



Eon

NEO AND FERRITE NOW AVAILABLE

The new Eon motor is a drop-in upgrade for the original ECM 2.3 motor. The motor is commonly used in applications in residential HVAC furnaces and air handlers, commercial variable air volume systems and fan filter units. Eon is a more compact variable speed ECM that is backward compatible with the existing ECM 2.3 motor and fits easily into existing systems. Eon allows you to imagine and implement possibilities that no conventional induction motor or competing variable-speed technology could provide. The product is offered in a wide range of specifications.

SPECIFICATIONS

Variable speed, constant torque/constant airflow, ECM

120/240/277 and 120/240 VAC single-phase input, 50/60Hz

Designed for direct-drive blower applications in systems

Available in 1/3, 1/2, 3/4 and 1HP ratings

Operating speed range of 200-1300 rpm (1/3 HP rating will be 200-1800 rpm)

NEMA 48-frame

UL and cUL recognized component, CE available in Eon Ferrite

RoHS Compliant

FEATURES

Variable speed operation from 200-1300 rpm (1/3 HP rating will be 200-1800 rpm)

6kV surge protection

Backward compatible with ECM 2.3

Reduced overall length and weight compared to ECM 2.3

Similar input connections to original ECM 2.3

ECM Toolbox™ based programming software

BlakBox enabled

BENEFITS

Full Load Efficiencies of minimum 75% with 2.3 replacement

Full Load Efficiencies of minimum 80% with high efficiency design to follow

Reliability improvement with fully potted single control board and mechanical magnet retention (Eon Neo only)

Drop-in replacement for original ECM 2.3 with airflow and software solutions to minimize application engineering work

Fully integrated connector ensures better protection against moisture and contaminants

Using the latest version of ECM Toolbox™, OEM customers can easily create EON programs from existing ECM 2.3 motor programs

Improved starting characteristics over ECM 2.3

APPLICATIONS

Residential HVAC furnace and air handler

Commercial variable air volume (VAV)

Fan filter units (FFU)

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