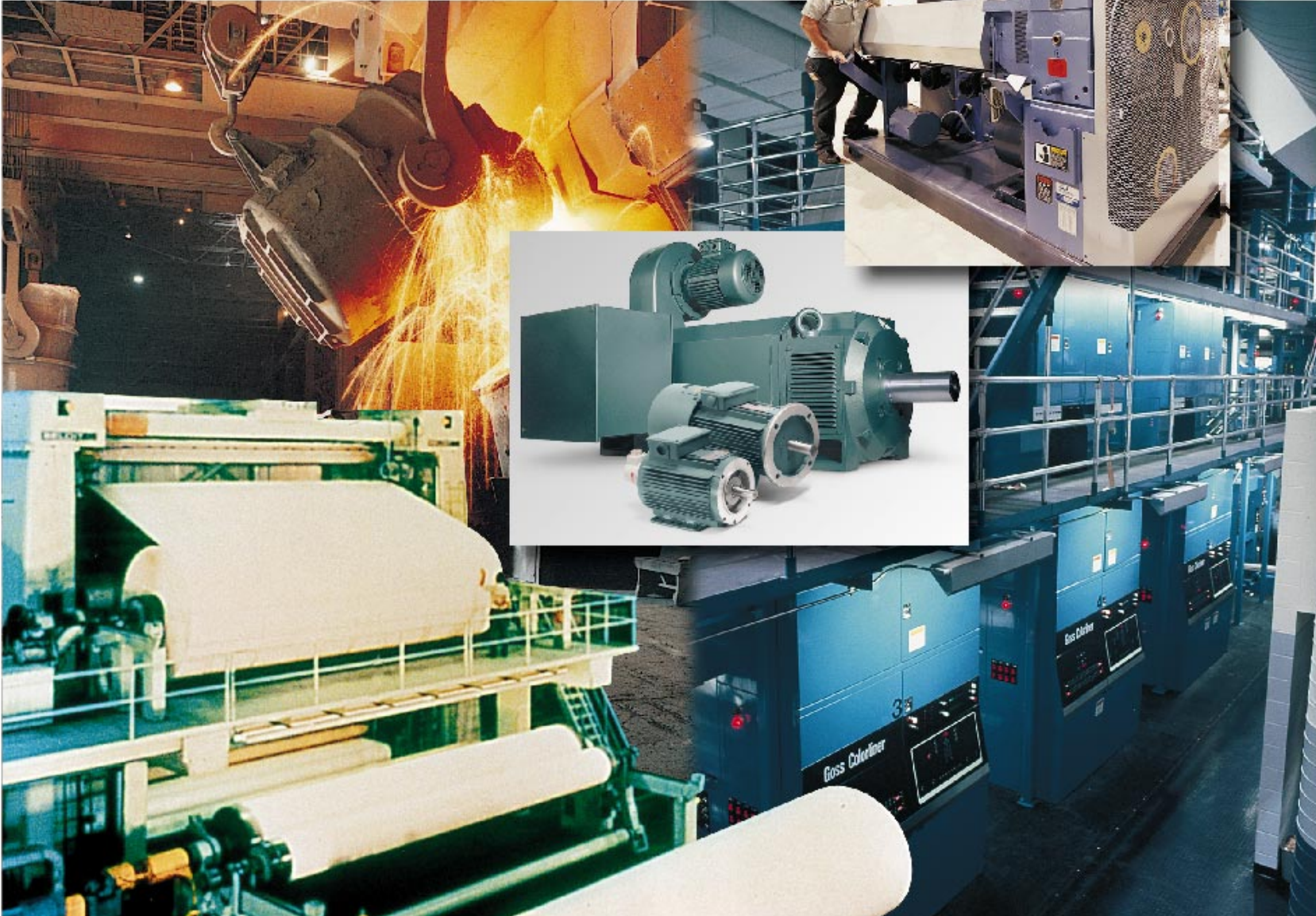


Reliance Electric Variable Speed AC Motors



**1/4-1,000 HP
Inverter Duty Motors**



The Right Motor At Any Speed

The world's first motor and adjustable speed drive combination was introduced in 1904 by Reliance Electric. For over 90 years, the Reliance® name has played a leading role in variable speed technology development.

No wonder industries worldwide look to Reliance Electric motors for variable speed solutions as they move to AC processing. No other manufacturer in the world offers a wider variety of motors to serve as extensive a range of industrial applications.



Rugged, hard-working **VXS AC** motors powering machines in tough paper mill environments. High-performance **Vector AC** motors delivering precise control in demanding printing applications. **RPM™ AC** motors responding quickly and consistently to the critical production requirements of metal processing applications.

