

## Permanent Magnet Brush DC Motor APBR52x125

### 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

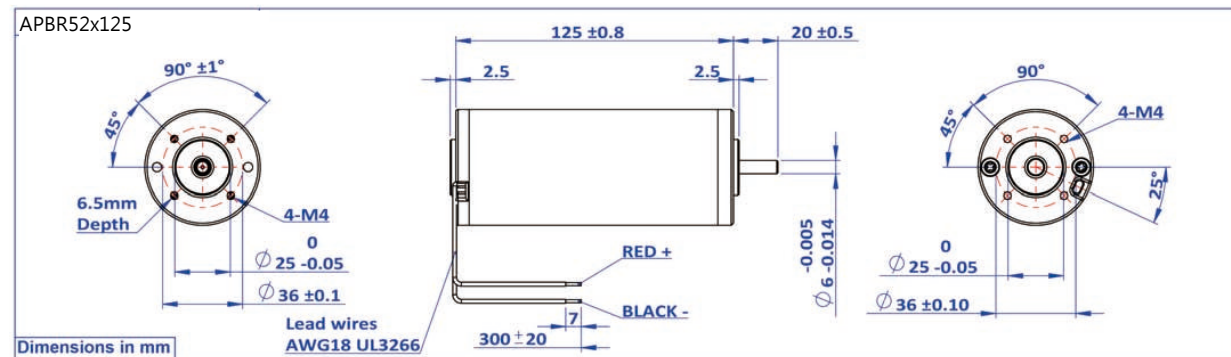
### Options

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

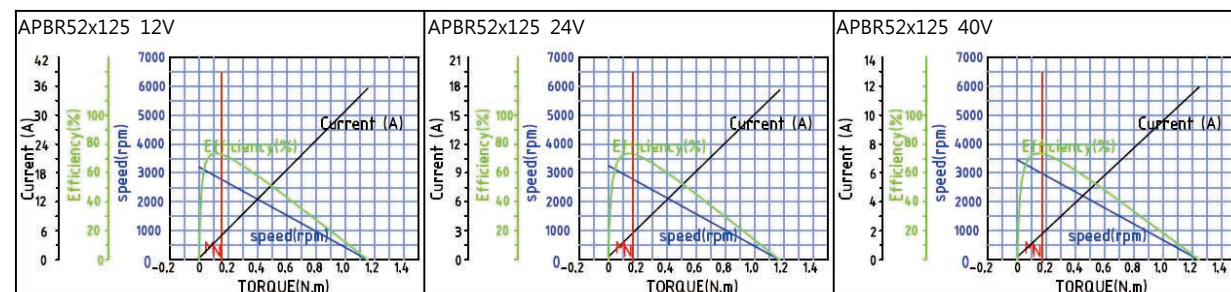


| Model                   | APBR52x125       |      |      |      |
|-------------------------|------------------|------|------|------|
| Rated voltage           | V dc             | 12   | 24   | 40   |
| Continuous rated speed  | rpm              | 2800 | 2800 | 3000 |
| Continuous rated torque | N.m              | 0.17 | 0.17 | 0.17 |
| Continuous current      | A                | 5.2  | 2.8  | 1.9  |
| Starting torque         | N.m              | 1.15 | 1.20 | 1.25 |
| Starting current        | A                | 35.6 | 17.6 | 11.9 |
| No load speed           | rpm              | 3200 | 3200 | 3500 |
| No load current         | A                | 0.50 | 0.40 | 0.30 |
| Demagnetization current | A                | 61   | 31   | 20   |
| Rotor inertia           | gcm <sup>2</sup> | 460  | 460  | 460  |
| Weight of motor         | g                | 1160 | 1160 | 1160 |
| Motor length            | mm               | 125  | 125  | 125  |

### Drawing



### Characteristic diagram



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

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