 528, 545, 555, 775, ZY40, ZY45 马达。  
The gear box can apply to 528, 545, 555, 775, ZY40, ZY45 motors.  
7、如果电机在低转速、高速比的组合下, 负载力矩高于90kgf.cm, 会损坏齿轮箱齿轮。

When the motors using at low speed, high gear ratio will cause gear motor torque more than 90kgf.cm. At this torque the gears will be broken easily. Be noted.

- 8、当安装齿轮箱电机时安装螺丝旋入箱体长度不得超过8mm, 否则会造成内部机构变形和损坏。

When install the gear motor please don't let the screws go through into the gearbox internal more than 8mm. If so the gearbox will be damaged.

### 外形尺寸 APPEARANCE SIZE



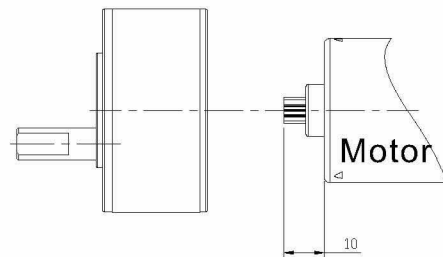
### 说明 PINION SPECIFICATIONS

| 型号 Module           | 0.5                                                    |                                                   |
|---------------------|--------------------------------------------------------|---------------------------------------------------|
| 牙数 No. of teeth     | 10                                                     | 10 (D)                                            |
| 压力角 Pressure angle  | $20^\circ$                                             |                                                   |
| 孔径 Hole diameter    | $\Phi 3.16$                                            | $\Phi 2.5$ (D)                                    |
| 减速比 Reduction ratio | 7.2, 13.3, 29, 53, 116, 170, 213, 464, 853, 1856, 3415 | 7.5, 13.8, 30, 55, 120, 220, 480, 883, 1920, 3532 |

★ 电机运行湿度为20%~85% Operating relative humidity 20%~85%RH

★ 电机运行温度范围-10℃~+60℃ Operating temperature range -10℃~+60℃

### 电机安装 MOTOR INSTALLATION



### 齿轮箱规格 GEARBOXES SPECIFICATIONS

| 减速比<br>Reduction ratio | 额定扭矩<br>Rated torque | 最大可承受扭矩<br>Max breaking torque | 效率<br>Efficiency | 级数<br>Number of stages | 减速箱长度<br>“L” mm | 转向(与电机的转向)<br>Direction (Relationship with motor) |
|------------------------|----------------------|--------------------------------|------------------|------------------------|-----------------|---------------------------------------------------|
| 7.2, 7.5               | 10kgf. cm            | 30kgf. cm                      | 81%              | 2                      | 26.4            | Same                                              |
| 13.3, 13.8             | 10kgf. cm            | 30kgf. cm                      | 81%              | 2                      | 26.4            | Same                                              |
| 29, 30                 | 10kgf. cm            | 30kgf. cm                      | 73%              | 3                      | 26.4            | Different                                         |
| 53, 55                 | 10kgf. cm            | 30kgf. cm                      | 73%              | 3                      | 26.4            | Different                                         |
| 116, 120               | 30kgf. cm            | 75kgf. cm                      | 65%              | 4                      | 30.2            | Same                                              |
| 213, 220               | 30kgf. cm            | 75kgf. cm                      | 65%              | 4                      | 30.2            | Same                                              |
| 464, 480               | 30kgf. cm            | 75kgf. cm                      | 59%              | 5                      | 33.9            | Different                                         |
| 853, 883               | 30kgf. cm            | 75kgf. cm                      | 59%              | 5                      | 33.9            | Different                                         |
| 1856, 1920             | 30kgf. cm            | 75kgf. cm                      | 53%              | 6                      | 37.7            | Same                                              |
| 3415, 3525             | 30kgf. cm            | 75kgf. cm                      | 53%              | 6                      | 37.7            | Same                                              |





