

PowerFlex® 750-Series AC Drives



Designed for Ease of Use, Integration and Application Flexibility



LISTEN.
THINK.
SOLVE.®

PowerFlex® 750-Series AC Drives The Power and Control You Need

With a complete power range of 0.75 to 1500 kW (1 to 2000 Hp) and 400/480 and 600/690 volt availability, the PowerFlex 750-Series is a comprehensive drive family providing productivity-enhancing benefits to a wide range of global applications.

The PowerFlex 750-Series of AC drives was designed with your needs in mind. Your need for flexibility, productivity and ease of use has been considered in every detail of these drives. The result is a family of AC drives that provides an exceptional user experience, from initial programming through operation.

This robust family of AC drives offers high performance for a wide variety of industrial applications. The PowerFlex 753 provides general purpose control for applications ranging up to 350 Hp/250 kW while the PowerFlex 755 provides maximum flexibility and performance up to 2000 Hp/1500 kW.

Consider these key features of the PowerFlex 750-Series drives and how they can help you maximize your productivity:

Simplified Integration with Logix – The PowerFlex 753 and 755 offer seamless integration into the Logix environment for simplified and enhanced configuration, programming, commissioning, diagnostics and maintenance. Using either Add-on Profiles or embedded instructions*, you'll be able to reduce engineering time – and related costs – while improving the configuration, control and collection of data.

Communications – The PowerFlex 750-Series supports a comprehensive range of network protocols to ease integration into your architecture. The PowerFlex 755 features an embedded EtherNet/IP™ port, allowing you to easily manage drive data over EtherNet/IP networks. In addition, a dual-port EtherNet/IP option module for the PowerFlex 750-Series provides flexible and cost-effective ways to apply EtherNet/IP, including Device Level Ring functionality.

Safe Torque-off and Safe Speed Monitor – Help protect personnel and equipment while reducing machine downtime with safety solutions up to and including PLe/SIL, Cat 3 and Cat 4. These safety options provide a choice for safety levels depending on your application requirements.



The PowerFlex 753 and 755 AC drives offer more selection for control, communications, safety and supporting hardware options than any other drives in their class.

DeviceLogix™ – Controls outputs and manages status information locally within the drive, allowing you to operate the drive independently or complementary to supervisory control.

Configure for Your Application – Each drive has a slot-based hardware architecture that reduces unnecessary add-ons and gives you the flexibility to select option cards to suit your application and expand your drive for future needs. Supported hardware control options are common for the series to help reduce your inventory and spare parts requirements.

Predictive Diagnostics – Prevent unplanned downtime with predictive diagnostics and built-in protection features to help guard your investment. These settings allow the PowerFlex 750-Series to keep track of information that affects the life of the drive components. PowerFlex 755 drives 250 kW/350 Hp and larger have additional diagnostic features including built-in protection devices.

Application-matched Packaging – Gain additional flexibility with packaging options that address a range of application and environmental protection requirements.

Feedback – Options include Universal, Encoder and Dual Encoder feedback options. The Universal Feedback option includes multiple feedback interfaces to support a wide range of applications. Interfaces supported are Incremental, EnDat and Hiperface for Stegmann and Heidenhain high resolution feedback, SSI and BiSS for rotary and linear applications. The drives also provide automatic feedback loss switchover.

* PowerFlex 755 uses embedded instructions



PowerFlex 753 AC Drive

The PowerFlex 753 is ideal for general purpose applications requiring speed or torque control up to 250 kW/350 Hp. Embedded I/O along with three option slots for safety, feedback, communications, 24V power or additional I/O make the drive a flexible, cost-effective solution.



PowerFlex 755 AC Drive

PowerFlex 755 is ideal for applications requiring positioning, speed or torque control up to 1500 kW/2000 Hp. The PowerFlex 755 is easily integrated with the embedded Ethernet port and has five option slots to support additional options for feedback, I/O, safety, communications, and auxiliary 24V DC control power.

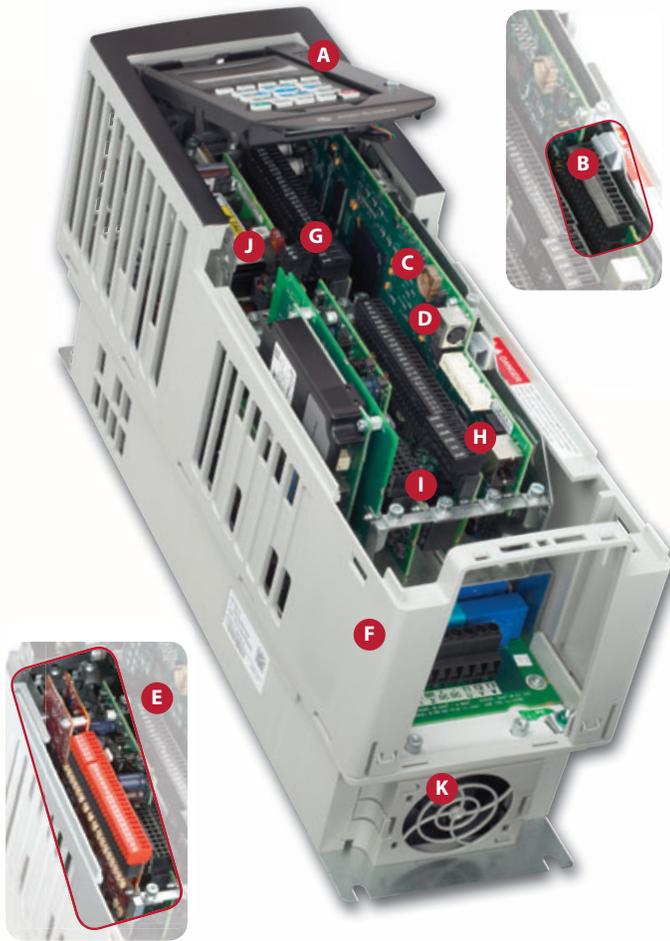
The PowerFlex 755 AC drive can be integrated with a ControlLogix® or CompactLogix™ Programmable Automation Controller (PAC) via drive instructions that are actually embedded in the PAC. This level of integration is specific to PowerFlex 755 drives on EtherNet/IP.

