

Press release

For immediate release

Bafang introduces a powerful rear hub motor for e-MTB and speed pedelec applications

Suzhou, PRC, August 16, 2017 – The Bafang H800 gear-drive rear hub motor, with 350 or 500 W output and a max torque of 55 Nm, features a modern MTB thru-axle design with Boost standard.

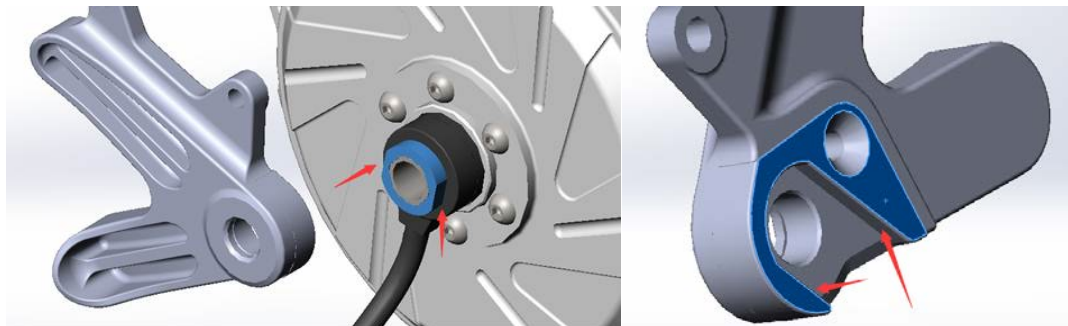
This makes the hub perfect for sporty e-MTBs and all types of speed pedelecs in the major European and US market.

With a diameter of just 180 mm, it's virtually invisible from the disc brake side (rotor diameter 203 mm). The freewheel body fits 7 to 10 speed cassettes. It's been engineered for maximum heat resistance, and compatible with both 650B and 29" wheels.

Two other unique features differentiate the new motor from other products on the market.

GrooveDO™ - grooved drop out

One important technical element is the drop-out interface to resist torque. Bafang engineers have developed a special drop-out design which delivers ultra-robust torque support, seamlessly integrated with the thru-axle system.



Special grooved dropout design: Specially engineered dropout construction to absorb motor torque.

Brands can also design their own dropouts, using this standard to match their frames.



Bafang SmartPlug™

The other standout feature is the waterproof Smart Plug™ quick release cable connector. Traditionally a rather stiff cable exits from the axle and must be routed along the chain stay to an external connector, so that the rear wheel can be removed from the frame to fix a puncture, or for servicing. The SmartPlug makes this super-easy for both dealers and consumers.

The hub works with either speed or torque sensor bottom brackets, and many different display options are also available. Similarly, batteries of different types, f.e. the new, integrated F-series batteries from Bafang or from other manufacturers can be selected if required.



The super-silent operation of this hub motor is particularly impressive, thanks to a specially-designed gear reduction system. It will be available from Q1-2018 on.



Size visualization of hub motor in a 29" wheel, using the latest Bafang F-series integrated downtube battery



Specifications: H800 (RM G130.500)

Position	Rear Motor
Wheel Diameter (Inch)	27.5/29
Construction	Gear drive
Rated Voltage (DC V)	36/43/48
Rated Power (W)	350/500
Max speed (km/h)	32,45
Max Torque (Nm)	55
Color	Black

Mounting Parameters:

Brake	Disc Brake ϕ 203mm
Installation Widths (mm / OLD)	148
Max. Housing Diameter (mm)	180
Cabling Route	Chain stay Left
Cassette compatibility	7-10 speed
Spoke Specification	36H*12G
Thru axle dimension	ϕ 12mm

Download high-resolution images here: www.dropbox.com/Bafang



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About BAFANG: www.bafang-e.com

Bafang, one of Asia's leading manufacturers of e-mobility components and complete e-drive systems, has been developing components and complete systems for electric vehicles for more than ten years. Bafang currently has a yearly manufacturing capacity of up to one million motors and system for e-bikes and electric scooters.

Bafang employs more than 300 staff worldwide in three locations. The head office, development and manufacturing center is based in Suzhou, near Shanghai. Since 2012 Bafang has a sales and service center in the Netherlands and recently opened one in Las Vegas, USA.

This release is issued by Bafang Electric (Suzhou) Co., Ltd. which retains the ultimate responsibility for the content.