

Text of the abstract

Provided is ceiling fan (1) equipped with brushless DC motor (10). Ceiling fan (1) includes duty instruction unit (6) that instructs an ON/OFF duty in PWM control of a switching element, power supply current detector (15) that detects current flowing through the switching element, power supply voltage detector (17) that detects voltage applied to the switching element, and power calculator (18) that calculates the supply power. In ceiling fan (1), a duty instruction value is determined by duty instruction unit (6) based on the calculated value of supply power. According to this configuration, ceiling fan (1) that can blow air by rotating blades at constant and maximum torque without being affected by a change in the distance between the blades and a ceiling due to the installation state of ceiling fan (1) can be provided.