	PowerFlex 753	PowerFlex 755
400/480V 600V 690V	0.75 to 250 kW/1.0 to 350 Hp 1.0 to 300 Hp 7.5 to 250 kW	0.75 to 1400 kW/1.0 to 2000 Hp 1.0 to 1500 Hp 7.5 to 1500 kW
Logix Integration	<ul style="list-style-type: none"> Automatic Device Configuration (with 20-750-ENETR and Studio 5000**) Add-on Profiles 	<ul style="list-style-type: none"> Embedded instructions in Studio 5000** Automatic Device Configuration (with embedded port or 20-750-ENETR, and Studio 5000**) Add-on Profiles
DeviceLogix Control Technology	✓	✓
Safety Options: Safe Torque-Off, Safe Speed Monitor	✓	✓
Predictive Diagnostics	✓	✓
Option Slots	3	5 (3 for frame 1)
Communications	Option modules available for: <ul style="list-style-type: none"> EtherNet/IP™ Dual-port EtherNet/IP ControlNet™ DeviceNet™ And a variety of industrial networks 	Embedded Ethernet port standard Option modules available for: <ul style="list-style-type: none"> Dual-port EtherNet/IP ControlNet DeviceNet And a variety of industrial networks
I/O	Embedded I/O standard <ul style="list-style-type: none"> 3 Digital Inputs, 1 Relay Output, 1 Transistor Output, 1 Analog Input, 1 Analog Output, 1 PTC Input Option cards for additional I/O 	1 Digital Input standard <ul style="list-style-type: none"> Option cards for additional I/O
Motor Types	<ul style="list-style-type: none"> Induction Motors Permanent Magnet Motors (Interior) 	<ul style="list-style-type: none"> Induction Motors Permanent Magnet Motors (Surface and Interior)
Positioning	<ul style="list-style-type: none"> Indexing 	<ul style="list-style-type: none"> Indexing PCamming Electronic Gearing Position/Speed Profiling
Feedback	<ul style="list-style-type: none"> Incremental 	<ul style="list-style-type: none"> Incremental EnDat, Hiperface, SSI and BiSS Absolute
Application Sets	<ul style="list-style-type: none"> Oil Well <ul style="list-style-type: none"> Pump Jack & Pump Off Fibers <ul style="list-style-type: none"> PJump & Traverse 	<ul style="list-style-type: none"> Lifting <ul style="list-style-type: none"> Torqprove* Oil Well <ul style="list-style-type: none"> Pump Jack & Pump Off Fibers <ul style="list-style-type: none"> PJump & Traverse
Conformal Coating	✓	✓

* See publication PFLEX-BR009 for more information on crane/hoist applications.

** Also previous versions of RSLogix 5000 software.

PowerFlex 750-Series AC Drive



- A** High-definition LCD display allows for six lines of text for more meaningful explanations of parameters and events.
- B** Standard I/O on the PowerFlex 753 provides a cost-effective solution.
- C** Real-time clock provides time-stamped events vs. run-time data.
- D** Additional DPI for expanded programming capability.
- E** Increase safety performance levels with the Safe Speed Monitor option card which includes an embedded safety relay.
- F** Packaging options to meet application requirements.
- G** DeviceLogix embedded control technology provides function block programming for stand-alone control of basic applications.
- H** Easily configure, control and collect drive data with standard embedded Ethernet port on the PowerFlex 755.
- I** Slot-based mechanical architecture to support additional options for I/O, feedback, safety, communications and auxiliary power supply.
- J** Optional Auxiliary Power Supply maintains control and communications in event that main power is not present.
- K** Easily assessable heat sink and internal fans.

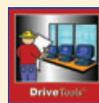
e-Tools Simplify and Enhance Use of PowerFlex 750-Series Drives

Add-on Profiles

For simplified AC drive start-up and reduced development time, we've integrated Allen-Bradley® PowerFlex drive configuration with Studio 5000™ Logix Designer software (formerly RSLogix™ 5000). This single-software approach simplifies parameter and tag programming while still allowing stand-alone drive software tool use on the factory floor.

Embedded Instructions

The PowerFlex 755 AC drive can be configured with drive instructions embedded in Allen-Bradley ControlLogix and CompactLogix Programmable Automation Controllers (PAC). These are the same configuration parameters and programming instructions used by Allen-Bradley Kinetix® servo drives, providing a common, enhanced user experience.



DriveTools™ SP Software Suite

A powerful PC-based software suite, for programming, configuring and troubleshooting.

