

Electronically Commutated Motor ECM20

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 Electronically Commutated Motor

The ECM20 is an advanced electronically commutated motor designed specifically for refrigeration applications, including evaporators and condensers. It serves as an energy-saving replacement for traditional shaded pole and PSC induction motors, boasting an efficiency rate of up to 70% compared to the 20% efficiency typically found in shaded pole motors. Featuring a special wide-temperature range lubrication system, this motor ensures reliable performance in demanding environments.

Key Features

Included Accessories

Mounting hardware, Water shield

Technical Specifications

Performance Ratings

38 W

Max Output

70 %

Efficiency

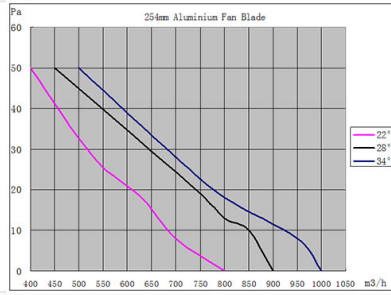
1550 rpm

Rated Speed

Electrical Parameters

Model	Voltage	Frequency	Current	Input/Output
ECM20A110	110V	50/60Hz	0.5	30/20W

Airflow Performance



Air performance curves measured at a constant speed of 1,550 rpm, illustrating the relationship between static pressure and airflow at different blade angles.

Airflow Performance (at 1550 RPM)

Impeller Diameter	Blade Angle	Input Power
254	22	16
254	28	25
254	31	29