

High Performance Variable-Speed AC Motors

Bulletin 1329L AC Motors, .33 to 900 HP



Optimized Electrical Designs

Every **Bulletin 1329L** high performance motor design is optimized for adjustable frequency service – not just a re-rated or oversized standard motor. Rotor slot configuration and stator windings are optimized to provide:

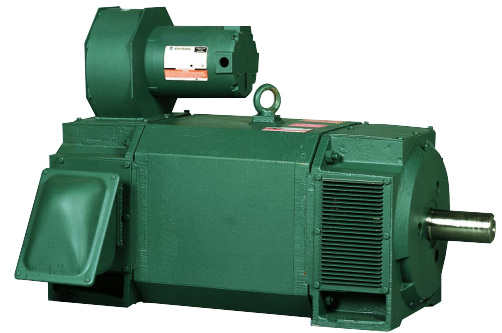
- Reduced KVA/HP for lighter controller loading.
- Lower flux saturation to reduce peak currents and nuisance controller “tripping” induced by peak currents.
- More horsepower per frame size for increased dynamic response – up to three frame diameters smaller than corresponding NEMA frame fixed-speed motors.
- Smoother operation at very low shaft speed.
- Reduced magnetic noise levels due to low flux density designs.

Premium Insulation System

To help assure superior life in most industrial applications, **Bulletin 1329L** motors utilize NEMA Class H materials to provide improved mechanical and thermal strength. The insulation system is designed to meet and exceed NEMA standard MG1 Part 31.40.4.2 for resistance to spikes of 1600 volts with a 0.1 microsecond rise time. Furthermore, the insulation system has a minimum CIV (Rockwell Automation test method) rating of 1600 volts at rated operating temperature. All motors include three thermostats as standard (one per phase) for optimum thermal protection.

Commitment to Quality

The Allen-Bradley **Bulletin 1329L** high performance motors are manufactured in an ISO9001 certified facility and are available with UL® component recognition and CSA approval.



When your variable-speed application demands high performance over wide speed ranges, **Bulletin 1329L** high performance motors offer an exceptional solution. Utilizing state-of-the-art laminated frame technology, **1329L** motors deliver high performance benefits:

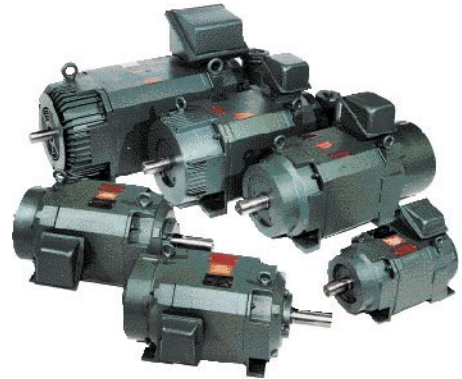
- 100% torque to zero speed on flux vector and field oriented control drives.
- Wide selection of base speeds and modifications available to support your application requirements.
- Control-Matched™ with Allen-Bradley drives.



Bringing Together Leading Brands in Industrial Automation

Superior Mechanical Features

- **Bulletin 1329L** high performance feet-on-bracket design provides a rigid, vibration-resistant, mechanical assembly with increased bearing support to further improve structural dynamics.
- Laminated frame "monobloc" construction increases power densities (HP/frame size) to allow the motor to fit in a minimal space.
- All motors include as standard a machined mounting surface for quick, easy installation of an optional feedback device.
- Cast iron brackets with concentric bearing and frame fits are machined in a single operation to assure uniform air gap and reduced noise.
- Exclusive PLS® Positive Lubrication System with inner cap and open bearing provides a generous grease supply and extended bearing life.
- Easily modified to splash-proof or totally enclosed separately ventilated.

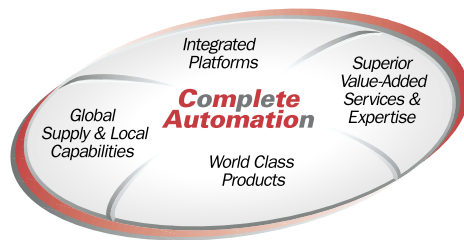


Bulletin 1329L high performance motors are Control-Matched with Allen-Bradley drives for optimum performance and value.

Application Versatility

Bulletin 1329L high performance motors have years of successful field operation in high performance applications:

- Low inertia, cut-to-length
- Paper machines
- Printing presses
- Test stands
- Extruders
- Machine tool
- Drilling rigs



A Complete Automation™ Solution for Variable-Speed Performance

You can depend on Allen-Bradley products and services as your single source for a Complete Automation solution. These products are designed to deliver integrated performance and are backed by comprehensive support services. This total capability from a single source offers you savings and flexibility to ensure optimum value from your investment.

Complete Automation and Control-Matched are trademarks of Rockwell Automation.
PLS is a trademark of Rockwell.
UL is a registered trademark of Underwriters' Laboratories, Inc.



For additional information refer to our web site:

www.controlmatched.com

Reach us now at www.rockwellautomation.com

Wherever you need us, Rockwell Automation brings together leading brands in industrial automation including Allen-Bradley controls, Reliance Electric power transmission products, Dodge mechanical power transmission components, and Rockwell Software. Rockwell Automation's unique, flexible approach to helping customers achieve a competitive advantage is supported by thousands of authorized partners, distributors and system integrators around the world.

Americas Headquarters, 1201 South Second Street, Milwaukee, WI 53201-2496, USA, Tel: (1) 414 382-2000, Fax: (1) 414-382-4444
European Headquarters SA/NV, Boulevard du Souverain 36, 1170 Brussels, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific Headquarters, 27/F Citicorp Centre, 18 Whitfield Road, Causeway Bay, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Publication 1329L-PP001A-EN-P – November, 2000
Supersedes March, 1999



Rockwell Automation

© 2000 Rockwell International Corporation. All Rights Reserved
Printed in the USA