- DriveExecutive™ – for online/offline configuration and management of drives and drive peripherals
- DriveObserver™ – for real-time trending of drive information



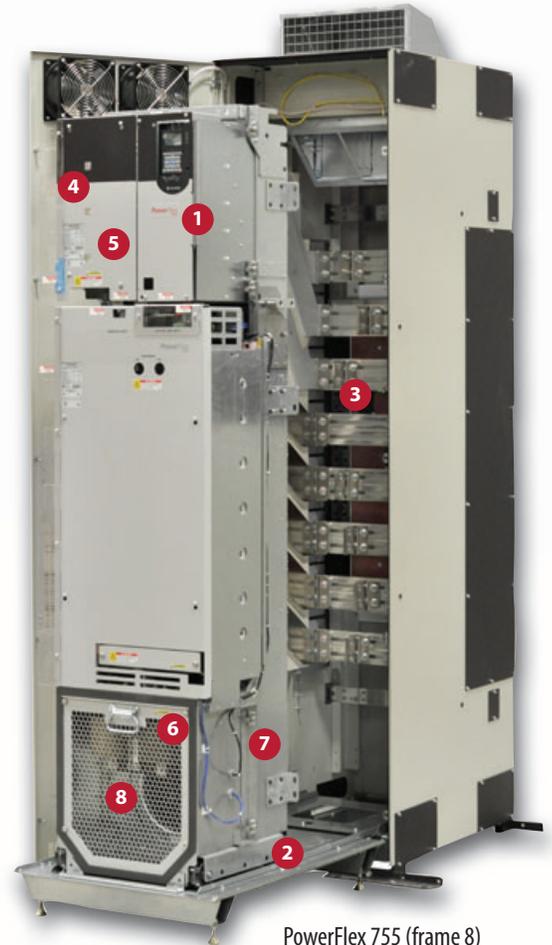
Connected Components Workbench™

Programming and configuration software supports all PowerFlex drives, Micro800™ controllers and PanelView™ component graphic terminals. This software leverages proven Rockwell Automation and Microsoft® Visual Studio® technologies for fast and easy controller programming, drive configuration and integration with the HMI editor.

PowerFlex 755 Floor Mount AC Drives

In addition to all the options and benefits available in the PowerFlex 750-Series, the PowerFlex 755 drives 250 kW/350 Hp and larger offer added benefits for maintenance and installation flexibility.

- 1 Control pod is common with smaller ratings providing embedded Ethernet port and 5 slots for option modules, and can be remote mounted (up to 23 m) for hassle-free access to low voltage control.
- 2 Roll in/out design makes the drive easy to install and service by allowing complete removal from cabinet, providing generous room for wiring behind the drive. Power wiring can stay connected while unit is rolled out.
- 3 Adjustable terminals provide flexibility for wiring preferences such as top or bottom entry.
- 4 Integrated fusing eliminates need for separately mounted drive short circuit protection. Status is reported from the drive to ease troubleshooting.
- 5 Replaceable surge protector reduces downtime after incoming transient voltage events. Status is reported from the drive to ease troubleshooting.
- 6 Integrated DC link inductor enhances protection from power system events, and reduces input harmonics.
- 7 Sealed cooling channel uses external air for main cooling, reducing contamination exposure for electronics.
- 8 Modular construction allows fast and easy replacement of parts (e.g., main blower, capacitor assembly, circuit boards), minimizing production downtime.

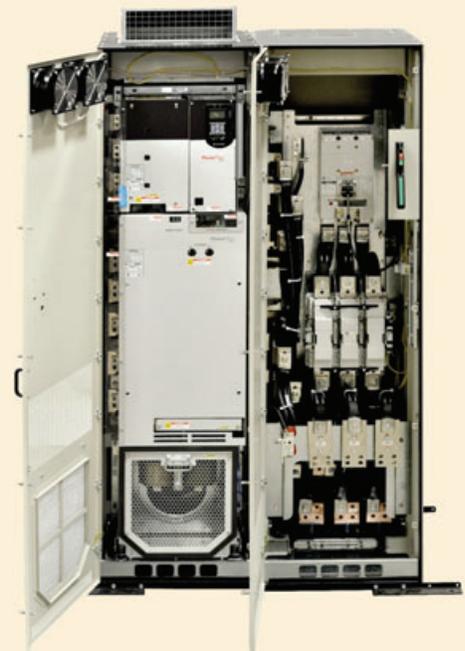


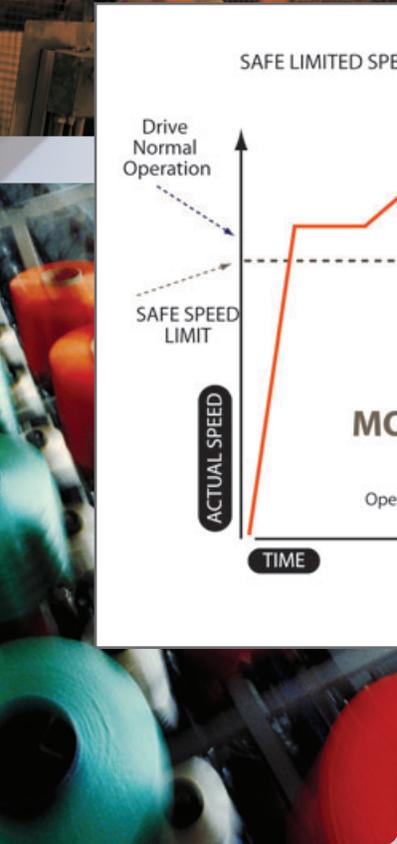
PowerFlex 755 (frame 8)
250 to 500 kW/350 to 600 Hp

PowerFlex 755 Drives with Option Bays

All PowerFlex 755 floor mount drives are available with a power option bay which provides a cost-effective solution for power disconnect and other popular power options. Based on customer specifications, components are correctly sized and optimized for the appropriate overload duty rating. By eliminating the need for accessory sizing and the possibility of installation errors, the option bay helps to reduce engineering and installation time and costs. Option Bays are available with both IP20 and IP54 environmental ratings.

