

Datasheet

ENGLISH

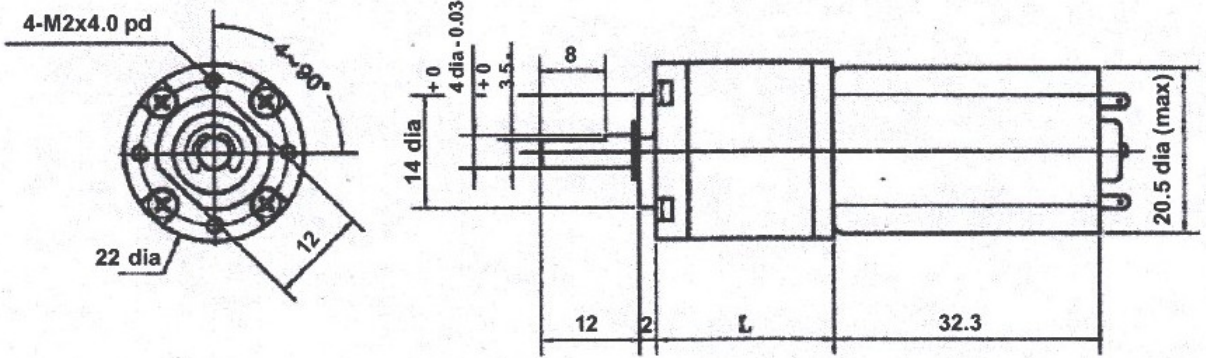
RS PRO, 12 V dc, 2000 gcm, Brushed DC Geared Motor, Output Speed 77 rpm

Stock No: 420-704



Specifications:

| | |
|-----------------------|-----------|
| Output Speed | 77 rpm |
| Supply Voltage | 12 V dc |
| Maximum Output Torque | 2000 g.cm |
| DC Motor Type | Brushed |
| Shaft Diameter | 4mm |
| Power Rating | 1.36 W |
| Gearhead Type | Planetary |
| Length | 54mm |
| Width | 22mm |
| Current Rating | 240 mA |
| Weight | 83g |



Operating relative humidity 20% ~ 85%
 Operating temperature range -10°C ~ +60°C

| Ratio | L |
|-------|--------|
| 104:1 | 14.4mm |

| Gearbox Housing material | Metal |
|--------------------------------|-----------------|
| Backlash at no-load | < 3° |
| Bearing at output | Sleeve bearings |
| Radial load (10mm from flange) | < 0.8 kgf |
| Shaft axial load | < 0.6 kgf |
| Shaft press fit force max | < 5 kgf |
| Radial play of shaft | < 0.08mm |
| Thrust play of shaft | < 0.2mm |

| Reduction Ratio | Rated tolerance Torque | Max momentary Tolerance Torque | Efficiency |
|-----------------|------------------------|--------------------------------|------------|
| 1/104 | 2.0 kgf-cm Max. | 6.0 kgf-cm | 60% |

| Reduction Table RPM SUPPLY VOLTAGE | 4.5v | 6v | 9v | 12v |
|---------------------------------------|------|----|----|-----|
| 420-704 | 29 | 39 | 58 | 77 |

Note: Motor speeds may vary by (+) or (-) 12.5%