

# CLASS 1 DIVISION 2 RPM AC MOTORS

## RPM AC CLASS 1, DIVISION 2 MOTORS

For installation in areas classified by NEC for Class 1, Division 2 Groups A, B, C & D and equivalently marked for Class 1 Zone 2 locations in accordance with NEC Article 505.<sup>(1)</sup>

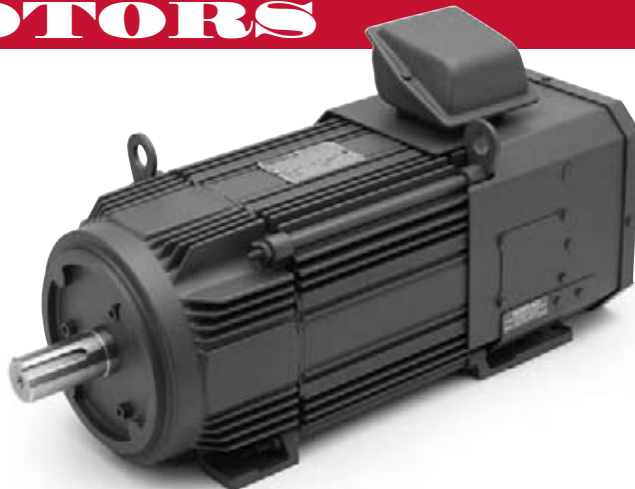
- Certified by CSA for U.S. and Canadian requirements
- HP from 2- 800 (depending on enclosure and NEC temperature code)
- Temperature Codes T1 through T3A
- Accessories must be certified for same NEC location as the motor

For the very first time, Reliance Electric has combined the high performance characteristics of RPM AC Inverter Duty motors with the ability to nameplate for Class 1 Division 2 areas, with CSA third party certification stamped on every motor.

For applications powered by any PWM Inverter for installation in Class 1 Division 2 classified areas, we no longer require the use of a Division 1 listed motor. Extensive joint testing with CSA assures that RPM AC inverter duty motors meet certification requirements.

And you get the same high performance features you have been accustomed to:

- Continuous 1000:1 Constant Torque from zero RPM to base speed
- Premium class H insulation is standard and surpasses NEMA MG.1-Part 31 for Spike Voltages
- VPI option on FL/RL210-L400 frames, standard on L440 frame
- Choice of enclosures – TENV, TEFC, TEBC and DPG-FV
- High starting torque for the most demanding applications
- Wide choice of base speeds – wide constant HP range for winders



All RPM AC motors include the following features as standard:

- Feet on cast iron brackets for rigid, vibration-resistant performance
- Machined mounting surface and tapped shaft for installation of your choice of certified feedback device
- Oversized ball or roller bearings
- Wide choice of C-face, D-flange and IEC flange mounting options

For those applications with variable torque loads, such as centrifugal pumps and fans, where HP varies as the cube of the speed, the typical rating availability for Class 1, Division 2 Groups C and D, T2A Temperature code, 1750 RPM base speed is as follows:

TENV	2 - 75 HP
TEFC	2 - 200 HP
TEBC	2 - 400 HP
DPG-FV	5 - 800 HP

For complete details of our RPM AC Product Line see the Variable Speed Motors Catalog at [www.reliance.com](http://www.reliance.com).

<sup>(1)</sup> Motors for Class 1 Groups A and B are available only in TENV and TEFC enclosures.

✓ Aggregate/Cement

✓ Food

✓ Mining

✓ Forest/Paper

✓ Petro/Chem

✓ Unit/Baggage Handling

✓ HVAC/Industrial Air Handling

✓ Environmental/Fluid Power

✓ Automotive

✓ Metals

[www.ptplace.com](http://www.ptplace.com) [www.dodge-pt.com](http://www.dodge-pt.com) [www.reliance.com](http://www.reliance.com) [www.endorsia.com](http://www.endorsia.com)



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This material is not intended to provide operational instructions. Appropriate Dodge/Reliance Electric instruction manuals and precautions should be studied prior to installation, operation or maintenance of equipment.