View a video on the benefits of the PowerFlex 755 at:
<http://ab.rockwellautomation.com/Drives/PowerFlex-755>





Safety

To help you protect personnel and assets while improving machine uptime, the PowerFlex 750-Series is available with two safety options:

1. Safe Torque-Off option or
2. Safe Speed Monitor option.

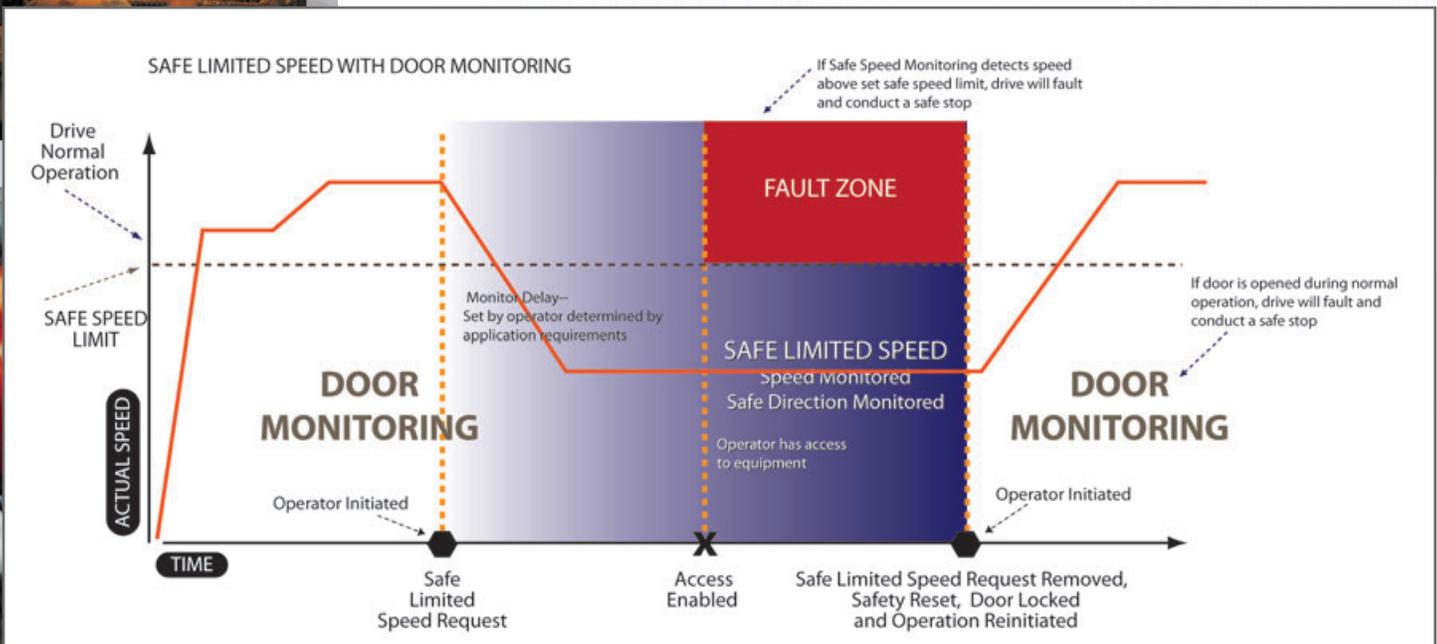
Safe Torque-Off is ideal for safety-related applications requiring removal of rotational power to the motor without removing power from the drive. Safe Torque-Off functionality offers the benefit of quick start-up after a demand on the safety system, helps reduce wear from repetitive start-up, and provides safety ratings up to and including SIL, PLe, and CAT 3.

The Safe Speed Monitor option provides a solution for applications that can benefit from access to a safety zone while there is limited motion. It helps you safely monitor and control the speed of your application, which allows operators to perform process or maintenance work without stopping the machine.

In addition, Safe Speed Monitor has an integrated monitoring relay to save additional panel-space installation labor. This option carries a safety rating up to and including SIL, PLe and Cat 4.

The Safe Speed Monitor option provides the following functionality:

- Safe Torque-Off
- Stop Categories 0, 1 and 2
- Safe Stop
- Safe Limited Speed
- Safe Maximum Speed
- Safe Maximum Acceleration
- Safe Direction
- Zero-Speed Monitoring
- Door Control and Monitoring
- Enabling switch input



The Right Packaging for Your Application

Because application conditions and environments vary, PowerFlex 750-Series drives are available with a choice of packaging options. From highly flexible IP00 open styles to MCC-style cabinets and other features that help provide additional protection, there's a PowerFlex 750-Series drive with the right packaging to help you meet productivity goals.

PowerFlex 755 Floor Mount Drives with IP00, NEMA/UL Open Type Ratings

The PowerFlex 755 IP00, NEMA/UL Open Type drives are designed to provide packaging flexibility, including the option for either vertical or horizontal mounting orientations. This option is available in PowerFlex 755 floor mount drives with ratings up to 1500 kW/2000 Hp.

PowerFlex 750-Series Drives with IP54/UL Type 12 Ratings

For applications requiring additional protection from harsh environments, PowerFlex 753 and 755 drives are available with IP54/UL Type 12 enclosures. These enclosures help protect the drive from dust and splashing water and are appropriate for moderately harsh indoor environments.



