

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 <sup>-1</sup> ) (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<br>(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<br>(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<br>(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<br>(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<br>(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.)

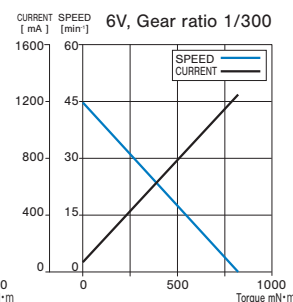
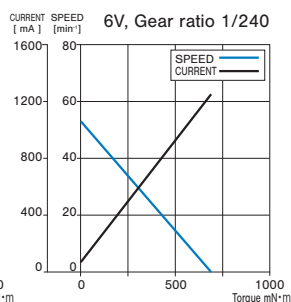
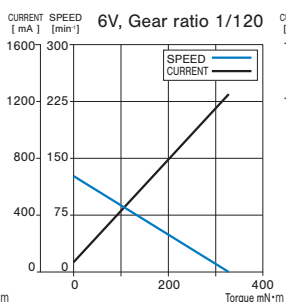
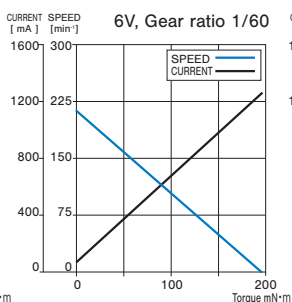
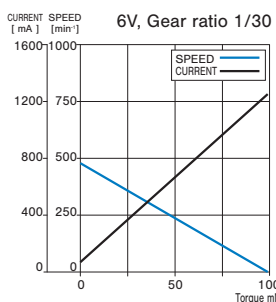
● MG16B-030-AA-00

● MG16B-060-AA-00

● MG16B-120-AA-00

● MG16B-240-AA-00

● MG16B-300-AA-00



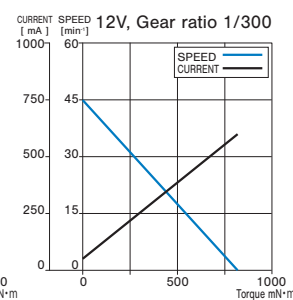
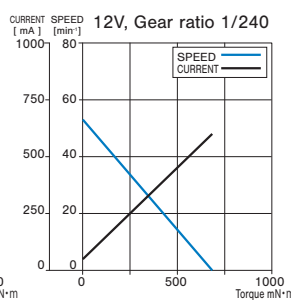
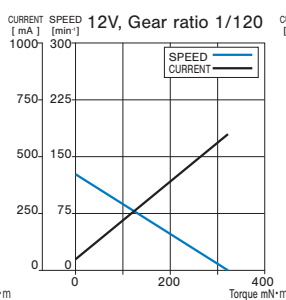
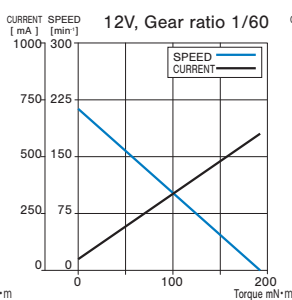
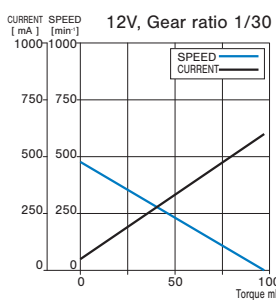
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● MG16B-060-AB-00

● MG16B-120-AB-00

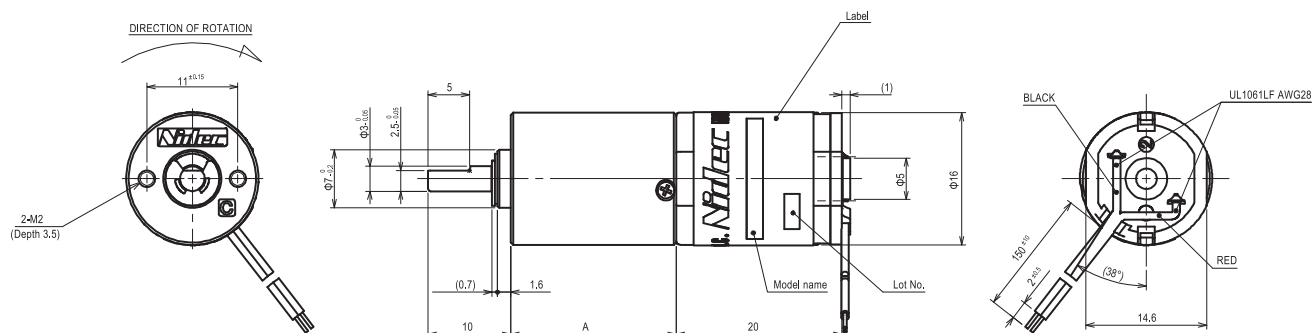
● MG16B-240-AB-00

● 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    |       |       |