

RoHS compliant



■ PART NUMBER DESIGNATION

MG16B - 060 - A B - 00

Series name

Rated voltage

A : DC6 V B : DC12 V

Gear ratio

030 : 1/30 60 : 1/60 120 : 1/120
240 : 1/240 300 : 1/300

■ LIST OF PART NUMBER & SPECIFICATIONS

| Gear Ratio | Rated Voltage | Part Number | Torque (m·Nm) | | | Speed (min ⁻¹) (Reference) | | Current (mA) | | | Length (mm) | | Weight (g) (Reference) |
|------------|---------------|-----------------|---------------|------|----------|--|-------|--------------|-------|----------|-------------|--------------------------------|------------------------|
| | | | Rated | Max. | Starting | No-Load | Rated | No-Load | Rated | Starting | Motor | Gear | |
| 1/30 | DC6 V | MG16B-030-AA-00 | 20 | 30 | > 50 | 477 | 380 | < 160 | < 400 | < 1600 | 35 | 14 (2 stage planetary gear) | 25 |
| | DC12 V | MG16B-030-AB-00 | | | | | | < 80 | < 250 | < 800 | | | |
| 1/60 | DC6 V | MG16B-060-AA-00 | 40 | 60 | > 100 | 213 | 160 | < 160 | < 400 | < 1600 | 38 | 17 (2 stage planetary gear) | 30 |
| | DC12 V | MG16B-060-AB-00 | | | | | | < 80 | < 250 | < 800 | | | |
| 1/120 | DC6 V | MG16B-120-AA-00 | 60 | 90 | > 170 | 127 | 100 | < 160 | < 400 | < 1600 | 41 | 20 (4 stage planetary gear) | 35 |
| | DC12 V | MG16B-120-AB-00 | | | | | | < 80 | < 250 | < 800 | | | |
| 1/240 | DC6 V | MG16B-240-AA-00 | 120 | 180 | > 350 | 53 | 40 | < 160 | < 400 | < 1600 | 41 | 20 (4 stage planetary gear) | 35 |
| | DC12 V | MG16B-240-AB-00 | | | | | | < 80 | < 250 | < 800 | | | |
| 1/300 | DC6 V | MG16B-300-AA-00 | 160 | 240 | > 400 | 45 | 34 | < 160 | < 400 | < 1600 | 41 | 20 (4 stage planetary gear) | 35 |
| | DC12 V | MG16B-300-AB-00 | | | | | | < 80 | < 250 | < 800 | | | |

※ Can also correspond to review for the rated voltage 24V, the gear ratios 1/15, 1/500, and 1/650.

MG16B

DC GEARED MOTORS

PERFORMANCE CURVES

(Figures in the table are typical values under rated operating condition.)

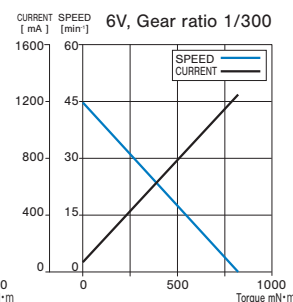
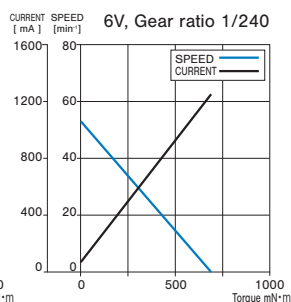
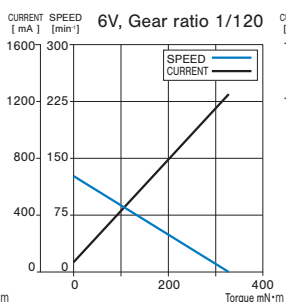
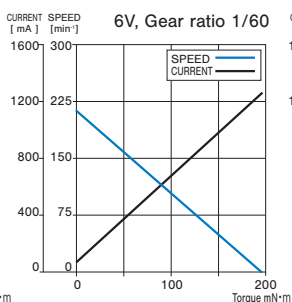
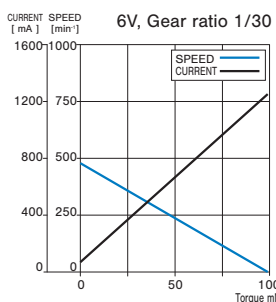
● MG16B-030-AA-00

