

# Migration Solutions

## PowerFlex® 700S High Power\* AC Drive to PowerFlex 755 AC Drive

\*200 Hp/132 kW and greater @ 400/480V AC or 150 Hp/160 kW and greater @600/690V AC

### Why Upgrade or Migrate

While the PowerFlex 700S High Power AC drives (200-1250 Hp & 132-800 kW @ 400/480V AC and 150-1600 Hp & 160-1500 kW @600/690V AC) have been a valuable part of our portfolio for many years, these ratings in the PowerFlex 700S drive family will no longer be available for sale after June 2020.

Now is the time to migrate to the PowerFlex 755 AC drives. As the latest PowerFlex offering in this power range, PowerFlex 755 AC drives offer a variety of new features designed to help improve your operations.

### PowerFlex 755 AC Drives Features and Benefits

- Built for ease of use, application flexibility and productivity
- A slot-based hardware architecture provides flexibility to select up to five option cards to suit your application requirements
- Built-in EtherNet/IP port allows you to configure, control and easily manage drive data over EtherNet/IP networks
- Safety solutions help to protect personnel and equipment
- Predictive diagnostics and built-in protection features help reduce unplanned downtime and guard your investment
- Premier Integration into the Logix environment for simplified and enhanced configuration, programming, commissioning, diagnostics and maintenance
- Automatic Device Configuration (ADC) – Logix controllers can detect a replaced drive and automatically download all configuration parameters without manual intervention to help reduce downtime
- Option to use Integrated Motion on EtherNet/IP to help reduce engineering time



PowerFlex 700S High Power AC Drive

PowerFlex 755 AC Drive Frame 7  
250 to 450 Hp/160 to 270 kW



### Mitigate and Eliminate the Risks of Automation Obsolescence

Rockwell Automation understands that your drives are a critical asset in your automation system, and we support that by providing you with the latest technology to maximize your investment. New technologies can improve and extend the operation of existing equipment and provide an immediate boost to productivity. By migrating from your legacy PowerFlex 700S AC drive to a new PowerFlex 755 AC drive, you can help to decrease downtime, increase speed to market and optimize operations well into the future.

We will help you to meet this demand to innovate by proactively planning and managing your transition every step of the way to help you get the highest possible return on your automation investment.

\*ACTIVE: Most current offering within a product category.

ACTIVE MATURE: Product is fully supported, but a newer product or family exists. Gain value by migrating.

END OF LIFE: Discontinued date announced – actively execute migrations and last time buys. Product generally orderable until the discontinued date.<sup>1</sup>

DISCONTINUED: New product no longer manufactured or procured.<sup>2</sup> Repair/exchange services may be available.

<sup>1</sup> - Outages on specific items may occur prior to the Discontinued date. <sup>2</sup> - Limited stock may be available in run-out mode, regionally.

## Migration Services

By migrating to the Integrated Architecture™, you can optimize your plant and supply chain by connecting people and assets. Rockwell Automation will help you develop a long-term migration roadmap that fits your needs. Whether it's a complete turnkey solution that includes assessment through acceptance, or simply providing you with the tools to do it yourself, we will support you every step of the way and help you get the highest possible return on your automation investment.

To help reduce your risk, choose from the following options for your end of life or discontinued products:

**1. Migration Project** – Migrate your discontinued product now, using the recommended replacement products.

Rockwell Automation can perform the migration for you, or provide you with tools to do it yourself. To request a migration quote, please contact your local authorized Allen-Bradley distributor or Rockwell Automation sales office.

**2. Migration Contract** – This option allows you to migrate on your own schedule and in line with your budget limitations by paying a monthly fee instead of an upfront cost.

