

## SEP060

### BLDC SERVO MOTOR

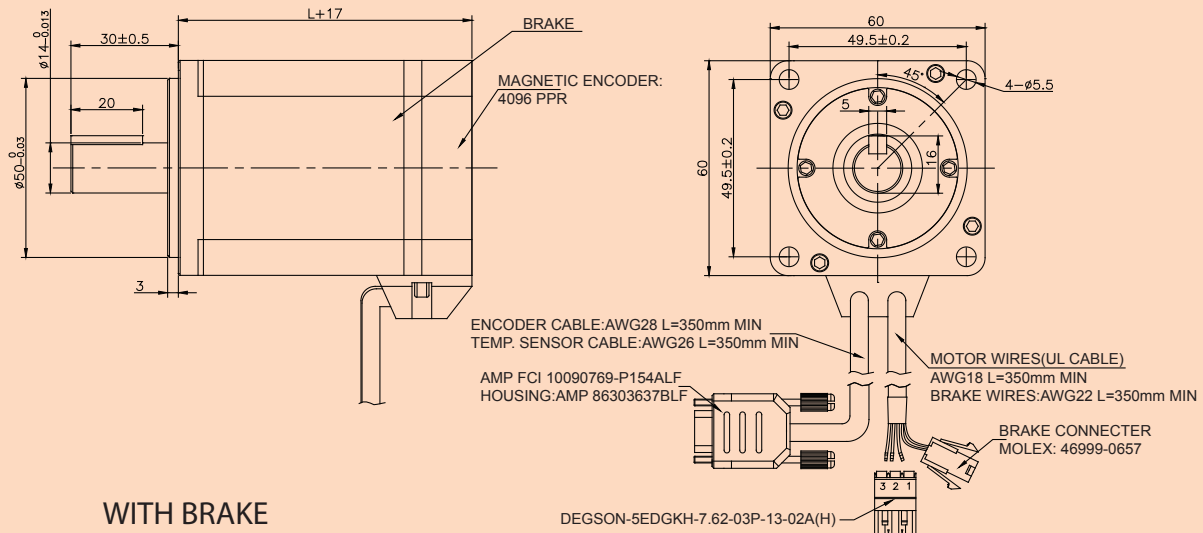
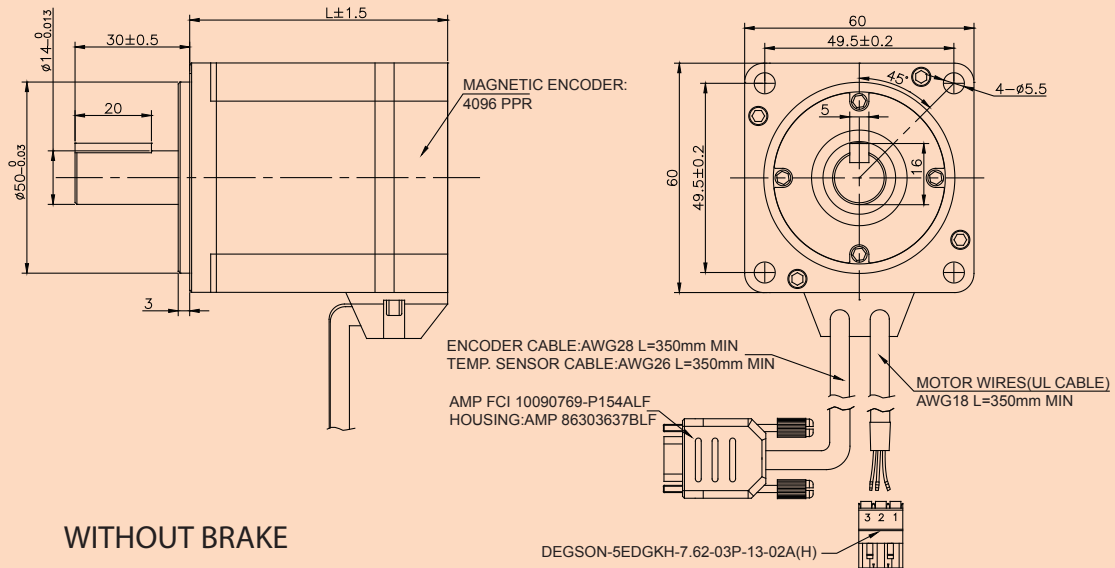


#### ● Specification

|                                       | Unit               | SEP060A(B)M200-001 | SEP060A(B)M200-002 | SEP060A(B)M400-001 | SEP060A(B)M400-002 |
|---------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Voltage                               | VDC                | 24                 | 48                 | 24                 | 48                 |
| Rated Power <i>P<sub>w</sub></i>      | W                  | 200                | 200                | 400                | 400                |
| Rated Speed <i>N<sub>n</sub></i>      | RPM                | 3000               | 3000               | 3000               | 3000               |
| Rated Torque <i>T<sub>n</sub></i>     | Nm                 | 0.64               | 0.64               | 1.27               | 1.27               |
| Rated Current <i>I<sub>n</sub></i>    | A                  | 11                 | 6.5                | 22                 | 12                 |
| Peak Torque <i>T<sub>m</sub></i>      | Nm                 | 1.92               | 1.92               | 3.81               | 3.81               |
| Peak Current <i>I<sub>m</sub></i>     | A                  | 32.4               | 19.5               | 66                 | 36                 |
| Resistance L-L <i>R<sub>I</sub></i>   | ohms               | 0.156              | 0.297              | 0.05               | 0.14               |
| Inductance L-L <i>L<sub>I</sub></i>   | mH                 | 0.33               | 0.78               | 0.16               | 0.45               |
| Voltage Constant <i>K<sub>e</sub></i> | Vrms/Krpm          | 3.8                | 5.9                | 3.8                | 6.4                |
| Torque Constant <i>K<sub>t</sub></i>  | Nm/Arms            | 0.06               | 0.09               | 0.06               | 0.11               |
| Rotor Inertia <i>J<sub>m</sub></i>    | Kg.mm <sup>2</sup> | 11.9               | 11.9               | 21.8               | 21.8               |
| Poles                                 |                    | 10                 | 10                 | 10                 | 10                 |
| IP Class                              |                    | 54                 | 54                 | 54                 | 54                 |
| Feedback Device<br>(Magnetic Encoder) | PPR                | 4096               | 4096               | 4096               | 4096               |
| Brake Torque                          | Nm                 | 1.3                | 1.3                | 1.3                | 1.3                |
| Length                                | mm                 | 64.5               | 64.5               | 84.5               | 84.5               |
|                                       |                    | 81.5 (with brake)  | 81.5 (with brake)  | 101.5 (with brake) | 101.5 (with brake) |
| Weight <i>W<sub>m</sub></i>           | Kg                 | 0.7                | 0.8                | 1.0                | 1.0                |
|                                       |                    | 0.96 (with brake)  | 0.96 (with brake)  | 1.30 (with brake)  | 1.30 (with brake)  |

## SEP060 BLDC SERVO MOTOR

### ● Mechanical



## SEP060 BLDC SERVO MOTOR

### ● Characteristic diagram

