

2023

# M630 System Sales Data

## — — Mar, 2023



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TO MAKE YOU  
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# 1、Application scenarios

**BAFANG BRAND NEW**  
**Mid motor drive system**  
**M630**



**Bike model:**  
eFAT/eCargo

**Main users:**  
Adventurer  
E-bike enthusiast

**Road conditions:**  
All terrain especially for sand, snow road

**Application scenario:**

- ✓ Off- road experience & exploring
- ✓ Transporting heavy load
- ✓ Ripping through tough terrain

## 2、System brief



## 2、 System brief

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### **Conquer the toughest challenge**

After years researching & design, Bafang has offered an ultimate high-powered mid drive unit----with up to 1500W power and 250N.m max torque

### **Compatible with 5-speed auto gear hub**

Aiming at smooth shift and pure cycling experience, the combination of M630 and 5 speed auto gear hub make you always focus on your road

### **Dedicated riding feeling**

Bafang new generation control & sensing technology integrated, riding feelings has been tuned to satisfy every desire



## 2、Features

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### Core Data

#### MM G5700

Recommend model	eCargo/eFAT	
Rated power	1000w	1500W
Nominal Voltage	48V	
Max torque	250N.m	
Recommend speed	45/45+ km/h	
Shaft standard	BAFANG	
CL value	72mm	
Light Drive Capacity	12V24W	
Throttle	Optional	
E-brake	Optional	



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### **Upgrade stator & rotator**

Redesigned rotator and the segmented stator has been accepted by M630. As the heart of motor, it will definitely boost your feeling!

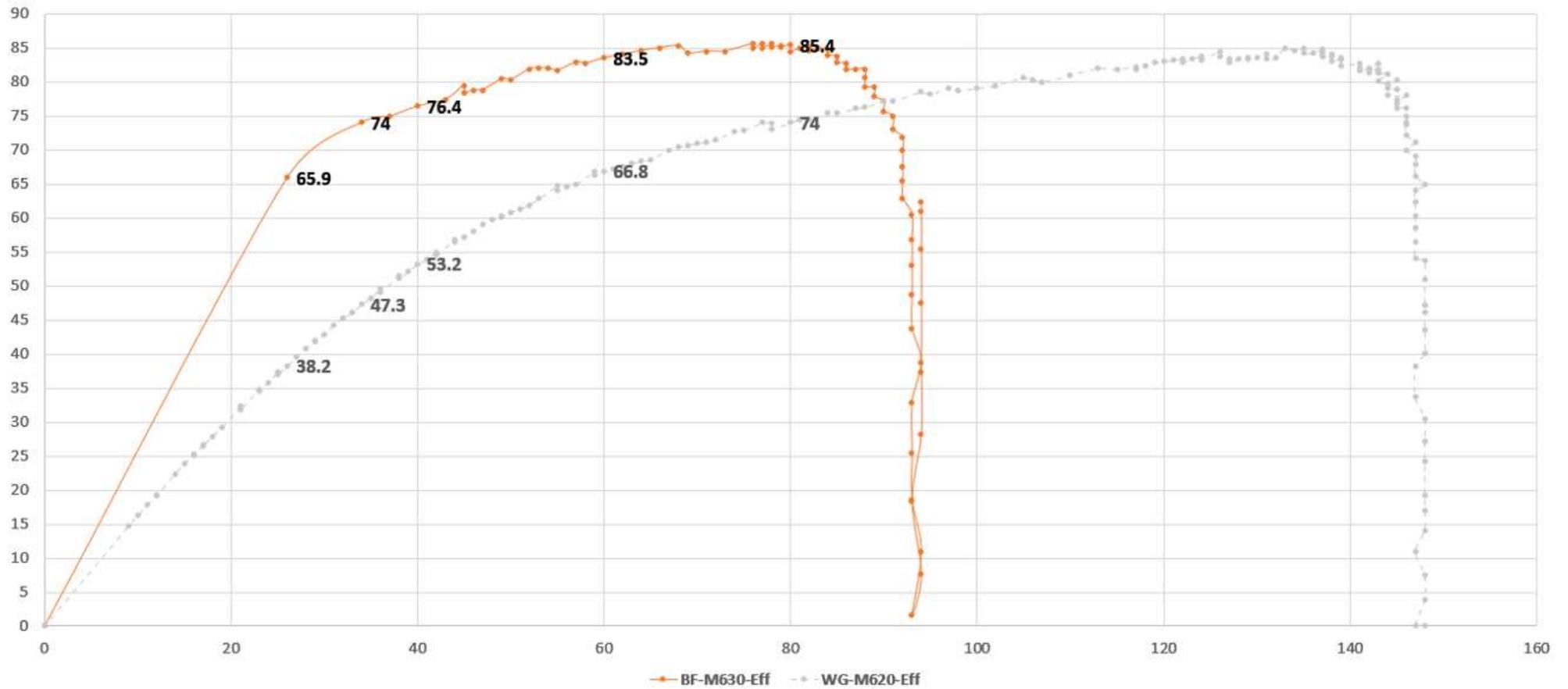


### **High-efficiency gear set**

Proven grease technology is applied to the motor gear system, achieving high efficient transmit with less noise, longer life and etc.