## Mitigate Your Risk

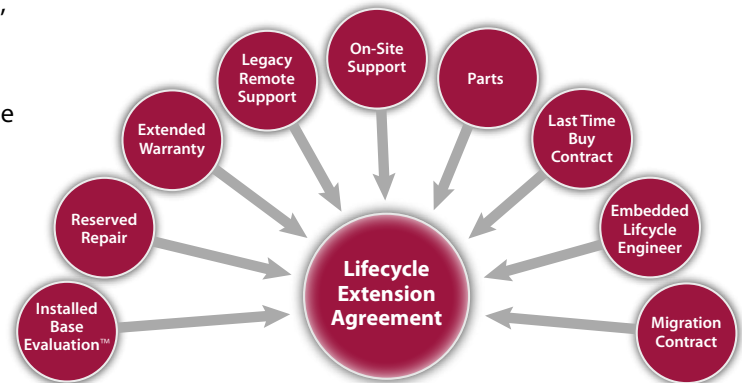
If migration is not an option in the near future, you have several options to help mitigate your risk.

**1. Last Time Buy** – Perform a one-time, last time buy for required product quantity that will support your existing installed base.

**2. Lifecycle Extension Agreement** – This support agreement is a packaged service “bridge” that helps minimize the risk associated with continued operation of older or discontinued automation until you are prepared to migrate.

The agreement can be customized to meet your needs, with potential service options such as:

- Installed Base Evaluation™ – We identify your automation obsolescence risk on site and the lifecycle analysis helps you make data-driven decisions
- Last Time Buy Contract – A commitment to purchase a specified quantity of parts. Rockwell Automation will maintain this inventory and you can access it upon demand.
- Reserved Repair – We provide guaranteed access to a repair of your discontinued products.
- Legacy TechConnect<sup>SM</sup> Support – Remote technical support focused on discontinued products that are no longer supported through the standard hardware remote support.



A Lifecycle Extension Agreement may include these options, designed to help minimize the risk of operating discontinued Rockwell Automation hardware as you migrate to newer technology.

**3. Remanufacturing** – The goal of Rockwell Automation is to support products for at least five years from the date they are removed from general sale, although availability of components may dictate unexpected discontinuation of remanufacturing services.

### Migration Services Help You:

- Decrease planned and unplanned downtime events and duration
- Improve process availability, production capacity and product quality
- Increase speed to market
- Reduce your maintenance costs and efforts
- Increase data availability and security

### Lifecycle Extension Agreement Helps You:

- Reduce the financial consequences of extended downtime associated with operating legacy or discontinued automation equipment
- Buy added time for migration planning and budgeting
- Support your facility without increasing assets (no added carrying costs)

### What's Included When You Work with Rockwell Automation on Your Migration:

- The latest Rockwell Automation® PowerFlex drive technology
- All additional peripherals required
- On-site commissioning





