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Different Exhaust Fan Speeds for Different Areas of the House by [Staci Severns](#)

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Just like fans make a singer a fantastic artist, electric fans make a home a great place. Different kinds of fans help air flow from one place to another, making the home ventilated. Exhaust fans can be a component of this ventilation system, typically situated on the walls next to a supply of unwanted air, like a range. Without them, the entire house might always smell like a full-course buffet.

Exhaust fans are different from one another, notably at how much undesirable air they can get rid of in a moment. The fan speed makes up about the amount of air it can displace at a given unit of time: the faster it moves the more air it can move. However, it is crucial to be aware the size of the room the exhaust fan serves. If you set a low-speed exhaust fan in a spacious room, it cannot draw unwanted air fast and effective enough.

In light of this, the Home Ventilating Institute established a few rules on the recommended speed of fans in each area. Fan speed is usually shown in cubic feet per minute (CFM). The tips also present the best way of putting and setting up the exhaust fan: its orientation specs, etc. Below are the guidelines for every room of the house, filled with CFM rates of exhaust fans and placing tips.

Bathrooms: Most washrooms only have restricted entry and exit points for air due to the fact that such spaces typically have a closed-room layout. Wall exhaust fans can make up for deficiency of exit points, thinking about the appropriate fan speed and placing. Bathrooms less than 100 square feet require fans working at a minimum rate of 50 CFM. For washrooms that are bigger than 100 square feet, consider the fixtures such as the sink to add up to the recommended CFM.

Entire House: Inline exhaust fans have a highly effective variant that can ventilate the whole house. The Home Ventilating Institute sets the ideal rate of ventilation at 3 CFM per square foot in the home. In other words, if the total area of your home measures 1,000 square feet, you will need an exhaust fan that can hand out 3,000 CFM. The fan should finish air change every two minutes.

Attic: As the area of the house that accumulates the most dust, the attic requires proper ventilation even more. For roof exhaust fans to give ideal ventilation, they must run at a pace of 0.7 CFM per square foot. Nevertheless, dark or steep roofing structures demand 15 percent more CFM due to their design. For dark and steep roofing, add 30 percent.

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