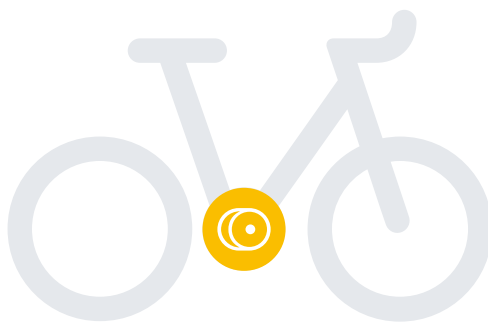


Bafang Drive Unit

>> M430



1. Product Description

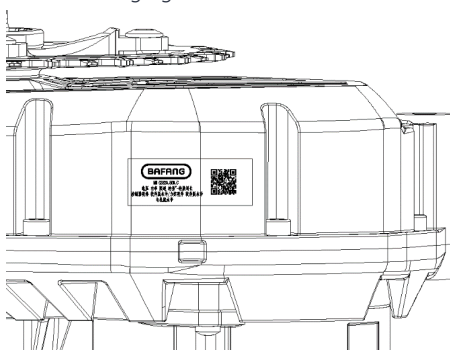
1.1. Basic Information

- Model
M430
- Appearance



- Nameplate

The following figure shows the mark and/or QR code label on the motor housing.



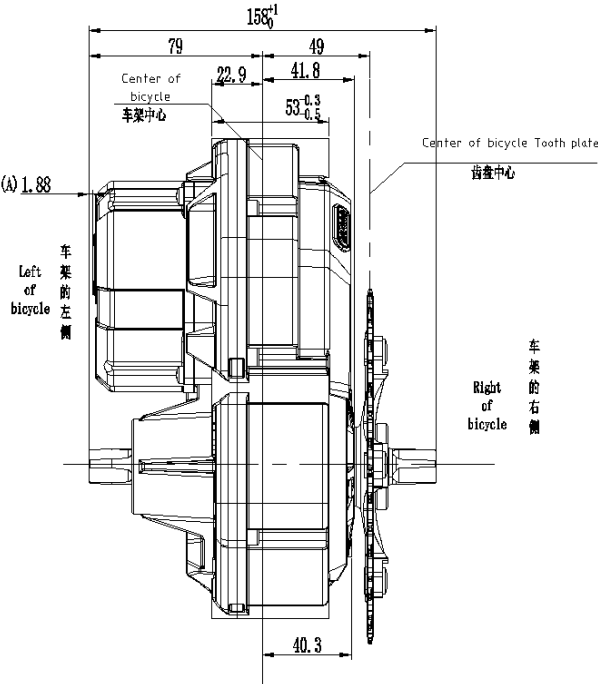
NOTICE:

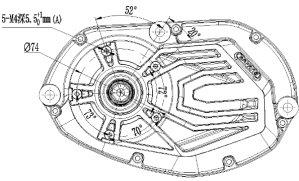
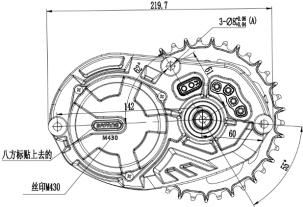
It is forbidden to maliciously erase, polish, stain the laser mark and/or QR code label, otherwise no after-sales service will be provided.

1.2. Technical Specification

Item	Parameters		
Rated Voltage	36V	48 V	48 V
Rated Power	250 W	500 W	750 W
Operating Temperature	-20~45 °C		
Storage Temperature	10~40 °C		
Protection Rating	IPX6	IPX6	IPX6
Weight (approx.)	4 kg	4 kg	4 kg

1.3. Overall Dimension





2. Operation

- Environmental conditions for operation:
 - Operating temperature: $-20^{\circ}\text{C} \sim 45^{\circ}\text{C}$
 - Relative humidity: (20~90)%RH
 - Atmospheric pressure: (86~106)kPa
 - No seriously corrosive gas or no medium affecting the electrical insulation around.
- Be sufficiently familiar with how to start the drive unit before riding on busy streets, otherwise the unexpected start may result in an accident.
- Avoid water immersion during operation.
- Avoid violent impact during operation.
- Prohibit overload for a long time.
- Avoid direct touch of hands or legs with products that have been running for a long time without protection to prevent heat burns.
- Observe the appropriate rules and regulations of the country, state or region in which you use the e-bikes.

3. Maintenance

- Maintenance must be carried out by Bafang authorized personnel with the correct equipment.
- Do not disassemble the product.
- It is recommended to regularly check whether the end cap nuts on both sides of the product are loose, whether the connector is loose, whether the shape is deformed or whether the power cord is broken.
- The components are designed to be fully waterproofed to withstand wet weather riding conditions. However, do not deliberately place them into water.
- Power off the ebike system before cleaning the product by pressing the On/Off button of HMI.
- Do not clean the product with a high-pressure washer. If water seeps into the electrical components, operating problems or corrosion may result.
- Use a damp, well wrung out cloth, when cleaning the motor housing and cover.

The BAFANG logo consists of the word "BAFANG" in a bold, white, sans-serif font, centered within an orange rounded rectangle.

Bafang Electric (Suzhou) Co., Ltd
No.6 Dongyanli Rd., Suzhou Industrial Park 215125, Suzhou
www.bafang-e.com

© Dec 2024 Bafang (Suzhou) Co., Ltd
Subject to change for improvement without notice.