

# DC Gear Motor Series



Gearbox with Sleeve Bearings

## GPMM60-2431W

Operating Rative Humidity: 20%~85%RH  
 Operating Temperature Range: 0~+50°C

### MOTOR INSTALLATION

|                       |                 |
|-----------------------|-----------------|
| Rated Volt (V)        | 24              |
| Rated Torque (g-cm)   | 1200            |
| Rated Speed (rpm)     | 2500            |
| Rated Current (mA)    | ≤1800           |
| No Load Speed (rpm)   | 3000            |
| No Load Current (mA)  | ≤400            |
| Rated Output (W)      | 30.81           |
| Start Torque          | 1500            |
| Insulation Voltage    | 60HZ AC500V     |
| Insulation Resistance | 100MΩ DC500V    |
| Insulation Class      | A class (105°C) |

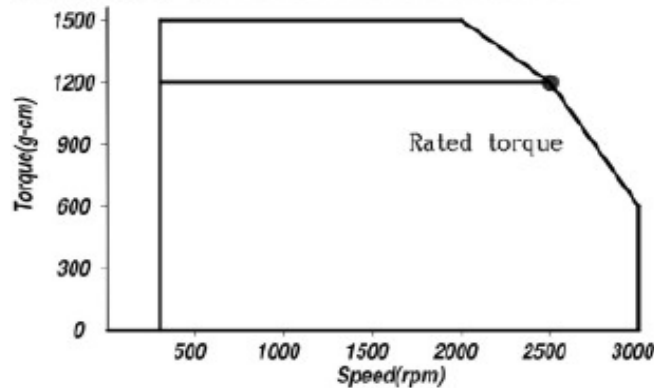
| Reduction Ratio | L    |
|-----------------|------|
| 1/3~1/4         | 43.3 |
| 1/14~1/24       | 58.8 |
| 1/49~1/144      | 74.3 |
| 1/212~1/864     | 89.8 |



### GEAR MOTOR TORQUE / SPEED

| Reduction Ratio      | 1/3 | 1/4 | 1/12 | 1/15 | 1/19 | 1/43 | 1/53 | 1/66 | 1/81 | 1/100 | 1/113 | 1/150 | 1/230 | 1/285 | 1/353 | 1/488 | 1/546 | 1/676 |     |
|----------------------|-----|-----|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Rated Torque (kg-cm) | 3.3 | 4.1 | 10   | 12.6 | 15.8 | 30.8 | 38   | 47.5 | 58   | 72    | 81    | 90    | 80    | 100   | 100   | 100   | 100   | 100   | 100 |
| Rated Speed (rpm)    | 714 | 576 | 204  | 164  | 133  | 58   | 47   | 38   | 30.7 | 25    | 22.1  | 16.6  | 10.8  | 8.7   | 7.1   | 5.1   | 4.5   | 3.6   | 3.6 |

### MOTOR CHARACTERISTICS



### DRAWING

