

Control, Flexibility and Performance



Now with
New Platform
for 1998!

1336 PLUS_{II} AC Drive

Power Range

The 1336 PLUS_{II} drive is available in packages capable of delivering 0.37 to 448 kW (0.5-600 HP) in three voltage ranges: 200-240V, 380-480V and 500-600V. A smaller drive is now available for the 11-15 kW (15-20 HP) 460V and 5.5-15 kW (7.5-20 HP) 575V ratings.

Product Highlights

- Auto-tuning for **SENSORLESS VECTOR** Control
- Volts/Hertz operation available through parameter selection
- Easy-to-program parameters organized in a group and element structure
- Condensed packaging allows for easy mounting, installation and wiring
- Real-time status, fault and alarm monitoring through Human Interface Module or communications options
- Proactive current limit for high performance and application flexibility
- At temperature provides adaptive control for heatsink temperature conditions
- Flexible analog input/output options with isolation
- Auto economizer for energy savings
- On-board status LEDs (Fault, Stop, Run, Power)
- Multiple language Human Interface Module

Communications

The 1336 PLUS_{II} drive is designed with integrated communications in mind.

Key communication options include:

- ControlNet™
- DeviceNet™
- DriveTools™ Software
- Flex™ I/O
- RS232/422/485 DF1, DH-485
- Remote I/O
- SLC 500™
- Other



1336 PLUS_{II}

The 1336 PLUS_{II} AC drive sets the standard for general purpose, adjustable frequency AC drives. Offering a superior combination of reliability and state-of-the-art microprocessor technology, the 1336 PLUS_{II} drive is the solution for the majority of applications that require precise control of 3 phase AC induction motors.



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Application Logic	<ul style="list-style-type: none"> • Software & Hardware Configurable Inputs/Outputs • S-Curve Acceleration & Deceleration • Process PI Control • Slip Compensation & Droop 	<ul style="list-style-type: none"> • Speed Sensitive Electronic Overload Investigated by UL to Meet NEC Article 430 • Single Drop PLC Interface Option
Operator Interface	<ul style="list-style-type: none"> • Programming and/or Operation • Scalable Process Display 	<ul style="list-style-type: none"> • 2-Line x 16-Character LCD • Multi-Language Support
Drive Protection	<ul style="list-style-type: none"> • Under and Over Voltage • Overcurrent 	<ul style="list-style-type: none"> • Output Phase-to-Phase & Phase-to-Ground Shorts • Input Transient
Input Specifications	Three-Phase Voltage Frequency Power Ride Through Control Ride Through	200-240V AC/380-480V AC/500-600V AC ±10% 47-63 Hz 15mS Minimum 2.0 Sec (Typical)
Output Specifications	Voltage Frequency Range Frequency Resolution Continuous Current Intermittent Current Instantaneous Current Trip Speed Regulation Starting Torque Peak Torque Dynamic Response	0 to 100% of rated Voltage 0-400 Hz 0.003% of Maximum Frequency To 100% of Rated Current To 150% for 60 Seconds At 220%-330% 0.1% with Encoder Option, 0.5% with Slip Compensation 250% of Rated Torque 260% of Rated Torque 12 Radians
Drive Adjustments	Accel/Decel Line Loss Recovery Output Frequency Stop Mode Adjustable Current Limit Motor Overload Motor Control Process PI Loop Speed Regulation Mode 7 Preset Frequencies; 3 Skip Frequencies Flying Start Smooth Torque at Low Speed	0-600 Seconds in 0.01 Sec Increments, Linear or S-Curve 4 Programmable Options 0 to 120 Hz Minimum; 40 to 400 Maximum Coast/Ramp/Brake/Ramp to Hold 20 to 160% 20 to 115% Sensorless Vector; V/Hz Prop. & Int. Gains, Output Limits, Preloads Open Loop, Encoder Feedback, Slip Compensation, Droop, Process PI 0 to 400 Hz 4 Methods Plus Direction 120:1 Speed Range
Ambient Operating Temperatures	Without Enclosure (IP00; Open Style) With Enclosure (IP20; NEMA Type 1), (IP54; NEMA Type 12), (IP65, NEMA Type 4)	0° to 50° C 0° to 40° C

Dimensions - mm (inches) (380-480V Frames Typ.) IP20 (NEMA Type 1)		Height	Width	Depth
.37-3.7kW (0.5-5 HP)		290.0 (11.42)	215.9 (8.50)	207.0 (8.15)
5.5-15kW (7.5-20 HP)		350.0 (13.78)	260.0 (10.24)	212.0 (8.35)
11-22kW (15-30 HP)		476.3 (18.75)	276.4 (10.88)	219.7 (8.86)
30-45kW (40-60HP)		701.0 (27.60)	301.8 (11.88)	225.0 (8.86)
45-93kW (60-125HP)		1240.0 (48.82)	381.5 (15.02)	270.8 (10.66)
112-187kW (150-250HP)		1498.6 (59.00)	511.0 (20.12)	424.4 (16.71)
187-336kW (250-450HP)		2286.0 (90.00)	762.1 (30.00)	635.0 (25.00)

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Rockwell Automation helps its customers receive a superior return on their investment by bringing together leading brands in industrial automation, creating a broad spectrum of easy-to-integrate products. These are supported by local technical resources available worldwide, a global network of system solutions providers, and the advanced technology resources of Rockwell.

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