

EC External Rotor Fan Motor

BLDC motors designed for fans in HVAC applications offer high efficiency and variable speed control. These motors provide quiet operation and a long operational lifetime.



Product Overview

High-Efficiency EC Fan Motor

This external rotor BLDC motor is engineered specifically for HVAC applications, offering superior energy efficiency and reduced operational costs. Designed for quiet, long-lasting performance, it features advanced electronic protections and flexible control options including 0-10VDC and PWM. With soft start capabilities and reversible rotation, this motor provides a reliable and maintenance-free solution for professional air-moving equipment.

Key Features

Operational Features

External Rotor Type, Three Phase, Soft Start, Speed Feedback, CW/CCW Reversible, Maintenance-Free

Control & Protection

Control Interfaces

- 0-10VDC Speed Control
- PWM Speed Control

Electronic Protections

- Over-current protection
- Over-load protection
- Blocking protection
- Wrong connection of power input protection

Performance Data

N	Model	Input Voltage	Rated Output (W)	Rated Speed (RPM)	Variable Speed (RPM)	Rated Torque (Nm)	Efficiency	L1 (mm)	L2 (mm)	L3 (mm)
1	ECM00092NA013003002	220VAC	30	1300	0-1900	0.2	70%	32	28	111.5
2	ECM00092NA024005002	220VAC	50	2400	0-2800	0.2	75%	32	28	111.5
3	ECM00092NA015008002	220VAC	80	1500	0-2100	0.2	75%	46	33	130.5

Performance and dimension data for the ECM92 series models.

Performance Specifications

Model	Output (W)	Rated Speed (RPM)	Efficiency
ECM00092NA013003002	30	1300	70%
ECM00092NA024005002	50	2400	75%
ECM00092NA015008002	80	1500	75%

Input Voltage

220VAC