

2023

M630 System Sales Data

— — Mar, 2023



ENGINEERED
TO MAKE YOU

smile

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1 、 Application scenarios

POWER YOUR LIFE

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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

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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!

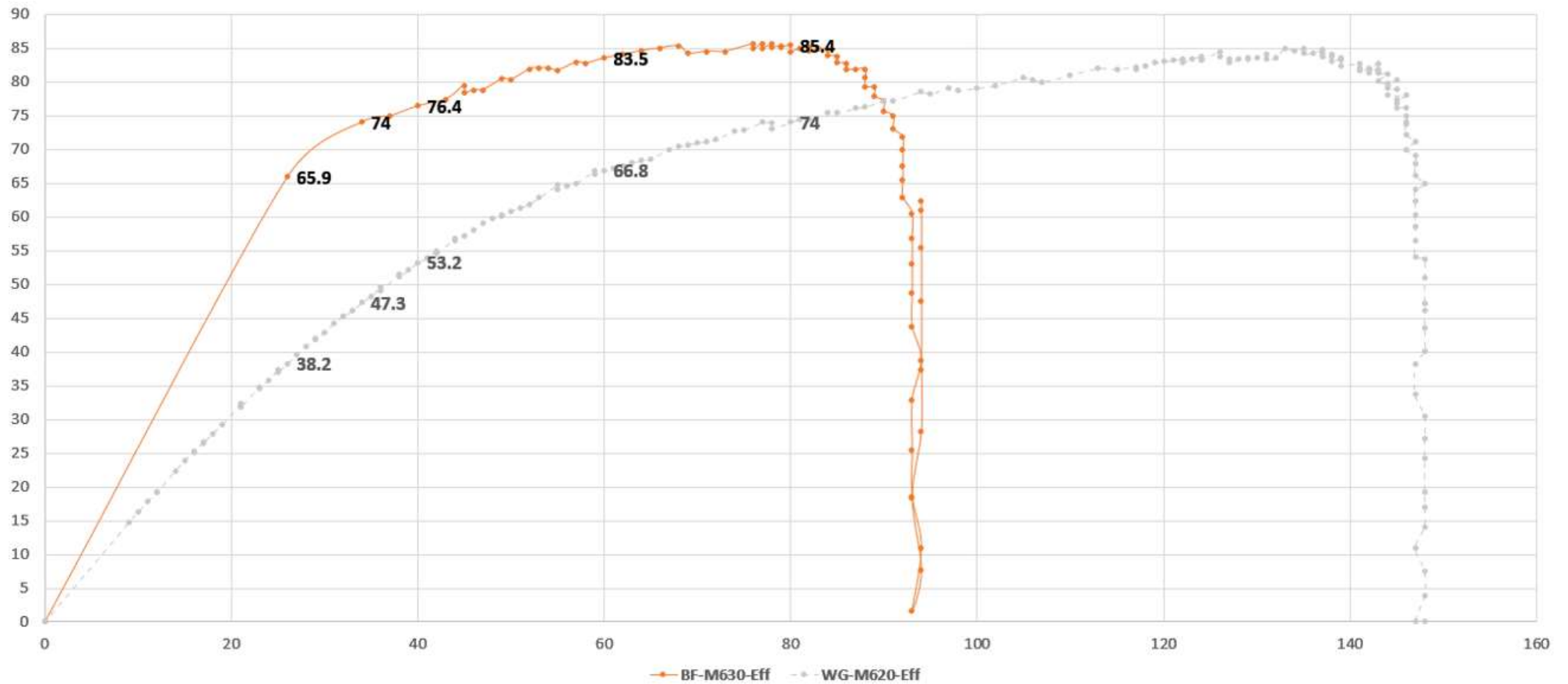


High-efficiency gear set

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

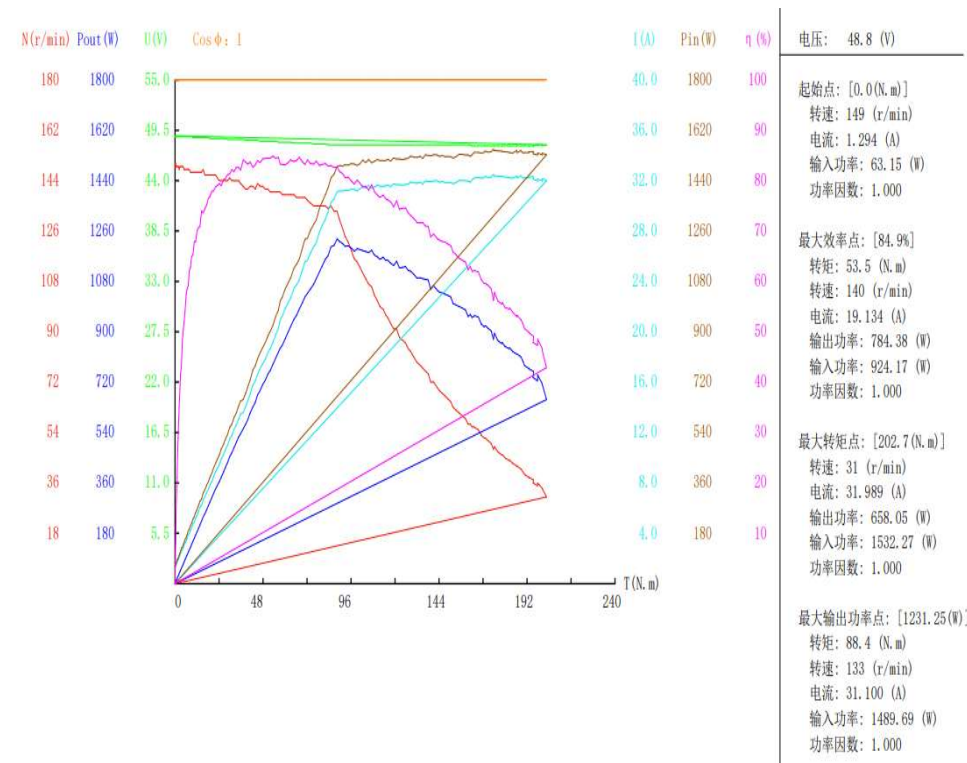
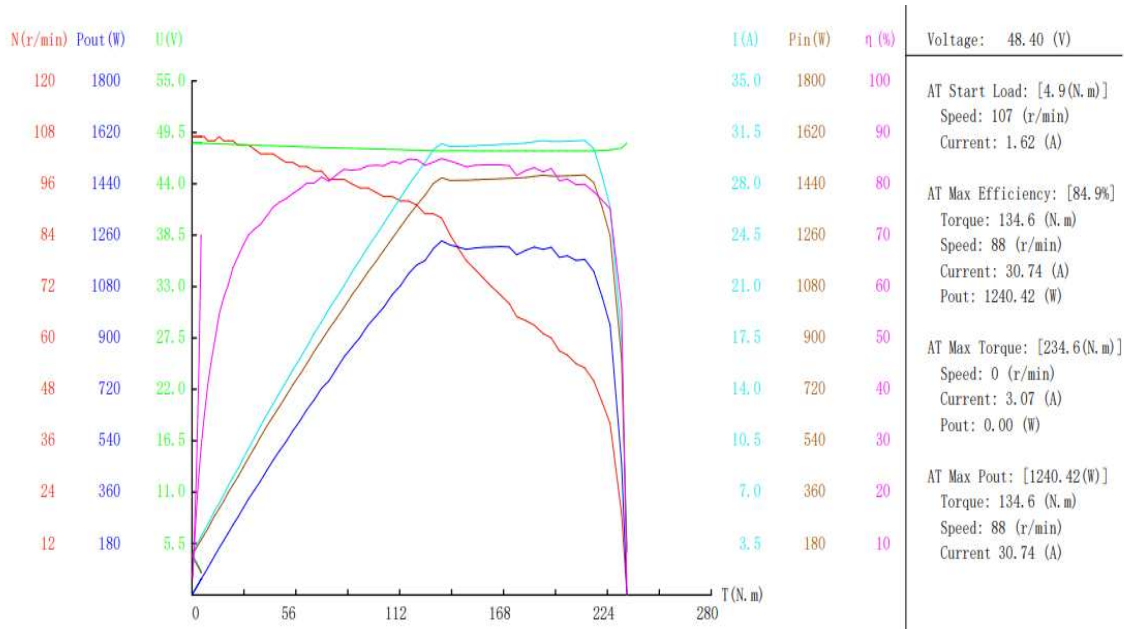


