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PowerFlex® 750-Series 240V Extension

Overview Presentation



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Automation

PowerFlex® 750-Series Drives

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Input Voltage

200...240V

400...480V

600...690V

Power Range

0.5 to 200 Hp
0.37 to 132 kW

1 to 2000 Hp
0.75 to 1400 kW

1 to 1500 Hp
7.5 to 1500 kW

Current Range

2.2 to 477 A

2.1 to 2330 A

1.7 to 1530 A

PowerFlex® 750-Series drives offer scalable solutions from 200V to 690V

PowerFlex 750-Series 240V Input Drives

Product Benefits

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- New voltage rating brings the **performance, flexibility, and connectivity** of PowerFlex 750-Series drives to 200...240V motor applications
- Includes **PowerFlex 753 drive** for general purpose applications and **PowerFlex 755 drive** for high performance system applications
- **Largest power range** (0.5...200 Hp) of three-phase 240V input drives
- Supports a variety of motors and control modes
- **Multiple enclosure types** for installation in a wide range of environment



PowerFlex 750-Series AC Drives

Key Values

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Broad Offering

- Power / Enclosure Ratings
- Global Certifications
- Motor Control
- Packaging Options



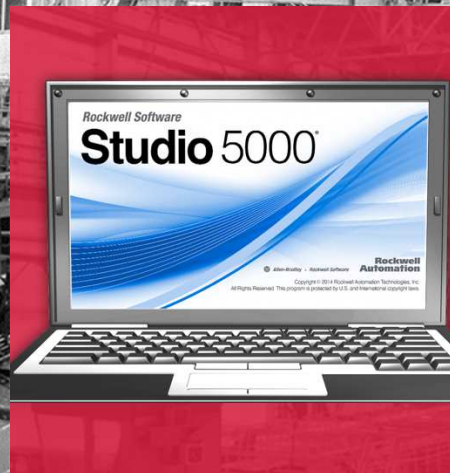
Application Flexibility

- Option Architecture
- Communication Portfolio
- Low Harmonic / Regen
- DC Input Common Bus



Reliability & Maintainability

- Automatic Device Configuration
- Advanced Diagnostics
- Ease of Service
- Excellent Internal Protection



Premier Integration

- Seamless Logix Integration
- Advanced Configuration Interface
- Embedded Instruction Sets

PowerFlex 750-Series 240V Input Drives

Product Specifications

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- Input Voltage: **200...240V**
- Power Range: **0.5...200 Hp / 2.2...477 A**
- Motor Control: **V/Hz, SVC, FVC, Permanent Magnet**
- **Multiple Enclosures**
 - IP00/20, NEMA Type Open (NEMA Type 1 with Kit)
 - IP54, NEMA Type 12
 - Flange (Front: IP20, NEMA Open; Back: IP66, NEMA 4X)
- Integrated **dynamic braking** transistor
 - Standard for Frames 1...5
 - Optional for Frames 6...7
- **AC Input and DC Input**
 - Frames 1...4: AC input including DC terminals
 - Frames 5...7: AC or DC Input Catalog Options



PowerFlex 750-Series 240V Input Drives

Product Compatibility

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Firmware	PowerFlex 750 Firmware V13.002 and later
Accessories, Enclosure and Mounting	240V have the same exterior dimensions as other PowerFlex 750-Series frames. NEMA Type 1 Kits and Flange Mount Kits are compatible with 240V frames
Options, Dynamic Braking	New internal dynamic braking resistor kits (20-750-DB1-B*) for 240V Frame 1 and 2 drives. See Tech Data (750-TD001K) pg. 157 for kit selection
Options, EMC	240V drives are compatible with 20-750-EMC1-* and 20-750-EMC2-* EMC kits. See Installation Instructions (750-IN001Q) pg. 28 for kit selection
Options Cards	Option cards are compatible with 240V drives in alignment with other PowerFlex 750 drives (ex. 20-750-UFB-1 and 20-750-S3 are only compatible with PF755)
Spare Parts, Power Boards	New Frame 6...7 power interface boards and precharge boards for 240V drives
Spare Parts, Fans	240V drives use the same internal and heatsink fans as other PowerFlex 750 frames
Spare Parts, Covers	Replacement covers and doors are compatible with 240V frames
Spare Parts, Control	240V drives use the same spare parts for control components (ex. main control board) as other PowerFlex 750-Series drives

Additional Information

■ Drive Manuals

- PowerFlex 750-Series Technical Data (750-TD001K)
- PowerFlex 750-Series Installation Instructions (750-IN001Q)
- Wiring and Grounding for Pulse Width Modulated (PWM) AC Drives (DRIVES-IN001)
- PowerFlex Low Voltage Drives Selection Guide (PFLEX-SG002L)

■ Option and Accessory Manuals

- PowerFlex 750-Series Board Replacement Kits Installation Instructions (RA-IN028F)
- PowerFlex 750-Series EMC Plate and Cores - Frames 1...7 (750-IN006H)
- PowerFlex 750-Series EMC Cores - Frames 1...7 (750-IN007F)
- PowerFlex 750-Series Internal Brake Resistor (750-IN003D)
- PowerFlex Dynamic Braking Resistor Calculator Application Technique (PFLEX-AT001L)
- PowerFlex 750-Series DC Bus Bar Installation – Frames 6...7 (750-IN009D)

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