

PRODUCT NEWS

Don't Forget Fasco 4.4" and 5.0" Fan Coil Air Conditioning and Heating Unit Motors for Your Summertime Stocking Needs!

This summer, as much of your customers' time may be spent working on commercial or industrial fan coil air conditioning units as it is on residential air conditioners. That's why it's always a good idea to keep Fasco 4.4" and 5.0" Fan Coil Air Conditioning and Heating Unit Motors on hand for your customers' many different needs during cooling season.

Fasco offers a large selection of 4.4" and 5.0" General Replacement Fan Coil Motors, with models available in a wide range of horsepower and speeds (1, 2, 3, 4 and 5). The 4.4" motors feature Shaded Pole (SP) construction, sleeve bearings and 115-volt, 230-volt and 115/230-volt models. Our 5.0" motors feature Shaded Pole or Permanent Split Capacitor (PSC) construction, with sleeve bearings and 115-volt, 230-volt, 277-volt, 208/230-volt and 460-volt models.

For complete details on all of our Fan Coil Air Conditioning and Heating Unit Motors, see the 4.4" models on page 32 and the 5.0" models on page 35 of your *Fasco Stock Replacement Products Catalog #45*. To download a PDF of the *Fasco Catalog #45*, [click here](#). More information is also available by calling our Customer Service Department at 1-800-325-8313 or by contacting your Fasco Representative.



D290 4.4" Fan Coil Motor



D1006 4.4" Fan Coil Motor

TECH TIP

Residential Air Conditioning Maintenance Checklist



When your customers are out repairing or providing routine/preventive maintenance on residential air conditioning systems, there are a few routine items they should always examine during their inspections of the air conditioning unit and components. Feel free to share this short checklist with your customers...

Fan Blade

- *Is the blade securely mounted? Are there any bends or dents in the blades?* Fan blades need to be balanced to perform efficiently. Unbalance blades may vibrate,

eventually causing the mounts to become loose.

Capacitor

- *Does the microfarad reading match the stated rating within a range of +/- 6%?* If not, the capacitor should be replaced or it may reduce motor speed, which can cause overheating and failure.

Motor

- *Is the condensate drain open and unobstructed?* Check to make sure debris or dust and dirt isn't blocking the opening.

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MARKETING NEWS

Fall 2014 Tradeshow Schedule

Our representatives will be hitting the road again soon, attending a number of industry events across the country where they'll be showcasing some of our best-selling direct replacement motors, blowers and accessories.

So if you're attending any one of these shows in Tennessee or California this fall, be sure to stop by the Regal Beloit booth and say hello to your Fasco/Regal Representatives!

Comfortech

Nashville, Tennessee • September 9-11

RSES Annual Conference & HVACR Technology Expo

Long Beach, CA • October 15-18

IHACI

Pasadena, CA • November 19th

Maintenance Checklist (cont.)

- *Are the motor's wire leads hanging loose?* Loose wires might get tangled in the blade while it's running. Secure any loose wire leads to the motor and unit.
- *Does the motor work within +10% or -25% of the amps listed on the nameplate?* The motor should ideally run within +/-10% of the nameplate full load amps for maximum efficiency. Over 10% may cause overloading, under 25% may cause underloading, both of which can lead to motor failure.

These simple maintenance tips – including a test of the nameplate amps – are always a good idea to perform when inspecting an air conditioning unit.



MARKETING NEWS

On-Site ECM Training Classes for Fall 2014

We're pleased to announce our new fall schedule of on-site training sessions covering the basics and use of ECM motors in residential and light commercial HVAC systems.

Designed to help all HVAC professionals gain confidence and competence in their knowledge of ECM motors – as well as for technicians to learn more about installing ECM driven systems – these courses focus not just on theory, but on practical knowledge as well. Courses cover...

- The basics of ECM technology
- ECM efficiency
- Installation requirements of ECM driven systems
- How variable speed technology benefits HVAC systems
- How variable speed motors work against static pressure
- How to diagnose and replace variable speed motors
- How X13 motors benefit HVAC systems
- How X13 motors work against static pressure
- How to diagnose and replace X13 motors
- How to diagnose and solve airflow issues

- The basics of ECM outdoor fan motors
- The basics of Evergreen retrofit ECMs

Every participant will receive an ECM Service Guide and ECM Technical Manual, and NATE-certified technicians will receive one-hour credit for each class hour taken toward recertification in all of their current forced-air disciplines. For more information about each training session, click on the individual date and location below.

9/4/14 – Cleveland, Ohio

11/4/14 – Dayton, Ohio

11/5/14 – Columbus, Ohio

11/6/14 – Cleveland, Ohio

11/11/14 – Lima, Ohio

11/12/14 – Piketon, Ohio

11/13/14 – Cincinnati, Ohio

11/18/14 – Louisville, Kentucky

11/19/14 – Lexington, Kentucky