

Press release

M820 – modern, efficient, silent and powerful: Bafang defines a new level for mid-mounted drive systems

M820, the new mid-mounted motor from Bafang, is the ideal drive for ebikes (eMTB & eRoad) whose rider is at more advanced levels, tackling moderate climbs with short, gritty conditions.

Suzhou, June 2022 - With the new M820 drive, Bafang expands its powerful portfolio of mid-mounted motors and further consolidates its position as one of the world's leading manufacturers of eBike drive systems. The lightweight (2.3kg), compact motor, protected by a magnesium housing, delivers a convincing 75Nm at 250W rated power at either 25km/h, 32km/h or 45km/h. Especially in this segment, magnesium's specific advantages come into play including superior heat conduction, ultra-light weight, exceptional corrosion resistance and vibration reduction.



Photo: Bafang/M820 mid-engine

Improved performance, narrow Q-Factor

Furthermore, the M820 impresses with a newly designed stator and rotor in the heart of the motor, which provides an increase in motor performance compared to previous models. This is thanks to the narrow Q-factor, and a newly-developed ISIS standard crank arm which, due to its narrower design, will give the rider a better performance. The rider's strength is transferred more directly and linearly from the hips and legs to the pedals (narrower Q-Factor). The M820 motor is also suitable for other crank models.

When used for eMTBs, the motor can be combined with various products in the Bafang portfolio to form a set, such as the DP E181.CAN display (eye-friendly LED display, integrated Bluetooth, light activation sensor), either with the powerful in-tube BT F116 or BT F014 batteries, and the SR SD071.02 sensor.

For eRoad bikes, a combination of the following components is recommended: Display variants (new UI design) DP C244.CAN or DP C263.CAN, supported by the slim in-tube battery BT F050.B360.C for a sporty and attractive bike design, with the set completed by the SR SD071.02 sensor.



Photo: Bafang/M820 sample combination for eMTB

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This motor thus offers a wide range of applications and can be adapted in many ways to the respective application. The first samples can be ordered now, and series production will start in August 2022.

Boost your ride

Another great feature of the M820 is the boost function called “Rocky”. Activating this function is simple, with a single or double click on the “+” sign, dependent on if you already in the boost mode. When entering the “Rocky mode” (seen in the display as a special Rocky icon) the rider will enjoy a “Rocky push feeling” for a set continuous period.

We will present the M820 motor at Eurobike 2022, Frankfurt, at the Bafang booth in hall 8.0/#H40 alongside other innovative new products. Plus, it can be test ridden by visitors in the demo area F10.0/D02. We are looking forward to your visit!

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About BAFANG:

Bafang, one of the leading manufacturers of e-mobility components and e-drive systems, has been developing components and complete systems for electric vehicles since 2003. The company is listed on the Shanghai Stock Exchange (603489.SS) and focuses on all global e-mobility trends of the future: be it individual e-bikes, e-scooters or for public bike sharing systems. Bafang employs over 1000 people at ten international locations worldwide. The headquarters, development and production centre are located in Suzhou, in the immediate vicinity of Shanghai/China.

Bafang has sales and service centres in the Netherlands, the USA, Germany, Denmark, France, Italy, and China. The newly opened plant in Poland focuses on the production of mid-motor systems for the European markets.



POWER YOUR LIFE

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