## RG50M528 直流减速电机 DC GEAR MOTOR Series

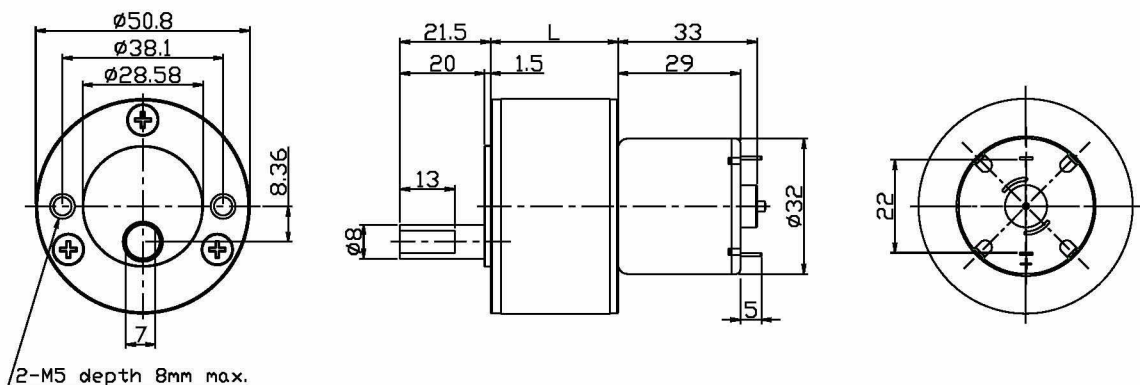
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 垃圾处理器、自动贩卖机、蠕动泵子、望远镜、自动门、电视广告、医疗器械、ATM银行系统、家用电器、执行器、办公设备 Garbage disposers, Slot machine, Peristaltic pump, Angular telescope, Automatic door, Electric advertising, Medical equipment, ATM bank automatic system, Household appliances, Automatic actuator, Office equipment.

重量/Weight: 360~420g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 34X31XH15cm 20pcs/CTN G.W.9kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages          | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6 减速比 Stages reduction |
|------------------------------------|--------------------------|--------------------------|------------------------|
| 减速比<br>Reduction ratio             | 7.5、13.8; 30、55          | 120、220; 480、883         | 1920、3532              |
| 齿轮箱长度<br>Gearbox length "L" mm     | 26.4                     | 30.2 33.9                | 37.7                   |
| 最大运转力矩<br>Max. Running torque      | 10kgf.cm                 | 30kgf.cm                 | 30kgf.cm               |
| 最大破坏力矩<br>Max. Gear breking torque | 30kgf.cm                 | 75kgf.cm                 | 75kgf.cm               |
| 最高齿轮效率<br>Max. Gearing efficiency  | 81%; 73%                 | 65%; 59%                 | 53%                    |

其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department.

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                      | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| RG50M528123400      | 12                   | ≤40            | 3400         | ≤180               | 2500         | 40            | 1.0                  | 160                 | 720            |
| RG50M528124500      | 12                   | ≤60            | 4500         | ≤350               | 3300         | 60            | 2.0                  | 210                 | 1400           |
| RG50M528126000      | 12                   | ≤70            | 6000         | ≤720               | 4500         | 80            | 3.6                  | 300                 | 2800           |
| RG50M528243000      | 24                   | ≤15            | 3000         | ≤80                | 2200         | 40            | 0.9                  | 140                 | 320            |
| RG50M528244500      | 24                   | ≤25            | 4500         | ≤180               | 3300         | 60            | 2.0                  | 210                 | 730            |
| RG50M528246700      | 24                   | ≤45            | 6700         | ≤360               | 4500         | 80            | 3.6                  | 300                 | 1400           |

• 这张表格只列出部分电机参数，想了解更多具体参数请参照93页。

• This table lists some motors parameters, others please refer to specific parameters of Page 93.

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比。

• 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.