Whatever the industry. Whatever the application. Whatever the installation requirements. Simple or demanding. Low horsepower or high. Gritty plant floor, or protected control room. There is a Reliance variable speed motor to fit your needs.

Every product in our variable speed motor family is available in NEMA and IEC frame sizes. So wherever you are. Wherever you're going. Our variable speed motor solutions go with you.

Reliance Electric motors. The right variable speed motor. Every time.

RPM AC DPFV



HP Range	5-1000 HP
Constant Torque	1000:1
Constant HP	Up to 4:1 available
Voltage Range	575 and below
Construction Strengths	Laminated Frame Compact Size Low Inertia High Response Most Efficient Cooling Cooler Bearings/ Longer Life
Typical Applications	Extruders Web Process Cut-To-Length Slitters Coilers Winders Beamers
Typical Industries	Plastics Film Converting Paper Metals Textile Packaging

*Serves traditional
DC applications most cost
effective & high performance*

VXS•XE•E-Master
TEFC



VXS
TENV & TEBC



RPM AC
TEBC



<p>.25-350 HP 2:1, 4:1, 10:1 1.5 x Base Speed 575 and below</p>	<p>.25-350 HP 1000:1 1.5 x Base Speed 575 and below</p>	<p>.25-400 HP 1000:1 Up to 4:1 available 575 and below</p>
<p>Rugged Cast Iron Encl. NEMA Design B Standard T Frames Conforms to NEMA Mounting Survives Tough Environments</p>	<p>Cast Iron NEMA Design B Standard T Frames Conforms to NEMA Mounting Rugged Enclosure</p>	<p>Extruded or Laminated Frame Low Inertia High Response Compact Size Customized Rugged Enclosure</p>
<p>Conveyors Pumps Dryers Mixers Fans Compressors</p>	<p>Centrifuges Coaters Wire Drawing Roofing Lines Cranes Hoists</p>	<p>Runout Tables Winders Metal Forming Test Stands Beamers Crane & Hoist</p>
<p>Mining Paper Petroleum Chemical Waste Water HVAC Pharmaceutical Packaging</p> <p><i>Direct fit for your constant speed motor replacement</i></p>	<p>Metals Paper Chemical Textile Wire & Cable Tire & Rubber</p> <p><i>Wide speed range in NEMA mounting dimension</i></p>	<p>Metals Automotive Transportation Petro-Chem Textile Forest Products</p> <p><i>The ultimate in performance in a rugged enclosure</i></p>

A Higher Standard

The insulation system of every Reliance Electric variable speed motor is designed, manufactured, tested, and proven to provide optimum performance when used with fast-switching power semiconductors (IGBTs) — even with extended lead distances. Surpassed the requirements of NEMA MG.1 part 31.40.4.2 for voltage spikes.



As the first motors in the world to come with Corona Inception Voltage (CIV) ratings, Reliance variable speed motors feature insulation of such integrity that reflected wave hazards are virtually eliminated.

- Motor materials include:
 - Carefully applied phasing for fault protection
 - Separation of coils by head group for system integrity
 - Application-appropriate varnish to prevent corona and harmful discharge
- All coil shapes meet inverter applications, using patterns that reduce coil-to-coil voltage



Reliance variable speed motors are designed to endure high ambient temperatures, humidity, overloads, speed, shock

loading, dirt, grease, moisture, and duty cycles to meet the toughest industrial requirements.

When used with power-matched Reliance Electric drives, Reliance variable speed motors offer the extended performance benefits of parallel design, testing, and development.

Worldwide Training, Service And Support



Rockwell Automation Global Technical Services provides comprehensive service and training for Reliance Electric Variable Speed AC motors and all Reliance Electric products. For information on class availability and pricing, call 1-800-RELIANCE (1-800-735-4262).

Performance Driven

To find out how Reliance Electric can help you meet the productivity and performance demands of your application, call or FAX today:

Toll Free 1-800-245-4501

FAX 1-216-266-7120



Reliance Electric IEC AC and DC motors are available to meet a full range of commercial and industrial applications, from 1/4-15,000 kW.



To obtain the latest information about Reliance Electric products, services, career opportunities, and contacts worldwide, visit us on line at

<http://www.reliance.com>

This document located at <http://www.reliance.com/prodserv/motgen/b2832.pdf>

IMPORTANT NOTICE

This brochure is not intended to provide operating instructions. Appropriate Rockwell Automation instruction manuals and precautions attached to apparatus should be read carefully prior to installation, operation, and/or maintenance of equipment.

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 **Rockwell** Automation
Reliance Electric