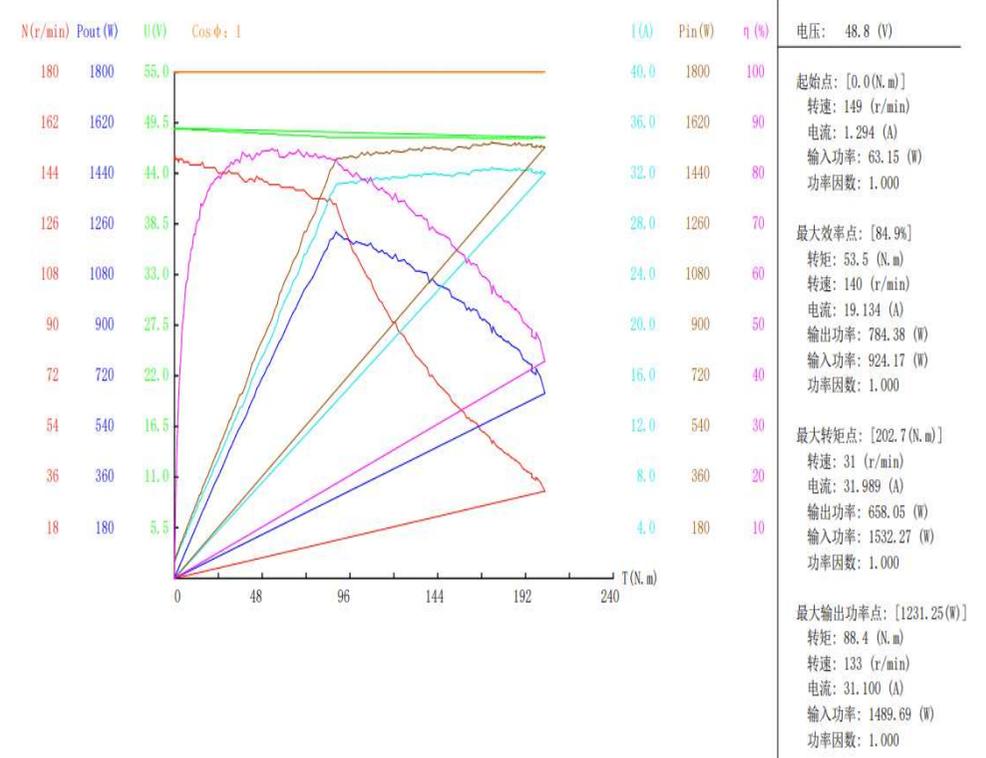
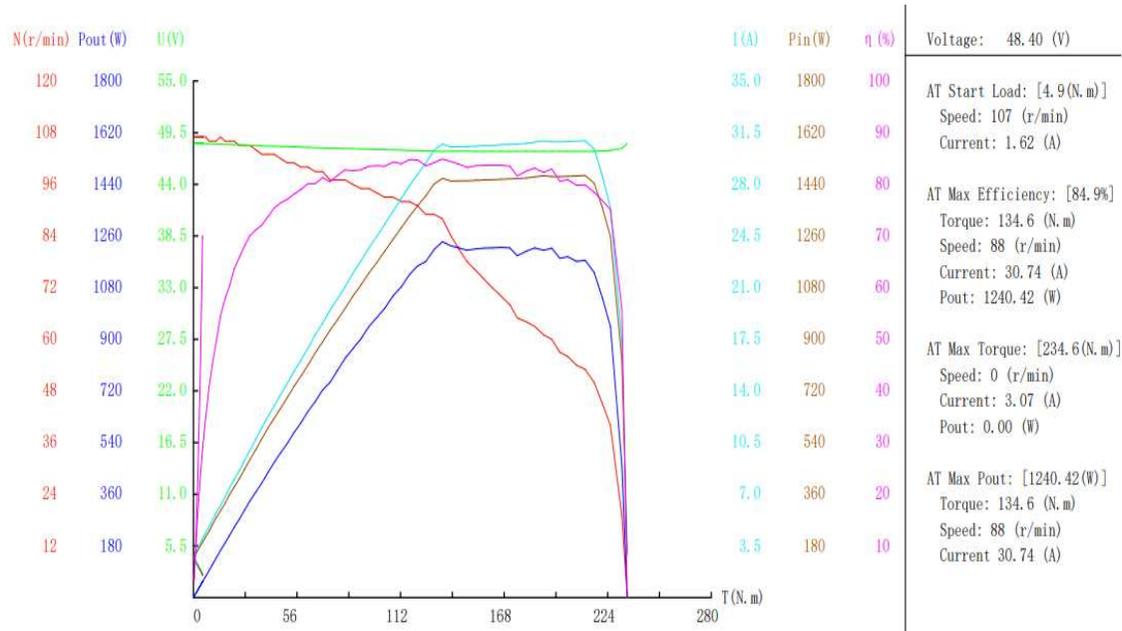