## PowerFlex 700S AC Drive Compared to PowerFlex 755 AC Drive

|  | PowerFlex 700S* Drive  | PowerFlex 755 Drive   |
|--|--|---|
| 200 . . . 240V<br>380 . . . 480V<br>500 . . . 600V<br>690V | 0.75...66 kW / 1...100 Hp<br>0.75...800 kW / 1...1250 Hp<br>1...1600 Hp<br>50...1500 kW  | 0.37...132 kW / 0.5...200 Hp<br>0.75...1400 kW / 1.0...2000 Hp<br>1.0...1500 Hp<br>7.5...1500 kW  |
| Motor Control  | <ul style="list-style-type: none"> <li>V/Hz control</li> <li>Sensorless vector control</li> <li>Vector control w/FORCE Technology with and without an encoder</li> <li>Brushless permanent magnet motor control</li> </ul>   | <ul style="list-style-type: none"> <li>V/Hz control</li> <li>Sensorless vector control</li> <li>Vector control w/FORCE Technology with and without an encoder</li> <li>Permanent magnet motor control (surface and interior)</li> </ul>   |
| Enclosure Types  | <ul style="list-style-type: none"> <li>IP00, NEMA Open (Frames 9-14)</li> <li>IP20, NEMA / UL Type 1 (Frames 1-6)</li> <li>IP21 (Frames 9-14)</li> <li>IP20 NEMA Type 1, MCC (Frames 10-14)</li> <li>IP54 NEMA Type 12, Rittal (Frames 10-14)</li> </ul>   | <ul style="list-style-type: none"> <li>IP00, NEMA / UL Type Open</li> <li>IP20, NEMA / UL Type 1</li> <li>Flange mount back (up to Frame 7):<br/>IP66, NEMA / UL Type 4X</li> <li>IP54, NEMA / UL Type 12</li> </ul>  |
| Standards and Certifications                               | For a current list of standards, see <a href="#">Product Certification List</a> at www.ab.com  |   |
| Logix Integration  | <ul style="list-style-type: none"> <li>Studio 5000 Logix Designer® Add-on Profiles</li> <li>Optional DriveLogix™ embedded control for application programmability and control of auxiliary functions</li> </ul>  | <ul style="list-style-type: none"> <li>Studio 5000 Logix Designer® Add-on Profiles</li> <li>Studio 5000 Logix Designer Motion Instructions – Integrated Motion on EtherNet/IP eases drive configuration and control by using profiles and instruction sets embedded in the Studio 5000 Logix Designer® application</li> </ul> |
| Safety Options   | <ul style="list-style-type: none"> <li>Safe Torque Off – PLd / SIL 2, Cat 3</li> </ul>   | <ul style="list-style-type: none"> <li>Safe Torque Off – networked or hardwired solution, both certified at SIL 3, PLe, Cat 3</li> <li>Safe Speed Monitor – SIL 3, PLe, Cat 4</li> </ul>  |
| Communications   | <p>Option modules available for:</p> <ul style="list-style-type: none"> <li>EtherNet/IP</li> <li>ControlNet</li> <li>DeviceNet</li> <li>Additional modules to support variety of industrial networks</li> </ul>  | <p>Built-in EtherNet/IP port standard</p> <p>Option modules available for:</p> <ul style="list-style-type: none"> <li>Dual port EtherNet/IP</li> <li>ControlNet</li> <li>DeviceNet</li> <li>Additional modules to support variety of industrial networks</li> </ul>   |
| I/O  | <ul style="list-style-type: none"> <li>6 digital (3-24V DC or 115V AC, 3-24V DC) inputs</li> <li>3 (2 bipolar voltage of current, 1 unipolar voltage) analog inputs</li> <li>1 PTC input (uses an analog input)</li> <li>2 (bipolar voltage or current) analog output</li> <li>1 form C</li> <li>2 transistor outputs</li> </ul> | <ul style="list-style-type: none"> <li>1 digital input standard</li> <li>Option cards for additional I/O</li> </ul>   |
| Motor Types  | <ul style="list-style-type: none"> <li>Induction motors</li> <li>Brushless permanent magnet motors</li> </ul>  | <ul style="list-style-type: none"> <li>Induction motors</li> <li>Permanent magnet motors (surface and interior)</li> </ul>  |
| Positioning  | <ul style="list-style-type: none"> <li>Indexing</li> <li>Position / speed profiling</li> </ul>   | <ul style="list-style-type: none"> <li>Indexing</li> <li>PCaming</li> <li>Electronic gearing</li> <li>Position / speed profiling</li> </ul>   |
| Feedback   | <ul style="list-style-type: none"> <li>Incremental</li> <li>Resolver</li> <li>Stegmann high resolution</li> <li>Heidenhein</li> </ul>  | <ul style="list-style-type: none"> <li>Incremental</li> <li>EnDat, Hiperface, SSI and BiSS</li> </ul>   |
| Application Sets   | N/A  | <ul style="list-style-type: none"> <li>Lifting: TorqProve™</li> <li>Oil well: pump jack and pump off</li> <li>Fibers: P-jump and traverse</li> </ul>  |

\*Only frames sizes 9-14 (200 Hp/132 kW and greater @ 400/480V AC or 150 Hp/160 kW and greater @ 600/690V AC).

## For More Information

To better understand your options, contact your local authorized Allen-Bradley distributor or Rockwell Automation sales office or visit: [www.rockwellautomation.com/go/lifecycle](http://www.rockwellautomation.com/go/lifecycle) and [www.rockwellautomation.com/go/migration](http://www.rockwellautomation.com/go/migration).

Connect with us.    

**rockwellautomation.com** \_\_\_\_\_ expanding **human possibility**<sup>®</sup>

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