PowerFlex 750-Series drives are available with a variety of enclosure options and ratings including IP00, IP20, IP54 (above left) and an extra protection flange mount (above right).

Enclosure	Rating	Temperature Range	PowerFlex 753	PowerFlex 755
Wall Mount	IP00, IP20, NEMA/UL Open Type	0 – 50 °C 32 – 122 °F	X	X
Extra Protection Flanged Mount	Front: IP00, IP20 & NEMA/UL Open Type Back: IP66 & NEMA/UL Type 4X	Front: 0 – 50 °C 32 – 122 °F Back: 0 – 40 °C 32 – 104 °F	X	X
Extra Protection Wall Mount	IP54 & NEMA/UL Type 12	0 – 40 °C 32 – 104 °F	X	X
NEMA 1 Kit	Converts Open Type to NEMA/UL Type	0 – 40 °C 32 – 104 °F	X	X
Floor Mount	IP20, IP54, IP00	0 – 40 °C 32 – 104 °F		X*

* Floor mount drives are available for PowerFlex 755 higher power ratings (above 250 kW/350 Hp) only. PowerFlex 755 higher power drives (ratings above 250 kW/350 Hp) are available in IP00, IP20 and IP54 enclosure ratings.

Premier Integration Simplifies Development, Use and Maintenance

By combining the advanced capabilities of the Rockwell Automation Integrated Architecture™ and the communication capabilities of PowerFlex drives, you can achieve an exceptional level of integration between drives and controllers. The benefits of this integration range from reduced development time to simplified maintenance.

To achieve this integration, PowerFlex drives use add-on profiles in Studio 5000™ Logix Designer software (formerly RSLogix™ 5000) to streamline drive installation. Add-on profiles minimize the need to individually program the required parameters and tags. The result is simplified programming, which puts an end to the need to frequently refer back to user manuals for specific parameter and tag information. And all PowerFlex drives on EtherNet/IP are able to take advantage of these add-on profiles.

In addition, Automatic Device Configuration (ADC) support for the PowerFlex 750-Series drives – shown below – helps reduce downtime.

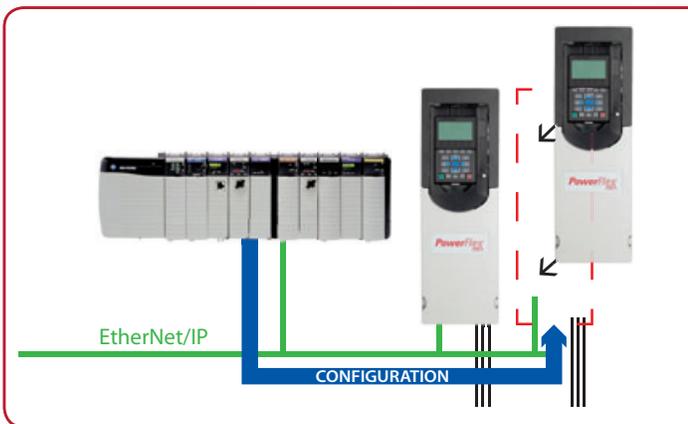
Easy-to-use tools help reduce development time and require no specialized knowledge – Wizards with advanced graphical interfaces walk you through drive parameter configuration.

Eliminate errors associated with using multiple software tools – Single development environment to configure and program your entire Logix drive system.

Access, edit and save drive information to the control system project with ease – Drive configuration is saved as part of the RSLogix project file (*.acd) and is also stored in the Logix controller, so there's no need to store and maintain multiple files – you only need one file.

Easily download global objects and faceplates – You can use the same tag names generated by the drive add-on profiles to utilize global objects and faceplates for a FactoryTalk® View HMI display

Easy to Maintain – Diagnostic, fault, alarm, and event information are integral to Studio 5000.



With Automatic Device Configuration (ADC), the Logix controller can automatically detect a replaced PowerFlex 753 or 755 drive and download all configuration parameters, eliminating the need for manual reconfiguration. (PowerFlex 753 AC drives require a dual-port EtherNet/IP communication card for ADC.)

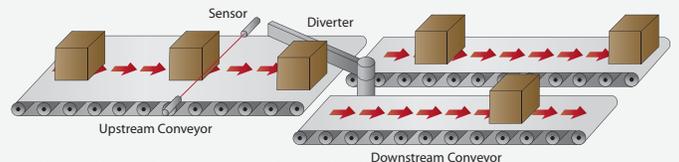
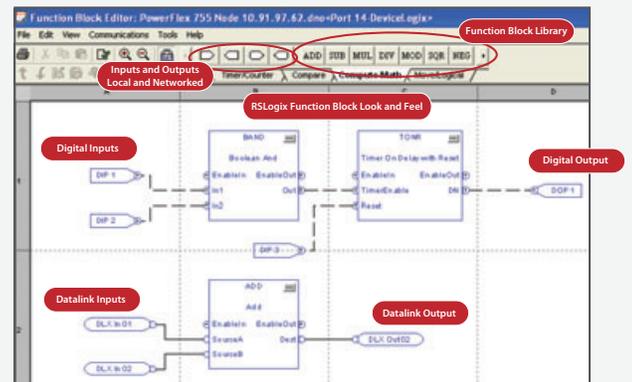
DeviceLogix™ Control Technology

DeviceLogix control technology provides you with the flexibility to customize a drive to more closely match your application needs. DeviceLogix controls outputs and manages status information locally within the drive, allowing you to operate the drive independently or complementary to supervisory control, helping to improve system performance and productivity.