## RG50M555 直流减速电机 DC GEAR MOTOR Series

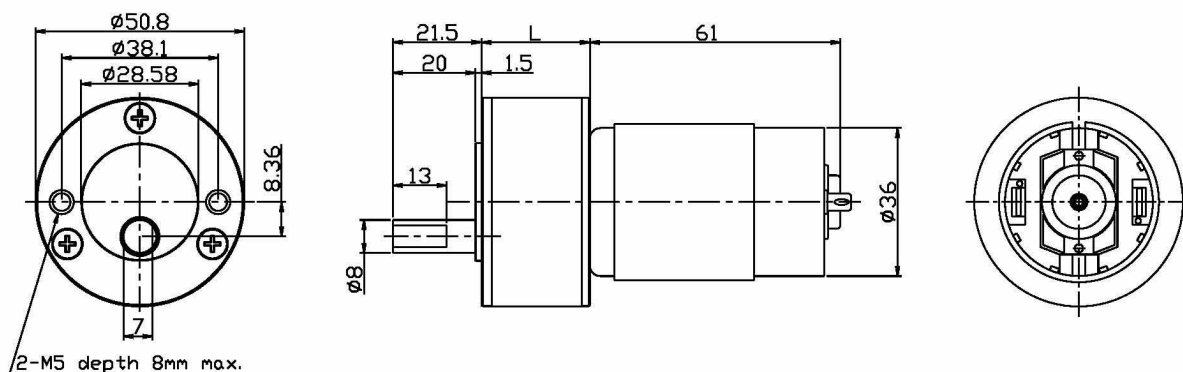
**电压/Main voltage:** 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

**用途/Typical applications:** 垃圾处理、自动贩卖机、蠕动泵、望远镜、自动门、电视广告、医疗器械、ATM银行系统、家用电器、执行器、办公设备 Garbage disposers, Slot machine, Peristaltic pump, Angular telescope, Automatic door, Electric advertising, Medical equipment, ATM bank automatic system, Household appliances, Automatic actuator, Office equipment.

**重量/Weight:** 450~500g/pcs(approx)

**包装外形尺寸/Packing details:** CTN size: 34X31XH15cm 20pcs/CTN G.W.13kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages           | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6 减速比 Stages reduction |
|-------------------------------------|--------------------------|--------------------------|------------------------|
| 减速比<br>Reduction ratio              | 7.2、13.3; 29、53          | 116、213; 464、853         | 1856、3415              |
| 齿轮箱长度<br>Gearbox length "L" mm      | 26.4                     | 30.2 33.9                | 37.7                   |
| 最大运转力矩<br>Max. Running torque       | 10kgf.cm                 | 30kgf.cm                 | 30kgf.cm               |
| 最大破坏力矩<br>Max. Gear breaking torque | 30kgf.cm                 | 75kgf.cm                 | 75kgf.cm               |
| 最高齿轮效率<br>Max. Gearing efficiency   | 81%; 73%                 | 65%; 59%                 | 53%                    |

其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department.

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated<br>Volt.<br>V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                            | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                            | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | MA             |
| RG50M555123000      | 12                         | ≤140           | 3000         | ≤800               | 2200         | 150           | 3.3                  | 600                 | 3000           |
| RG50M555124500      | 12                         | ≤220           | 4500         | ≤1200              | 3300         | 220           | 7.2                  | 880                 | 4800           |
| RG50M555126000      | 12                         | ≤350           | 6000         | ≤2000              | 4500         | 300           | 13.5                 | 1200                | 6000           |
| RG50M555243000      | 24                         | ≤70            | 3000         | ≤400               | 2200         | 150           | 3.3                  | 600                 | 1600           |
| RG50M555244500      | 24                         | ≤110           | 4500         | ≤600               | 3300         | 220           | 7.2                  | 880                 | 3000           |
| RG50M555246000      | 24                         | ≤180           | 6000         | ≤1000              | 4500         | 300           | 13.5                 | 1200                | 4000           |

• 这张表格只列出部分电机参数，想了解更多具体参数请参照95页。

• This table lists some motors parameters, others please refer to specific parameters of Page 95.

• 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率; 输出转速 = 马达转速 / 减速比。

• 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.







## RG50M45 直流减速电机 DC GEAR MOTOR Series

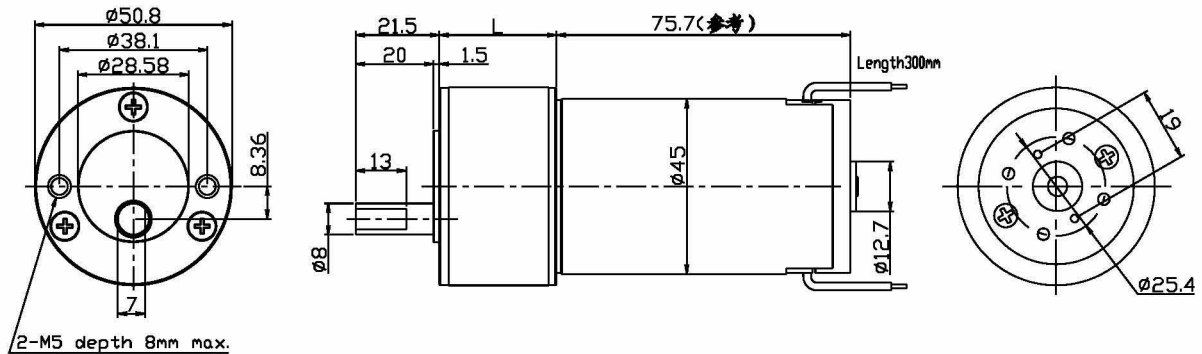
电压/Main voltage: 3VDC、6VDC、9VDC、12VDC、24VDC、36VDC

