



BALDOR-RELIANCE WASHDOWN DUTY MOTORS AND DRIVES OFFER FEATURES, CHOICE AND AVAILABILITY

Better performance and reliability are the inspirations behind Baldor’s new and improved Washdown motors and drives. Baldor’s All-Stainless Washdown, Paint-Free Washdown and Standard Washdown Duty motors are well suited for applications requiring high-pressure cleaning with caustic solution. These choices allow customers to select the right product for the amount of protection required.

Baldor’s new SSE™ Washdown Duty All-Stainless motors are designed to perform longer than any other industrial electric motor available today. This motor, with its unmatched quality and superior reliability, is built to withstand the most corrosive and caustic applications. The Super-E® premium efficiency design of the SSE meets or exceeds NEMA Premium® efficiency levels, providing energy savings, lower temperature rise and increased motor life.

Baldor-Reliance Paint-Free Washdown Duty motors are designed for applications where use of caustic cleaning solutions and regular high-pressure washdowns may compromise the surface of a painted motor. Features include special processed cast endplates; stainless steel motor frame, base, shaft and

hardware; encapsulated windings; and a labyrinth seal on the drive end shaft extension to protect motor bearings.

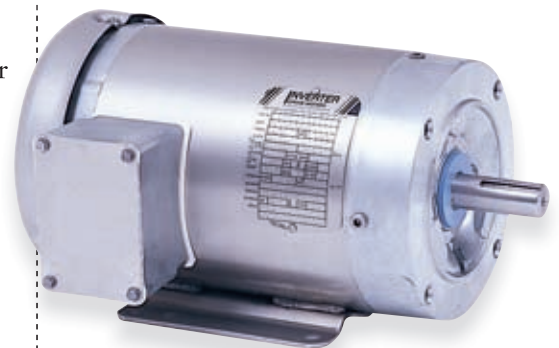
The autophoretic primer and epoxy paint system on Baldor-Reliance Washdown Duty motors makes the finish coat five times more resistant to corrosion and chipping. These motors pass 500 hours in a salt spray booth per ASTM B117. FDA approved epoxy powder coating is electrostatically applied, inside and outside, for thorough corrosion prevention and long lasting finish. This motor is also available in Baldor’s Super-E premium efficient design that delivers both reliability and energy cost savings.

Baldor’s VS1SP Washdown InverterDrive® uses a traditional inverter V/Hz control technology. Its easy setup, quick startup, and right-out-of-the-box operation make it among the most popular variable speed motor controls available. This drive is ideal for applications where multiple motors are operated simultaneously from one motor control.

The VS1GV Washdown VectorDrive® is a high-performance vector drive that offers three modes of operation: closed-loop, encoderless, or the traditional V/Hz

– to control motor speed and torque with precision and the responsiveness needed to accomplish the most demanding applications.

Baldor offers the widest variety of Washdown Duty motors and drives available from stock. Motors may be selected with the required voltage, horsepower, speed and mounting for the application. Plus, Baldor also offers your choice of Baldor-Reliance permanent magnet DC motors, SmartMotor® and servo motors with Washdown Duty construction. No other company offers more Washdown Duty products than Baldor.



BALDOR-RELIANCE

EXTRA TOUGH DODGE® REDUCER NOW AVAILABLE

Baldor's Dodge MAGNAGEAR XTR™ is an extra tough reducer that has been engineered to offer maximum reliability and superior performance in tough, high torque applications.

Designed as a global product, the MAGNAGEAR XTR is available with parallel shaft or right angle configurations and will initially offer torque capacities up to 920,000 lb-in. The modular design of the product allows for multiple mounting configurations and can be used with a variety of soft start mechanisms, making it ideal for a variety of conveying applications.

Designed to meet or exceed AGMA and international standards, this heavy duty, cast iron product features gearing that is carburized, hardened, and precision ground. Tandem HBNR lip seals are standard for extra protection, all bearings exceed AGMA standards for L10 life, and all components



are power matched for optimum performance at a lower installed cost.

In sizes over 390,000 lb-in, the MAGNAGEAR XTR features the proven Dodge planetary design, providing a compact, durable, light weight and economic solution for high

torque applications.

A complete line of engineered accessories are available including, internal lift-off style backstops, cooling systems, rigid couplings, torque arms, swing base mounts, tunnel housings, and baseplates.

NEW DODGE® HYDRAULICALLY-ASSISTED BEARING OFFERS USERS EASY INSTALLATION AND REMOVAL



Ideally suited for large bulk handling conveyors, Baldor's new Dodge hydraulically-assisted ISAF bearing is easy to install and remove, features two superior sealing systems, and has housings and inner units made of ductile iron for added strength.

The Dodge hydraulically-assisted ISAF (8" and larger shaft sizes) utilizes a built-in hydraulically-assisted, adapter-mounted installation and removal system. To install, simply slip the bearing on the shaft and apply hydraulic pressure to position the bearing on the adapter sleeve. Instead of the time consuming process of mechanically rotating a lock nut, the hydraulic system quickly and easily pushes the bearing into position.

Once installed, the full shaft contact offered by this unique mounting system

reduces or eliminates fretting corrosion. To remove, simply apply pressure to the dismount piston to push the bearing off the adapter sleeve. No feeler gauges or special tools are needed for installation or removal.

Factory assembled, sealed and lubricated, the Dodge hydraulically-assisted ISAF features dual sealing systems to ensure longer bearing life by reducing contaminants. A triple lip inner-bore seal, in combination with re-greasable LOR aluminum outer seal with an O-ring, ensure that contaminants can't penetrate the bearing cavity, making it the ideal bearing for dirty and dusty harsh environments.

An ideal replacement for SAF pillow blocks, Baldor's Dodge large bore ISAF is available in sizes ranging from 8 to 15 inches.

DODGE®