

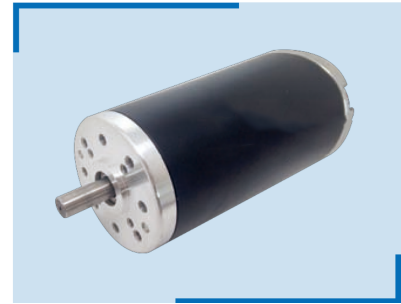
## Permanent Magnet Brush DC Motor APBR80x160

### Motor Specifications

Shaft materials 3Cr13, HRC 36~40  
 High quality ball bearing  
 Hard ferrite magnet, 2- poles  
 Protection class IP 50  
 Insulation class: F, operating temperature range:-40°C~+140°C  
 CE and ROHS certified

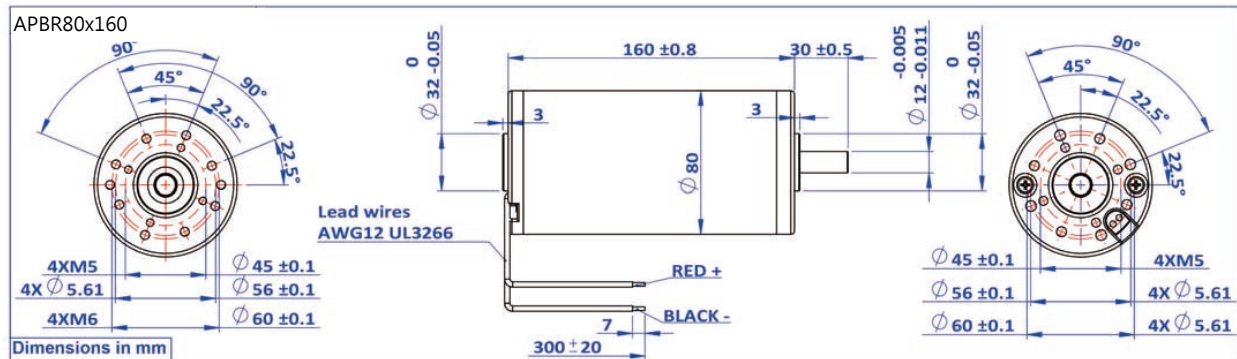
### Options

Customized voltage, winding, shaft, mounting, and lead configurations  
 EMI/RFI suppression circuit; Thermal protection, high temperature Class H insulation

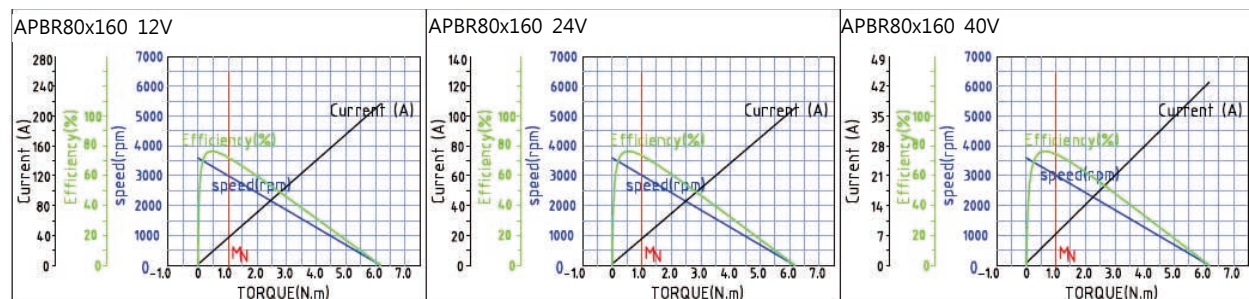


| Model                   | APBR80x160       |      |      |      |
|-------------------------|------------------|------|------|------|
| Rated voltage           | V dc             | 12   | 24   | 40   |
| Continuous rated speed  | rpm              | 3000 | 3000 | 3000 |
| Continuous rated torque | N.m              | 1.0  | 1.0  | 1.0  |
| Continuous current      | A                | 36.5 | 18.0 | 10.6 |
| Starting torque         | N.m              | 6.1  | 6.1  | 6.1  |
| Starting current        | A                | 216  | 106  | 62   |
| No load speed           | rpm              | 3600 | 3600 | 3600 |
| No load current         | A                | 1.5  | 1.0  | 0.8  |
| Demagnetization current | A                | 550  | 240  | 140  |
| Rotor inertia           | gcm <sup>2</sup> | 3700 | 3700 | 3700 |
| Weight of motor         | Kg               | 3.7  | 3.7  | 3.7  |
| Motor length            | mm               | 160  | 160  | 160  |

### Drawing



### Characteristic diagram



## We are here for you. Addresses and Contacts.

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