M630 has higher efficiency than M620 in the low speed and big torque working area



The dyno test performance M630 VS M620

M630 has bigger Top torque than M620



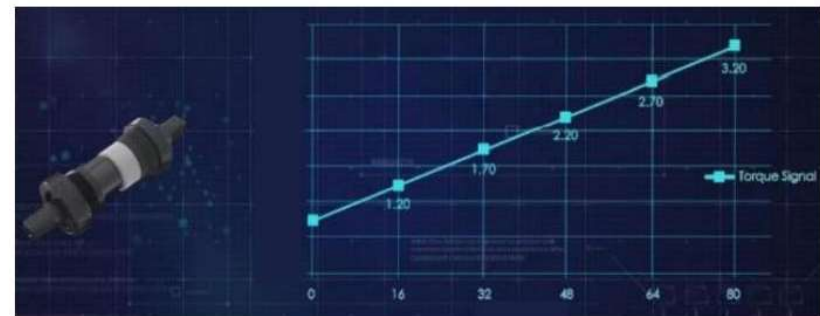
2、Features

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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



2、Features

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Other features

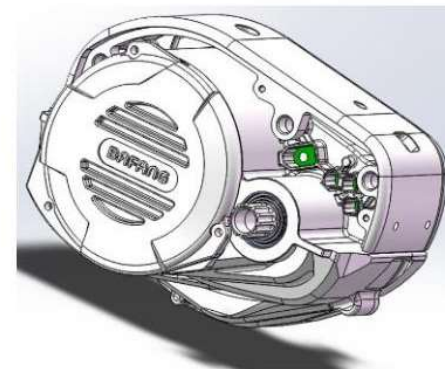
- Same connection interface of with M620;
- Compact cover design;
- IPX6 waterproof;
- 12V24W high light drive capacity;
- Integrated connectors;
- Hidden speed sensor option.



M620 drive unit



M630 drive unit



Integrated connector design

2、Features

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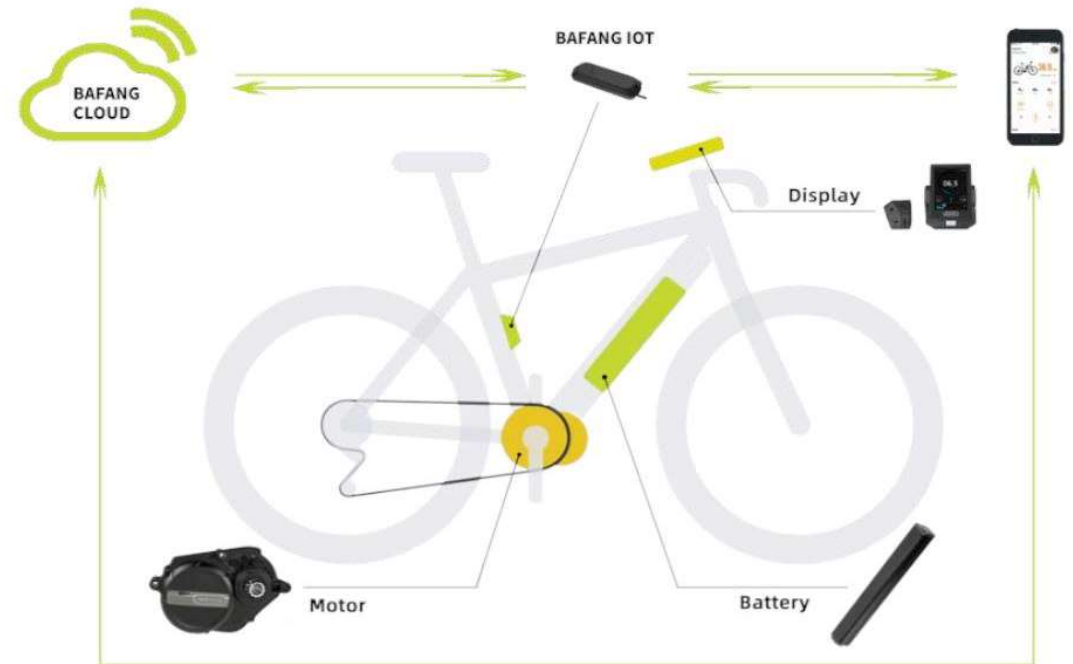
BAFANG