# M630 has higher efficiency than M620 in the low speed and big torque working area



# The dyno test performance M630 VS M620

## M630 has bigger Top torque than M620



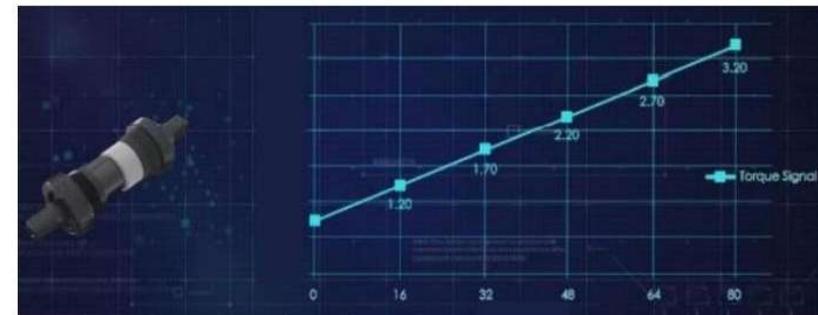
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### Advanced control & torque technology Optimal assist as demand

- ✓ The new generation of Bafang control system emphasize natural riding feeling since it could gain deeper understanding of riders
- ✓ R&D team has carefully tuned the character and tested under rigorous conditions, ensure stability even in extreme case
- ✓ Assist level would change automatically according to riders' force, thereby enabling rider enjoy the 'pure riding'
- ✓ High accuracy of torque sensor help to achieve agile response and precise assistance



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### Other features

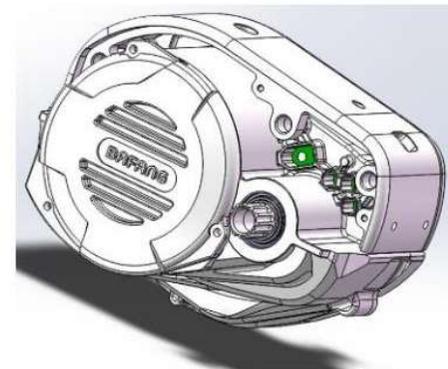
- Same connection interface of with M620;
- Compact cover design;
- IPX6 waterproof;
- 12V24W high light drive capacity;
- Integrated connectors;
- Hidden speed sensor option.



M620 drive unit



M630 drive unit



Integrated connector design

## 2、Features

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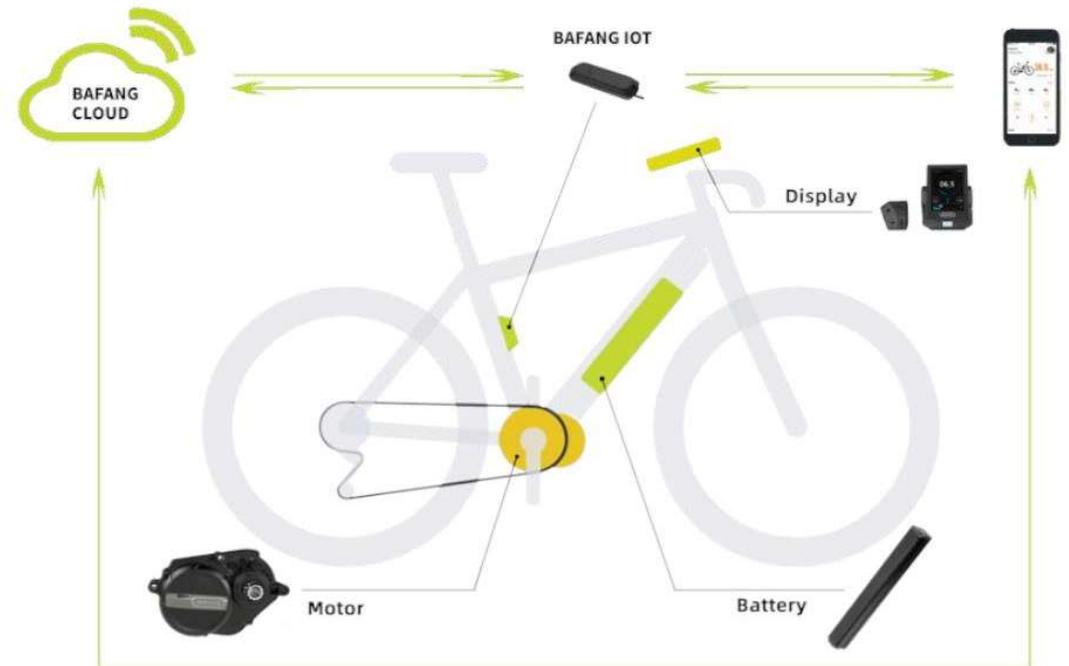
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### IOT—deliver smart experience