You can use the PowerFlex 750-Series DeviceLogix to:

- Speed reaction time by processing in the drive, which reduces dependency on network throughput
- Provide scaling, selector switches, or other data manipulations not already built into the drive
- Read inputs/write outputs and exclusively control the drive
- Provide an option for decision-making if communication is lost with main controller
- Control other PowerFlex drives via a Peer-to-Peer EtherNet/IP network

DeviceLogix is easily programmed via: RSLogix 5000 and DriveTools SP v 5.01.

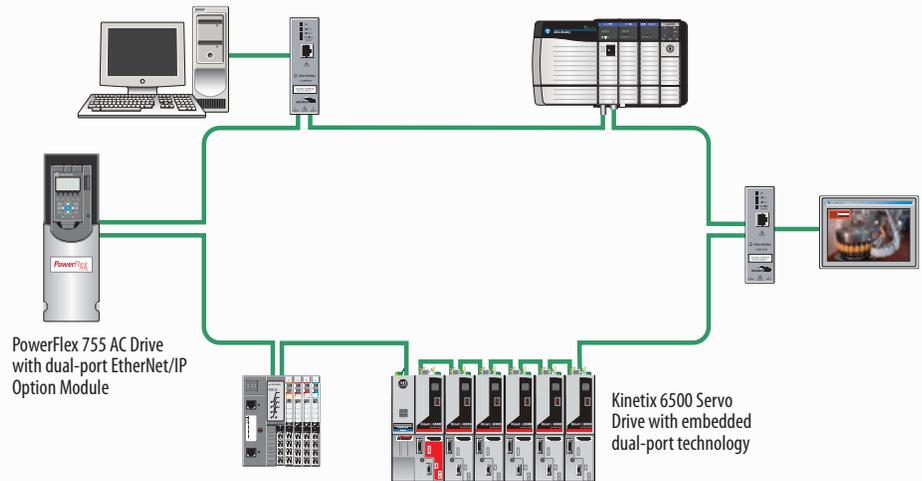


EtherNet/IP – A Single Network for Complete Machine Control

Connect Your Entire Enterprise

Benefit from the EtherNet/IP network for complete machine control that simplifies and enhances machine design.

- Low cost, high performance and easy to use as compared to a multi-network architecture
- Easily integrate any PowerFlex drive, I/O, smart actuators and any other EtherNet/IP connected device
- EtherNet/IP is an established, broadly-adopted network
- The PowerFlex 755 AC drive and Kinetix 6500 servo drive can reside on the same EtherNet/IP network and be programmed with a common set of motor control instructions available in ControlLogix and CompactLogix Programmable Automation Controllers



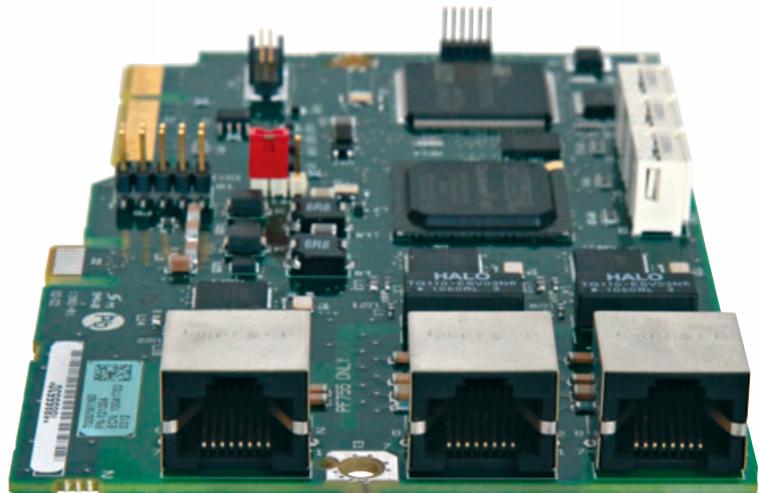
Device Level Ring (DLR) is an ODVA standard and provides fault tolerant connectivity for high drive availability. If one device on the EtherNet/IP network fails, the other devices are able to continue operation.

Dual-port EtherNet/IP Option Module for PowerFlex 750-Series AC Drives

The PowerFlex 750-Series Dual-port EtherNet/IP option module provides flexible and cost-effective ways to apply EtherNet/IP, and supports Ring, Linear and Star topologies as well as DLR functionality. DLR-based networks reduce configuration time and costs by minimizing the number of managed switches and reducing cabling needs. Users can create a single fault-tolerant DLR network that connects all components at the device level locally.

Information can be seamlessly communicated in real time to various levels of an organization, without requiring additional complexity. Getting real-time information at the right time and at the right levels of the manufacturing environment helps you enhance the agility of your business.

This solution supports optimal integration on a DLR level for the PowerFlex 755 via instructions embedded in the Logix controller, further enhancing integration into the Rockwell Automation Integrated Architecture. Only Allen-Bradley drives are able to offer optimal integration into the Integrated Architecture, providing simplified configuration, programming, commissioning, diagnostics and maintenance.



All PowerFlex 755 AC drives have a single embedded Ethernet port. This 750-Series option module provides the benefits of dual-port EtherNet/IP functionality for both the PowerFlex 753 and 755.

