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# Use of beaufort scale

What is a beaufort wind scale used for. Describe the use of beaufort scale. What is beaufort scale.

Share: So you intend to try yachting for too long, and there is no way to delay anymore. If you already have a yacht, good for you. But what do all these "Fresh Gale", "Moderate breeze", and "cevilento storm" mean? These terms were created and described by the navy Beaufort officer in a special scale. Today the Beaufort scale is no longer used, because there are modern tools and objectives for meteorological measurements, such as anemometers and Doppler radars. However, you can still meet him in the weather forecast, especially for sailing and weather warnings. For some people, this scale is still a scale of work. It is also possible to still be used to estimate the characteristics of the wind on a large sea when there are no other wind instruments. In this article, we will go to know the Beaufort scale and its device. But first we start with the wind, its damage and benefits. What is the speed of the wind in general? Air in the atmosphere moves from high to low pressure due to temperature change. The wind is the result of this movement. The speed of the wind is the covered distance at a certain time. Wind speed affects aviation, navigation, construction and some outdoor activities. It means that before you discard your kite, you must first check the wind forecast. How do we measure the wind speed in 2021? The traditional tool used to measure the wind speed is called an anemometer. It consists of a vertical pillar and three or four concave cups. These cups capture the movement of air flows, and this is the way we get the data on the wind speed. There is also an alternative ultrasonic wind sensor that has no moving parts and measures the wind speed using a high frequency sound. The speed of the wind is measured by meter per second (m / s), miles per hour (mph), kilometers per hour (kph). These units are common. There are also nodes and Beaufort "Units commonly used in the sea. Photo: Pablo-Garcia-Saldana / Unsplash What is the definition of Beaufort Scale? Beaufort's wild scale is about the wind speed under the conditions observed at sea or on earth. In other words, the speed of the wind and the force are not measured by specific tools, but by human visual observation. The scale was used before the advent of modern wind instruments. Some interesting facts about the history of the scale: the full name of the scale is the scale of the wind force Beaufort. (In fact, it is not an exact scale, we will tell you further.) This scale was created in 1805 by Francis Beaufort, a hydrograph, meteorologist and a Royal Navy Irish officer (later Admiral). He didn't create the scale from scratch. It has a long evolution of previous work from the previous work of other scientists, including Daniel-Yes, the English trader and the writer, the author of the novel "Robinson Crusoe". In the 18th century, there was no standard measurement of sea conditions and descriptions provided by naval officers who made weather observations could be very much. What is a "kind breeze" for someone, can be a "strong breeze" for someone else. Beaufort was the one who developed the standardized scale and made it much easier for sailors to understand each other. At the beginning, this scale, however, did not refer to the wind speed, and was only later added later, in 1926. From that moment, several people have made several changes to the Beaufort scale. For example, in the 20th century, the measures have been changed to improve its utility for meteorologists. How is the Beaufort windstream exactly calculated? The formula for wind calculation on the Beaufort wind force scale is the following:  $V = 0.836 B^3 / 2$  m / s. Where: V Wind speed at 10 meters above the sea (by the way, this is the standard height for all wind measurements). B is the Beaufort scale number. For example, the Beaufort 8 scale is equivalent to the wind speed of 20 m / s, wind force 10 on the Beaufort scale is connected to 27 m / s, a hurricane on the Beaufort scale is equal to 33 m / if more, and the Beaufort 0 scale means calm water surface that looks like a mirror. Photo: MAX-POSCHAU / UNSPLASH How to read the Beaufort scale chart? If you have exact data on the wind speed, you can connect it with the Beaufort scale number using the following chart, where you can see the Beaufort number from 0 to 12 and the description of the wind at the beginning, then a "Calm wind speed:

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