用途/Typical applications: 垃圾处理、自动贩卖机、蠕动泵、望远镜、自动门、电视广告、医疗器械、ATM银行系统、家用电器、执行器、办公设备 Garbage disposers, Slot machine, Peristaltic pump, Angular telescope, Automatic door, Electric advertising, Medical equipment, ATM bank automatic system, Household appliances, Automatic actuator, Office equipment.

重量/Weight: 500~550g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 34X31XH15cm 20pcs/CTN G.W.13kgs

### 外形尺寸 APPEARANCE SIZE



### 齿轮箱数据 Gearbox data

| 减速箱级数<br>Number of stages          | 2、3 减速比 Stages reduction | 4、5 减速比 Stages reduction | 6 减速比 Stages reduction |
|------------------------------------|--------------------------|--------------------------|------------------------|
| 减速比<br>Reduction ratio             | 7.5、13.8; 30、55          | 120、220; 480、883         | 1920、3532              |
| 齿轮箱长度<br>Gearbox length "L" mm     | 26.4                     | 30.2 33.9                | 37.7                   |
| 最大运转力矩<br>Max. Running torque      | 10kgf.cm                 | 30kgf.cm                 | 30kgf.cm               |
| 最大破坏力矩<br>Max. Gear breking torque | 30kgf.cm                 | 75kgf.cm                 | 75kgf.cm               |
| 最高齿轮效率<br>Max. Gearing efficiency  | 81%; 73%                 | 65%; 59%                 | 53%                    |

其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department.

### 马达参数 Motor data

| 马达型号<br>Motor Model | 电 压<br>Rated Volt. V | 空 载<br>No load |              | 负 载<br>Load torque |              |               |                      | 堵 转<br>Stall torque |                |
|---------------------|----------------------|----------------|--------------|--------------------|--------------|---------------|----------------------|---------------------|----------------|
|                     |                      | 电 流<br>Current | 转 速<br>Speed | 电 流<br>Current     | 转 速<br>Speed | 扭 矩<br>Torque | 输出功率<br>Output power | 扭 矩<br>Torque       | 电 流<br>Current |
|                     |                      | mA             | r/min        | mA                 | r/min        | gf. cm        | W                    | gf. cm              | A              |
| RG50M45123000       | 12                   | ≤210           | 3000         | ≤1200              | 2430         | 390           | 9.5                  | 2470                | 6.6            |
| RG50M45124500       | 12                   | ≤440           | 4500         | ≤2050              | 3710         | 480           | 17.8                 | 2706                | 10.2           |
| RG50M45126000       | 12                   | ≤630           | 6000         | ≤4150              | 5240         | 610           | 31.9                 | 4700                | 20.3           |
| RG50M45243000       | 24                   | ≤120           | 3000         | ≤620               | 2590         | 380           | 9.84                 | 2160                | 3.4            |
| RG50M45244500       | 24                   | ≤270           | 4500         | ≤1340              | 3850         | 490           | 18.8                 | 3233                | 5.5            |
| RG50M45246000       | 24                   | ≤360           | 6000         | ≤2050              | 5120         | 650           | 33.2                 | 4715                | 12.2           |

- 马达和齿轮箱装配成减速电机后输出扭矩 = 马达扭矩X减速比X齿轮效率;输出转速 = 马达转速 / 减速比 .
- 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 .