PowerFlex 753 and PowerFlex 755 AC Drive Specifications

Frame/Rating Cross-Reference						
Frame ¹	400V AC (540V DC) Input			480V AC (650V DC) Input		
	Amps	Normal Duty kW	Heavy Duty kW	Amps	Normal Duty Hp	Heavy Duty Hp
1	2.1	0.75	0.37	2.1	1	0.5
	3.5	1.5	0.75	3.4	2	1.5
	5	2.2	1.5	5	3	2
	8.7	4	2.2	8	5	3
	11.5	5.5	4	11	7.5	5
	15.4	7.5	5.5	14	10	7.5
2	2.1	0.75	0.75	2.1	1	1
	3.5	1.5	1.5	3.4	2	2
	5	2.2	2.2	5	3	3
	8.7	4	4	8	5	5
	11.5	5.5	5.5	11	7.5	7.5
	15.4	7.5	5.5	14	10	7.5
3	22	11	7.5	22	15	10
	30	15	11	27	20	15
	37	18.5	15	34	25	20
4	43	22	18.5	40	30	25
	60	30	22	52	40	30
5	72	37	30	65	50	40
	85	45	37	77	60	50
6	104	55	45	96	75	60
	140	75	55	125	100	75
	170	90	75	156	125	100
	205	110	90	186	150	125
7	260	132	110	248	200	150
	302	160	132	302	250	200
	367	200	160	361	300	250
	456	250	200	415	350	300

Frame	600V AC, Three-Phase Drives				
	Output Amps ²			Normal Duty Hp	Heavy Duty Hp
	Cont.	1 Min.	3 Sec.		
3	1.7 (0.9)	1.9 (1.4)	2.6 (2.6)	1	0.5
	2.7 (1.7)	3.0 (2.6)	4.1 (4.6)	2	1
	3.9 (2.7)	4.3 (4.1)	5.9 (7.3)	3	2
	6.1 (3.9)	6.7 (5.9)	9.2 (10.5)	5	3
	9 (6.1)	9.9 (9.2)	12.1 (13.5)	7.5	5
	11 (9)	12.1 (13.5)	16.5 (24.3)	10	7.5
	17 (11)	18.7 (16.5)	25.5 (29.7)	15	10
4	22 (17)	24 (26)	33 (46)	20	15
	27 (22)	30 (33)	41 (59)	25	20
	32 (27)	35 (41)	48 (73)	30	25
5	41 (32)	45 (48)	62 (86)	40	30
	52 (41)	57 (62)	78 (111)	50	40

Frame ¹	600V AC Input					690V AC Input				
	Output Amps ²			Normal Duty Hp	Heavy Duty Hp	Output Amps ²			Normal Duty kW	Heavy Duty kW
	Cont.	1 Min.	3 Sec.			Cont.	1 Min.	3 Sec.		
6	12 (9.1)	13.2 (13.7)	18 (18)	10	7.5	12 (9)	13.2 (13.5)	18 (18)	7.5	5.5
	18 (11.1)	19.8 (16.7)	27 (27)	15	10	15 (11.5)	16.5 (17.3)	22.5 (22.5)	11	7.5
	23 (18)	25.3 (27)	34.5 (34.5)	20	15	20 (15)	22 (22.5)	30 (30)	15	11
	24 (22)	26.4 (33)	36 (39.6)	20	20	23 (20)	25.3 (30)	34.5 (36)	18.5	15
	28 (23)	30.8 (34.5)	42 (42)	25	20	30 (23)	33 (34.5)	45 (45)	22	18.5
	33 (28)	36.3 (42)	49.5 (50.4)	30	25	34 (30)	37.4 (45)	51 (54)	30	22
	42 (33)	46.2 (49.5)	63 (63)	40	30	46 (34)	50.6 (51)	69 (69)	37	30
	53 (42)	58.3 (63)	79.5 (79.5)	50	40	50 (46)	55 (69)	75 (82.8)	45	37
	63 (52)	69.3 (78)	94.5 (94.5)	60	50	61 (50)	67.1 (75)	91.5 (91.5)	55	45
	77 (63)	84.7 (94.5)	116 (116)	75	60	82 (61)	90.2 (91.5)	123 (123)	75	55
	99 (77)	109 (116)	149 (149)	100	75	98 (82)	108 (123)	147 (148)	90	75
	125 (99)	138 (149)	188 (188)	125	100	119 (98)	131 (147)	179 (179)	110	90
	144 (125)	158 (188)	216 (225)	150	125	142 (119)	156 (179)	213 (214)	132	110
7	192 (144)	211 (216)	288 (288)	200	150	171 (142)	188 (213)	257 (257)	160	132
	242 (192)	266 (288)	363 (363)	250	200	212 (171)	233 (257)	318 (318)	200	160
	289 (242)	318 (318)	434 (436)	300	250	263 (212)	289 (289)	395 (395)	250	200

¹ Frame ratings based on open type cabinet mount enclosures.

² These drives have dual current ratings; one for normal duty applications, and one for heavy duty applications (in parenthesis). The drive may be operated at either rating.