● MG16B-060-AA-00

● MG16B-120-AA-00

● MG16B-240-AA-00

● MG16B-300-AA-00



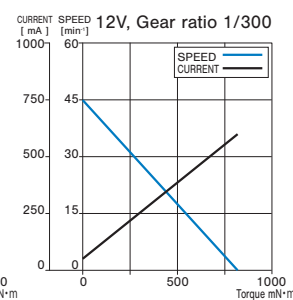
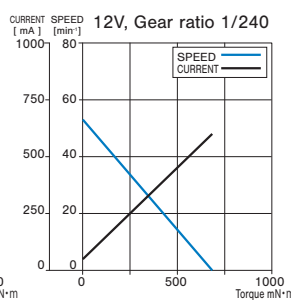
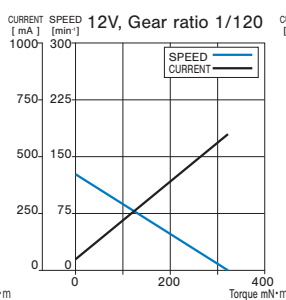
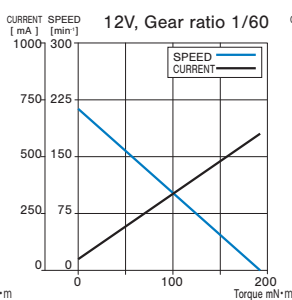
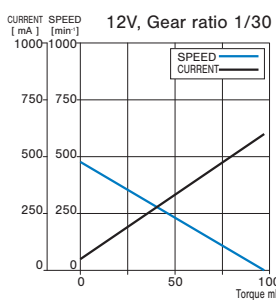
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● MG16B-060-AB-00

● MG16B-120-AB-00

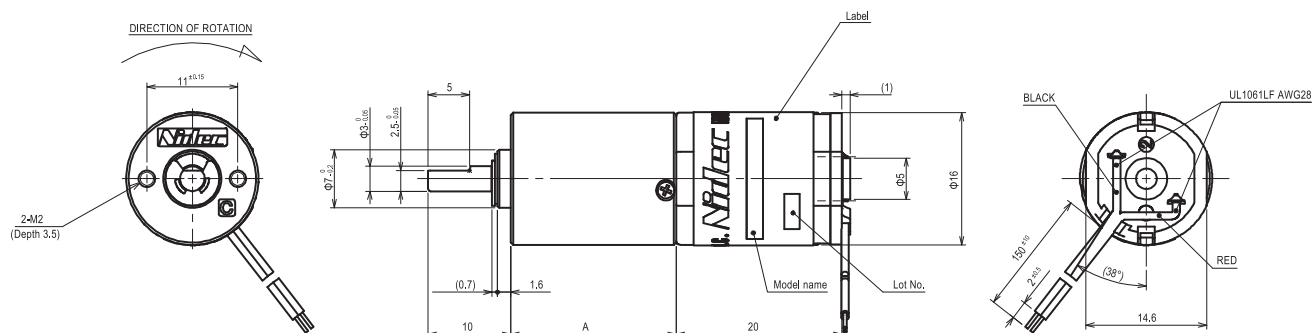
● MG16B-240-AB-00

● MG16B-300-AB-00



OUTLINE DIMENSIONS

(Unit: mm)



Mark A

| Gear ratio | 1/30 | 1/60 | 1/120 | 1/240 | 1/300 |
|------------|------|------|-------|-------|-------|
| A | 14 | 17 | | 20 | |