


# The Importance of Standardization in Electric Bicycles.

From Testmybike, we explain how the efficiency of motors varies according to the power range and why it is necessary to unify criteria.

 **by Pablo Meson**



# What is the efficiency of an electric motor?

The efficiency of an electric motor is the relationship between the electric power it consumes and the mechanical power it delivers. In other words, it is the measure of how much energy is used to move the bicycle and how much is lost in the form of heat (derating), noise, or vibrations.

The efficiency of an electric motor is not constant, but depends on the power range in which it operates. For example, a motor might have an efficiency of 90% when consuming 100 watts, but only 60% when consuming 600 watts. This means that the higher the power, the greater the consumption and the lower the performance.

# Why is standardization important in electric electric bicycles?

Currently, there is no single criterion for measuring and comparing the efficiency of electric bicycle motors. Each motors. Each manufacturer can provide data that suits them, without specifying the power range in which it was which it was obtained. This makes it difficult for consumers to choose, as they cannot know for sure how much how much autonomy their bicycles will have.

At Testmybike, we believe it is necessary to establish a standard that allows evaluating and comparing the comparing the efficiency of electric bicycle motors in an objective and transparent way. Therefore, we believe that we believe that information about the efficiency of the motors in their different power ranges should be given, as should be given, as in the Fazua Ride 60 motor, ranging from 100 to 600 watts, offering detailed information to information to users.

# How can you know the efficiency of your your electric bicycle?

If you want to know how your electric bicycle performs in terms of efficiency, you can visit our website [www.testmybike.com](http://www.testmybike.com) and consult the results of our tests. There you will find efficiency data for the main brands, as well as other parameters that we will explain in future articles.

# Revealing the Efficiency of the Fazua Ride 60 Motor