Riders' ebike experience would be smarter and safer and much more fun by **BAFANG IOT solution**:

- ✓ BAFANG GO+ (app)
- ✓ BAFANG e-system
- ✓ BAFANG Cloud.

Electronic control, customized riding setting, remote operation, anti-theft, navigation, OTA upgrade, riding activities analysis, real time situation check and more, riders' ebike could communicate with more possibilities.



### M630 X 5 Speed auto-shift gear hub

Bafang 5 speed auto shift gear hub has come into the sight, which could work harmoniously with M630 Without any manual shift, riders would get better cadence experience

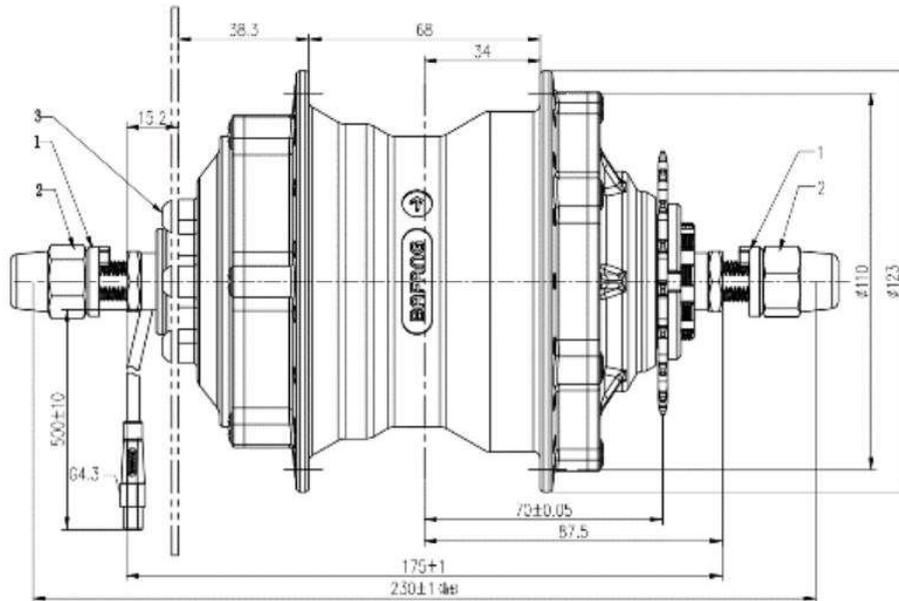


- ✓ Accurate gear mechanism
- ✓ 5-Speed shift to ease your ride
- ✓ Shift depends on wheel speed
- ✓ Smooth shift experience
- ✓ Clean bike design without derailleur

## 2、Features

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Sensor	Integrated speed sensor option				
Wheel size	26"~29"				
Drive type	Chain				
Single freewheel	22T / 26T / 30T				
Gear ratio	1	1.33	1.81	2.46	3.35
Spoke hole	36*12G				
OLD	175mm				
Hub diameter	123mm				
Brake	Disc brake				
Weight	3.7kg				

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- **Display: DP C010.CB**



- Modern design with 4.0" TFT display
- Full fit screen with hydrophobic coating
- Multi-element UI options with idea interact experience
- Multi holder diameter options up to  $\phi$  35
- 6 built-in languages to choose
- Start up GIF available
- Navigation map
- Bluetooth 5.1



SIZE:

A: 59.5mm

B: 98.8mm

C: 67mm

D:  $\phi$ 35mm

E: 51.8mm

F: 86.3mm



## 2、Features

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### Display: DP C271.CAN



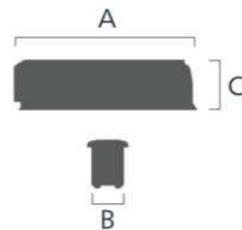
- ✓ 2.8" TFT display with full fit screen
- ✓ Multiple UI options, switch as wanted
- ✓ Auto light detector
- ✓ Embedded joint for convenient installation
- ✓ 6 build-in language

## 2、Features

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### Battery: BT F38.1008.C



A (mm)	425
B (mm)	116
C (mm)	97

Rated voltage: 48V

Energy: 1008Wh

Capacity: 21Ah

Cells: 13S6P, 18650

Weight: <2kg

Mounting type: full integrated

Removing type: Down

Thank you!

