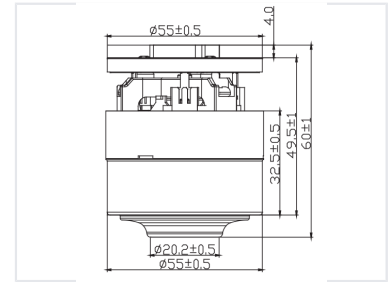
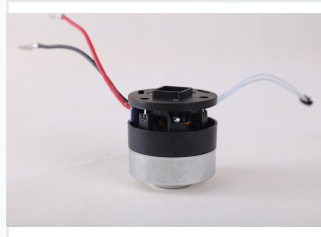
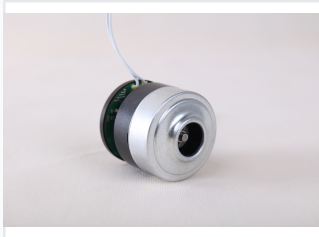


# Brushless DC Motor for Vacuum Cleaners

Brushless DC motor designed for vacuum cleaner applications. It features high efficiency and long life.



## ADDITIONAL IMAGES



## Overview

### High-Performance BLDC Motor

This brushless DC motor is engineered specifically for vacuum cleaner applications, offering a compact and efficient solution for modern cleaning devices. With a wide operational voltage range and high rotational speeds, it delivers consistent suction power and reliability. The integrated design ensures easy integration into cordless and robotic vacuum systems, providing an optimal balance of performance and energy efficiency.

## Performance Metrics

### Input Power

**100 W**

Min Power

**380 W**

Max Power

### Suction Performance

**11 Kpa**

Min Vacuum

**28 Kpa**

Max Vacuum

### Airflow & Efficiency

Metric	Range
Max Airflow	13-24 L/S
Max Suction Efficiency	48-52 %
Speed	60,000-110,000 RPM

## Technical Specifications

Operating Voltage	14.4V - 32.4V
Model Number	CG-BLDC55

## Dimensions

### Physical Dimensions

- Main Diameter: 55mm ( $\pm 0.5$ )
- Secondary Diameter: 20.2mm ( $\pm 0.5$ )
- Height: 60mm ( $\pm 1$ )
- Mounting/Base Height: 49.5mm ( $\pm 1$ )
- Section Height: 32.5mm ( $\pm 0.5$ )
- Top Plate Height: 4.0mm