

# An Integrated, Cost Saving Solution



## 1329I Integrated Drive Motor with DeviceNet™ Communication

### Power Range

The **1329I** Integrated Drive Motor is available in packages capable of delivering between 1 and 5 horsepower 460 VAC. Single-phase 115 VAC and 230 VAC single- and three-phase input ratings are available.

### Product Highlights

- True Control-Matched drive and motor product with a single source of supply.
- Four-character LED display to indicate operating condition, speed, load and fault codes.
- Fast-switching IGBT transistors for quiet, cool operation of the motor section.
- 0 to 10 VDC or 4 to 20 mA line isolated analog input for easy remote speed reference from a PLC or process controller.
- Totally enclosed standard NEMA frame sizes with C-face and foot mounting for easy installation.
- Default settings of the drive parameters provide "Out of the Box" operation, significantly reducing setup time.
- Volts/Hz Pulse Width Modulated (PWM) drive section with microprocessor-based regulator provides dynamic, reliable motor speed control.
- NEMA Design B inverter-duty with totally enclosed blower-cooled (TEBC) aluminum frames for general industrial applications.
- 0 to 10 VDC line isolated analog output to provide remote speed or load indication.
- Seven selectable preset speeds for application flexibility.
- Isolated digital control inputs for remote operation of the product: start and stop; forward and reverse; fault reset; and function loss.
- Form A contact output for fault annunciation or to interlock run condition.

### Communications Option

The **1329I** Integrated Drive Motor offers a DeviceNet™ communication card giving users more access to process information, allowing real-time programming to control parameters.



*The **1329I** Integrated Drive Motor is designed to provide the functions of a Volts/Hz PWM AC Drive within an Inverter-Duty AC Induction Motor. With the easy connection of input power, the **1329I** provides Control-Matched variable frequency control of AC motors.*



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## Operator Interface

- 4-Character LED Display
  - Local Operator Control (Optional)
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## Standards

- Drive: UL/cUL Listed
  - Motor: UL (Registered)/CSA Certified
  - CE: EN50178  
EN60204-1  
EN61800-3
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## Nominal Ratings

**1-5 HP @ 460V, 1-2 HP @ 230V, 1 HP @ 115V**

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## Input Specifications

Three-Phase Voltage	230 and 460 VAC ±10%
Single-Phase Voltage	115 and 230 VAC ±10%
Frequency	48-62 Hz
Power Ride Through	500 mS minimum

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## Output Specifications

Voltage	115, 230 and 460 VAC, 3-phase
Frequency Range	3-120 Hz
Continuous Current	To 100% of Rated Current
Intermittent Current	To 150%
Instantaneous Current Trip	200%
Speed Regulation	1% of motor base speed
Carrier Frequency	8 kHz

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## Drive Adjustments

Accel/Decel	1 sec accel/5 sec decel, 5-90 sec (accel/decel)
Frequency	0 to 60 Hz Minimum; 50 to 120 Hz Maximum
Stop Mode	Ramp to Stop/Coast to Stop
Start Mode <sup>①</sup>	Local Operator Control/Terminal Block
Preset Speeds	0-70 Hz, 7 Selections
Relay Output	Running/Faulted
Auto Restart	Disabled/Enabled
Reverse	Disabled/Enabled
Power Up Start	Disabled/Enabled
Speed Reference Select <sup>②</sup>	Local Operator Control/Terminal Block
Parameter Mode <sup>②</sup>	Set-Up Switches/EE PROM Memory

- <sup>①</sup> Only available when optional local operator control unit is ordered.  
<sup>②</sup> Applies to DeviceNet Communication only.
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## Ambient Temperatures

Operating Temperature	0 to 40°C
Storage Temperature	-40°C to 65°C

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