



Protecting VFD-Driven Motors from Bearing Damage

September 2011

Electro Static Technology

Don't Wait Until You Have Electrical Bearing Damage... Specify Protection in the Design Phase!



[Download Datasheet](#)

Baldor Wins CONSULTING-SPECIFYING ENGINEER 2011 Product of the Year Gold Award!

In an effort to offer customers truly green technology, Baldor has introduced a new line of Super-E NEMA Premium Efficiency Motors with AEGIS™ Rings factory-installed inside the motor housing. These motors make it easier for consulting engineers to specify electrical bearing protection, and for buyers to take advantage of the energy saving potential of VFDs — without having to worry about the sustainability of the motors or the savings they generate.

Baldor-Reliance Super-E motors with AEGIS™ Inside are so impressive that they recently won CONSULTING-SPECIFYING ENGINEER'S 2011 Product of the Year Gold Award. Electro Static Technology congratulates Baldor on winning this prestigious award.

AEGIS™ Shaft Grounding Rings provide long-term protection of motor bearings against VFD-induced shaft currents and the bearing damage they cause. Proven in hundreds of thousands of installations, the rings channel harmful shaft currents away from bearings safely to ground, protecting both motors and attached equipment.

For more information on Baldor motors with AEGIS™ Inside, [click here](#).

For more information on AEGIS™ Bearing Protection Rings, [click here](#).



[Download HVAC White Paper](#)

Online Resources for Specifiers

The AEGIS™ website, www.est-aegis.com, contains a wealth of information to assist engineers in the specification of AEGIS™ Shaft Grounding Rings.

The LITERATURE & SUPPORT section of the site includes manufacturer's product specifications, the NEMA MG1/CSI 2300 specification reference for AEGIS™ Rings, information on how AEGIS™ Rings qualify as sustainable technology under the Federal Energy Management Program, and information on the effectiveness of AEGIS™ Rings and how they dramatically improve the reliability of VFD-driven motors and systems.



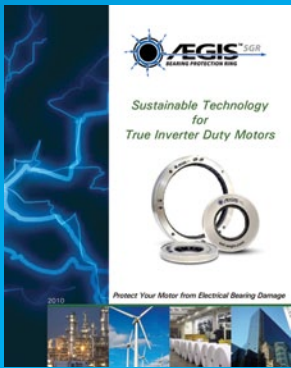
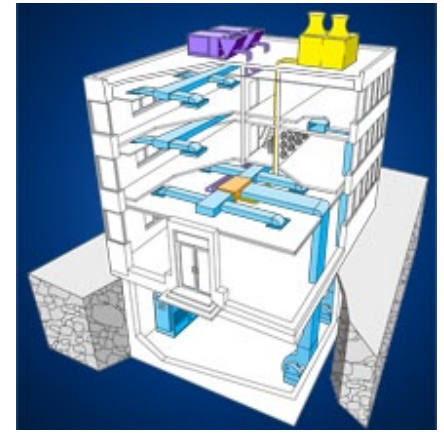


[Download ASHRAE Shaft Grounding Transaction Paper](#)

Also included are technical white papers discussing the problems caused by shaft voltages, various methods of mitigating shaft voltage damage, and the unique microfiber technology used in AEGIS™ Rings.

Application Notes present best practices for installing AEGIS™ Rings on various sizes and types of motors.

To access these Specifiers Resources, [click here](#).



[Download AEGIS™ Catalog](#)

Learn about AEGIS™ Technology... at Your Facility!

Would you like to learn more about patented AEGIS™ Shaft Grounding Technology? How it works? Where it can be used?

If you have a group of engineers, system designers, architects, or technicians who would like to better understand the problems caused by motor shaft currents and how AEGIS™ Technology and products solve these problems, AEGIS™ sales engineers will gladly come to your facility to conduct a Lunch-and-Learn presentation.

To schedule a presentation, please call Karen Cambridge at 1-866-738-1857 or send her an e-mail at kcambridge@est-aegis.com.

We will make every effort to schedule the presentation at your earliest convenience.



[Download McQuay AEGIS™ Promotion Flyer](#)

McQuay Expands AEGIS™ Product Line to Include U-Kits

McQuay now offers Universal Mounting Kits (or U-Kits) for simplified installation of AEGIS™ Shaft Grounding Rings on virtually any NEMA or IEC frame motors — regardless of end bell shape or protrusions.

The kits, which include a solid AEGIS™ ring, four mounting brackets, and hardware are sold based on the motor's shaft diameter or "U" dimensions. They can be mounted to the motor using screws (included in kit) or conductive epoxy adhesive (sold separately).

To promote the AEGIS™ line, McQuay is offering customers who purchase \$3,000 or more in AEGIS™ products during September and October a 10% discount on a November order (some restrictions apply).

For more information, [click here](#).

