

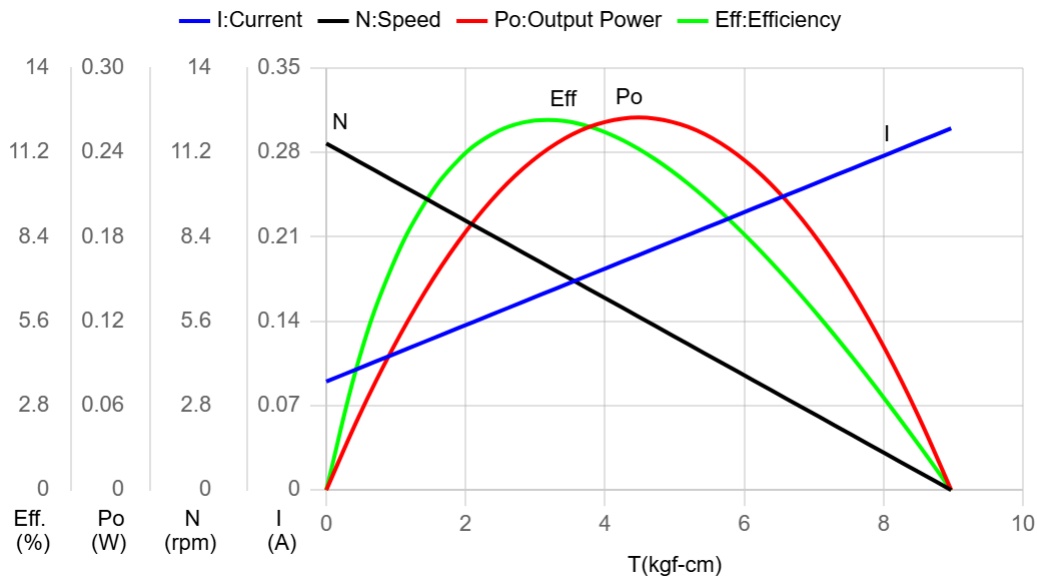
| No. | Item | Specification | No. | Item | Specification |
|-----|-----------------|---------------|-----|---------------|---------------|
| 1 | Rated Voltage | 12V DC | 7 | Rated Current | 0.13A Max |
| 2 | Voltage range | 12V DC ±10% | 8 | Stall Current | 0.3A |
| 3 | No Load Speed | 11.5±10%RPM | 9 | Stall Torque | 9.3kg.cm |
| 4 | No Load Current | 0.09A Max | 10 | Gear Ratio | 1:690 |
| 5 | Rated Load | 2.0kg.cm | | | |
| 6 | Rated Speed | 8.9±10%RPM | | | |

| Drawn | Tony | 05/12/2026 | Unit: mm | | |
|------------------------|------|------------|--|-------------|--|
| Checked | Eva | 05/12/2026 | Kysan Electronics www.kysanelectronics.com | | |
| Eng Appr. | | | | | |
| Mfg Appr. | | | | | |
| Q.A. | | | | | |
| SKU: 1030111 | | | Siae: A4 | Weight(Kg): | |
| | | | Scale | | |

MFG: IG-16GM-12V9RPM-SSG

Voltage: 12V

Date: 2026.05.12



| | I(A) | T(kgf-cm) | T(N-m) | N(rpm) | Pi(W) | Po(W) | Eff(%) |
|----------|------|-----------|--------|--------|-------|-------|--------|
| No Load | 0.09 | 0.00 | 0.00 | 11.50 | 1.08 | 0.00 | 0.00 |
| Stall | 0.30 | 8.97 | 0.88 | 0.00 | 3.60 | 0.00 | 0.00 |
| Max. Po | 0.19 | 4.25 | 0.42 | 6.05 | 2.27 | 0.26 | 11.62 |
| Max. Eff | 0.17 | 3.30 | 0.32 | 7.26 | 2.01 | 0.25 | 12.27 |

| Item | I(A) | T(kgf-cm) | T(N-m) | N(rpm) | Pi(W) | Po(W) | Eff(%) |
|------|------|-----------|--------|--------|-------|-------|--------|
| 1 | 0.09 | 0.00 | 0.00 | 11.50 | 1.08 | 0.00 | 0.00 |
| 2 | 0.10 | 0.47 | 0.05 | 10.89 | 1.21 | 0.05 | 4.36 |
| 3 | 0.11 | 0.94 | 0.09 | 10.29 | 1.35 | 0.10 | 7.42 |
| 4 | 0.12 | 1.42 | 0.14 | 9.68 | 1.48 | 0.14 | 9.53 |
| 5 | 0.13 | 1.89 | 0.19 | 9.08 | 1.61 | 0.18 | 10.93 |
| 6 | 0.15 | 2.36 | 0.23 | 8.47 | 1.74 | 0.21 | 11.78 |
| 7 | 0.16 | 2.83 | 0.28 | 7.87 | 1.88 | 0.23 | 12.20 |
| 8 | 0.17 | 3.30 | 0.32 | 7.26 | 2.01 | 0.25 | 12.27 |
| 9 | 0.18 | 3.78 | 0.37 | 6.66 | 2.14 | 0.26 | 12.06 |
| 10 | 0.19 | 4.25 | 0.42 | 6.05 | 2.27 | 0.26 | 11.62 |
| 11 | 0.20 | 4.72 | 0.46 | 5.45 | 2.41 | 0.26 | 10.98 |
| 12 | 0.21 | 5.19 | 0.51 | 4.84 | 2.54 | 0.26 | 10.17 |
| 13 | 0.22 | 5.67 | 0.56 | 4.24 | 2.67 | 0.25 | 9.23 |
| 14 | 0.23 | 6.14 | 0.60 | 3.63 | 2.80 | 0.23 | 8.16 |
| 15 | 0.24 | 6.61 | 0.65 | 3.03 | 2.94 | 0.21 | 6.99 |
| 16 | 0.26 | 7.08 | 0.69 | 2.42 | 3.07 | 0.18 | 5.74 |
| 17 | 0.27 | 7.55 | 0.74 | 1.82 | 3.20 | 0.14 | 4.40 |
| 18 | 0.28 | 8.03 | 0.79 | 1.21 | 3.33 | 0.10 | 2.99 |
| 19 | 0.29 | 8.50 | 0.83 | 0.61 | 3.47 | 0.05 | 1.52 |
| 20 | 0.30 | 8.97 | 0.88 | 0.00 | 3.60 | 0.00 | 0.00 |