PowerFlex 755 Floor Mount Drives*

380...400V AC, Three-phase and 540V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			kW	Output Amps			kW	Output Amps			kW
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	540	594	NA	315	460	506	693	250	385	578	693	200
	585	644		315	540	594	821	315	456	684	821	250
	612	673		355	567	624	851	315	472	708	851	250
	750	825		400	650	715	975	355	540	810	975	315
	796	876		450	750	825	1125	400	585	878	1125	315
	832	915		450	770	847	1155	400	642	963	1155	355
9	1040	1144		560	910	1001	1365	500	750	1125	1365	400
	1090	1199		630	1040	1144	1584	560	880	1320	1584	500
	1175	1293		710	1090	1199	1638	630	910	1365	1638	500
	1465	1612		800	1175	1293	1872	710	1040	1560	1872	560
	1480	1628		850	1465	1612	2198	800	1090	1635	2198	630
	1600	1760		900	1480	1628	2220	850	1175	1763	2220	710
10	1715	1887	1000	1590	1749	2385	900	1325	1988	2385	710	
	2330	2563	1400	2150	2365	3225	1250	1800	2700	3225	1000	

480V AC, Three-phase and 650V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			Hp	Output Amps			Hp	Output Amps			Hp
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	485	534	NA	400	430	473	666	350	370	555	666	300
	545	600		450	485	534	745	400	414	621	745	350
	590	649		500	545	600	818	450	454	681	818	350
	710	781		600	617	679	926	500	485	728	926	400
	765	842		650	710	781	1065	600	545	818	1065	450
	800	880		700	740	817	1110	650	617	926	1110	500
9	960	1056		800	800	880	1278	700	710	1065	1278	600
	1045	1150		900	960	1056	1440	800	795	1193	1440	700
	1135	1249		1000	1045	1150	1568	900	800	1200	1568	750
	1365	1502		1100	1135	1249	1728	1000	960	1440	1728	800
	1420	1562		1250	1365	1502	2048	1100	1045	1568	2048	900
	1540	1694		1350	1420	1562	2130	1250	1135	1703	2130	1000
10	1655	1821	1500	1525	1678	2288	1350	1270	1905	2288	1100	
	2240	2464	2000	2070	2277	3105	1750	1730	2595	3105	1650	

600V AC, Three-phase and 725V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			Hp	Output Amps			Hp	Output Amps			Hp
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	355	391	NA	350	295	325	490	300	272	408	490	250
	395	435		400	355	391	533	350	295	443	533	300
	435	479		450	395	435	593	400	329	494	593	350
	460	506		500	435	479	639	450	355	533	639	350
	510	561		500	460	506	711	500	395	593	711	400
	545	600		550	510	561	765	500	425	638	765	450
9	690	759		700	595	655	918	600	510	765	918	500
	760	836		800	630	693	1071	700	595	893	1071	600
	835	919		900	760	836	1140	800	630	945	1140	700
	900	990		950	825	908	1260	900	700	1050	1260	750
	980	1078		1000	900	990	1368	950	760	1140	1368	800
	1045	1150		1100	980	1078	1470	1000	815	1223	1470	900
10	1220	1342	1200	1110	1221	1665	1100	920	1380	1665	1000	
	1530	1683	1500	1430	1573	2145	1400	1190	1785	2145	1250	

* A Roll-out Cart is required with Frame 8...10 drives to assist with power wiring and cabinet mounting.

PowerFlex 755 Floor Mount Drives*

690V AC, Three-phase and 932V DC Input Drives

Frame Size	Light Duty				Normal Duty				Heavy Duty			
	Output Amps			kW	Output Amps			kW	Output Amps			kW
	Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.		Cont.	1 Min.	3 Sec.	
8	330	363	NA	315	265	292	375	250	215	323	375	200
	370	407		355	330	363	473	315	265	398	473	250
	410	451		400	370	407	555	355	308	462	555	300
	460	506		450	415	457	639	400	370	555	639	355
	500	550		500	460	506	675	450	375	563	675	375
	530	583		530	500	550	750	500	413	620	750	400
9	650	715	NA	630	590	649	885	560	460	690	885	450
	710	781		710	650	715	975	630	500	750	975	500
	790	869		800	710	781	1065	710	590	885	1065	560
	860	946		850	765	842	1170	750	650	975	1170	630
	960	1056		900	795	875	1350	800	750	1125	1350	710
	1020	1122		1000	960	1056	1440	900	795	1193	1440	800
10	1150	1265	NA	1100	1040	1144	1560	1000	865	1298	1560	900
	1485	1634		1500	1400	1540	2100	1400	1160	1740	2100	1120

* A Roll-out Cart is required with Frame 8...10 drives to assist with power wiring and cabinet mounting.

Dimensions for PowerFlex 755 with IP00/IP20 Ratings***

Approximate Dimensions Millimeters (Inches)			
Frame	Height	Width	Depth
1	400.50 (15.77)	110 (4.33)	211 (8.31)
2	424.20 (16.7)	134.50 (5.30)	212 (8.35)
3	454 (17.87)	190 (7.48)	212 (8.35)
4	474 (18.66)	222 (8.74)	212 (8.35)
5	550 (21.65)	270 (10.63)	212 (8.35)
6	665.50 (26.20)	308 (12.13)	346.40 (13.64)
7	881.50 (34.70)	430 (16.93)	350 (13.78)
8	2453 (88.36)	600 (23.6)	600 (23.6)**
8	2453 (96.60)	600 (23.6)	800 (31.50)**
9	2453 (96.60)	1200 (47.20)	600 (23.6)**
9	2453 (96.60)	1200 (47.20)	800 (31.50)**
10	2453 (96.60)	1800 (70.90)	600 (23.60)**
10	2453 (96.60)	1800 (70.90)	800 (31.50)**

** Available in 600 mm and 800 mm depths to provide options based on cable entry and exit requirements. See publication PFLEX-SG002 or 750-TD001 for selection information.

***IP00 for frames 6 and 7

Energy Savings Calculators

See how installing a PowerFlex drive for your fan or pump applications can reduce energy costs when compared with a traditional flow control method.

Download the tools at:
<http://www.rockwellenergycalc.com>



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