### 38TYD-250-1 直流减速电机 DC GEAR MOTOR Series

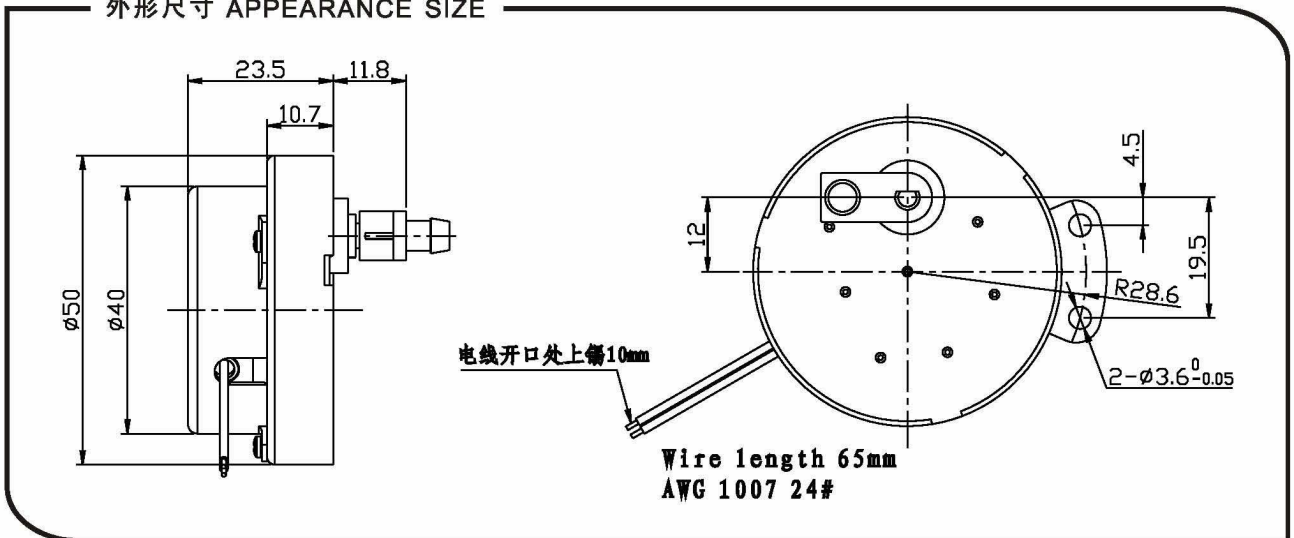
电压/Main voltage: 3VDC、5VDC、6VDC、9VDC、12VDC、24VDC

用途/Typical applications: 孵蛋器专用电机也适用于其它自动化设备等  
Special motor for eggincubator and other automatic equipment

重量/Weight: 40~45g/pcs(approx)

包装外形尺寸/Packing details: CTN size: 33.5X33.5XH29cm 100pcs/CTN G.W.11.3kgs

#### 外形尺寸 APPEARANCE SIZE



#### 齿轮箱数据 Gearbox data

|                                                                                                   |                        |
|---------------------------------------------------------------------------------------------------|------------------------|
| 减速箱级数<br>Number of stages                                                                         | 4 减速比 Stages reduction |
| 减速比<br>Reduction ratio                                                                            | 72000                  |
| 最大运转力矩<br>Max. Running torque                                                                     | 5kgf.cm                |
| 最大破坏力矩<br>Max. Gear breking torque                                                                | 15kgf.cm               |
| 最高齿轮效率<br>Max. Gearing efficiency                                                                 | 20%                    |
| 其它减速比请致电或邮件给我司技术部 Other reduction ratio please telephone or e-mail to our engineering department. |                        |

#### 技术参数 MOTOR SPECIFICATIONS

| 电机型号<br>MOTOR MODEL | 尺寸<br>Size (A)<br>mm | 额定电压<br>Rated Volt.<br>V | 最大效率点 At maximum efficiency |                |              |               |               |
|---------------------|----------------------|--------------------------|-----------------------------|----------------|--------------|---------------|---------------|
|                     |                      |                          | 频率<br>Freq.                 | 电 流<br>Current | 转 速<br>Speed | 扭 矩<br>Torque | 输入功率<br>Input |
|                     |                      |                          | Hz                          | mA             | r/min        | g. cm         | Power(W)      |
| 38TYD               | 16.5                 | 220 240                  | 50                          | 0.25           | 2450         | 140           | 26            |
| 38TYD               | 16.5                 | 100 120                  | 60                          | 0.28           | 2600         | 140           | 27            |