

Electronically Commutated Motor ECM12

This electronically commutated motor features a special wide temperature range lubrication system. Mounting hardware and a water shield are included.



ADDITIONAL IMAGES



Overview

High-Efficiency ECM Technology

The ECM12 is an electronically commutated motor designed for optimal performance in refrigeration and HVAC applications, such as evaporators and condensers. It serves as an energy-saving, direct replacement for traditional shaded pole and PSC induction motors, achieving efficiency rates of up to 70% compared to the 20% typical of shaded pole motors. This unit includes a specialized wide temperature range lubrication system, a water shield, and necessary mounting hardware for reliable, long-term operation.

Technical Specifications

Power Rating

22 W

Input Power

15 W

Output Power

Voltage

110V AC

Frequency

50/60 Hz

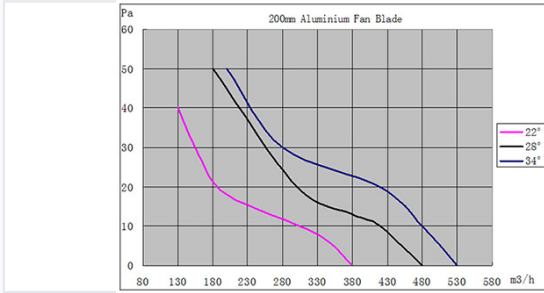
Rated Current

0.25 A

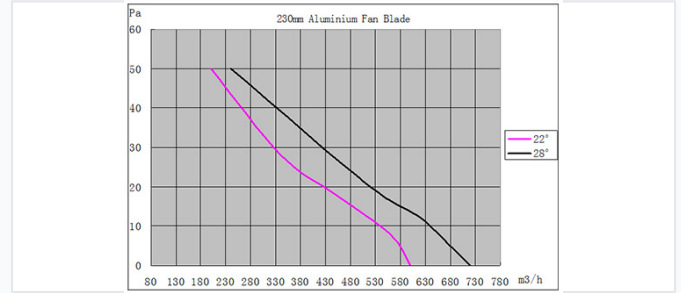
Rated Speed

1550 rpm

Airflow Performance



Airflow performance curves for 200mm fan blades at 22°, 28°, and 34° angles.



Airflow performance curves for 230mm fan blades at 22° and 28° angles.

Performance at 1,550 rpm

Index	Impeller Diameter	Blade Angle	Input Power
1	200 mm	22°	5.8 W
2	200 mm	28°	8.4 W
3	200 mm	34°	13.6 W
4	230 mm	22°	11.6 W

Features & Benefits

Key Features

- Wide temperature range lubrication system
- Includes water shield
- Mounting hardware included
- Up to 70% efficiency rate
- Fully enclosed or external electronic control