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.



2、Features

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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.

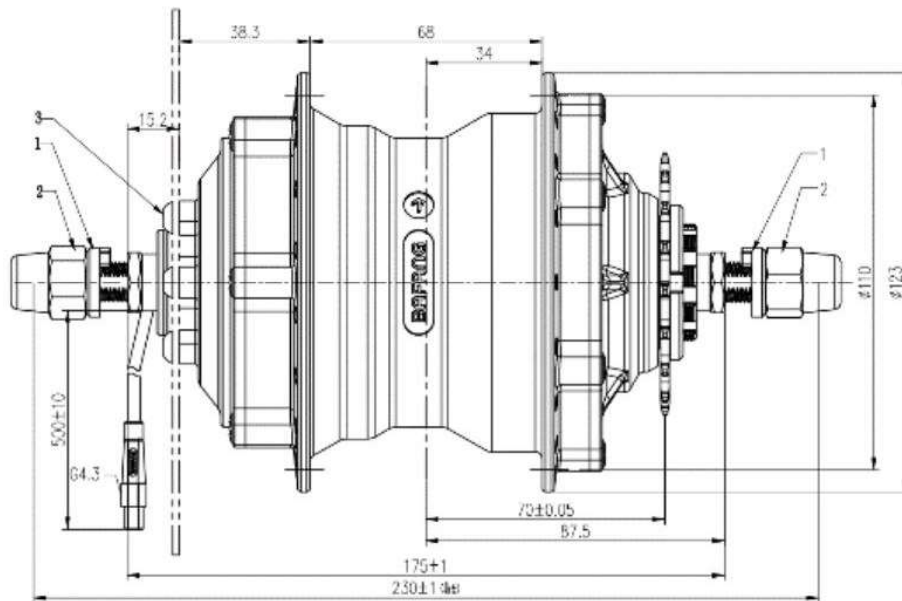


- ✓ Accurate gear mechanism
- ✓ 5-Speed shift to ease your ride
- ✓ Shift depends on wheel speed
- ✓ Smooth shift experience
- ✓ Clean bike design without derailleur

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				

2、Features

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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

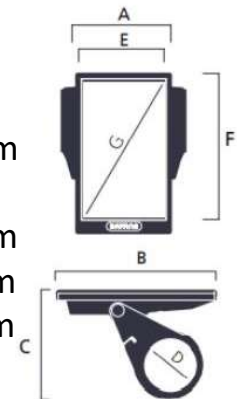
B: 98.8mm

C: 67mm

D: $\phi 35$ mm

E: 51.8mm

F: 86.3mm



2、Features

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Display: DP C271.CAN



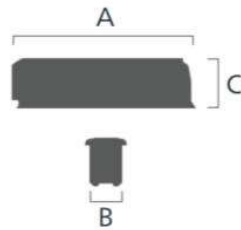
- ✓ 2.8" TFT display with full fit screen
- ✓ Multiple UI options, switch as wanted
- ✓ Auto light detector
- ✓ Embedded joint for convenient installation
- ✓ 6 build-in language

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 !

