PowerFlex 750-Series Option Kits

Description		Frame(s)	Cat. No.
Auxiliary Power Supply	24V Aux Power Supply	1…7 (1)	20-750-APS
DC Bus Bar Option Kit	DC Bus Bars for 380…480V AC Drives	6	20-750-DCBB1-F6
		7	20-750-DCBB1-F7
	DC Bus Bars for 600…690V AC Drives	6	20-750-DCBB2-F6
		7	20-750-DCBB2-F7
DC Bus Connection Kit	Allows connection of the drive DC bus terminals to the bus rails at the back of the cabinet.	8…10	20-750-BUS1A-F8
EMC Option Kit	EMC Plate with Core for 380…480V AC drives	1	20-750-EMC1-F1
		2	20-750-EMC1-F2
		3	20-750-EMC1-F3
	EMC Plate with Core for 600…690V AC drives	3	20-750-EMC3-F3
	EMC Plate with Cores for 380…480V AC drives	4	20-750-EMC1-F4
		5	20-750-EMC1-F5
	EMC Plate with Cores for 600…690V AC drives	4	20-750-EMC3-F4
		5	20-750-EMC3-F5
	EMC Core for 380…480V AC drives	1	20-750-EMC2-F1
		2	20-750-EMC2-F2
		3	20-750-EMC2-F3
	EMC Core for 600…690V AC drives	3	20-750-EMC4-F3
	EMC Cores for 380…480V AC drives	4…5	20-750-EMC2-F45
	EMC Cores for 600…690V AC drives	4	20-750-EMC4-F4
		5	20-750-EMC4-F5
	EMC Plate with Cores for 600…690V AC drives	6	20-750-EMC4-F6
		7	20-750-EMC4-F7
	EMC Plate with Cores for 600…690V AC drives (IP54 Only)	6	20-750-EMC5-F6
		7	20-750-EMC5-F7
	EMC Core – Inverter-mounted output, for 380…690V AC Input and DC Input drives.	8…10	20-750-EMCCM1-F8
	EMC Core – Cabinet-mounted input, for 380…690V Common DC Input drives only.	8…10	20-750-CBPEMCCM1-F8
	EMC Core – Cabinet-mounted input, for 380…690V AC Input drives only.	8…10	20-750-EMCCM1-F9
	EMC Cores – Required when using the Safe Speed Monitor option 20-750-S1 with 380…690V drives.	8…10	20-750-EMCSSM1-F8
	Door Shielding Kit	10	20-750-EMCDK1-F10
Exhaust Hood	Exhaust Hood – IP20, NEMA/UL Type 1 drives	8	20-750-HOOD1-F8
Flange Adapter Kit	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 1 integrity backside. This kit is for use with IP20, NEMA/UL Type 0 drives and **will not provide** an air-tight or water-tight seal. Where sealing is required (e.g. contaminated, dirty or wet environments), a drive with an "F" enclosure option must be used.	2	20-750-FLNG1-F2
		3	20-750-FLNG1-F3
		4	20-750-FLNG1-F4
		5	20-750-FLNG1-F5
	Converts Open Type drive to external heatsink (flange) with NEMA/UL Type 4X/12 integrity backside.	6	20-750-FLNG4-F6
		7	20-750-FLNG4-F7

continued

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Title	Publication
PowerFlex 750-Series Drive Installation Instructions	750-IN001
PowerFlex 750-Series Programming Manual	750-PM001
Enhanced PowerFlex 7-Class Human Interface Module (HIM) User Manual	20HIM-UM001
PowerFlex 750-Series Safe Torque Off User Manual	750-UM002
Safe Speed Monitor Option Module for PowerFlex 750-Series AC Drives Reference Manual	750-RM001
PowerFlex 7-Class Network Communication Adapter User Manuals	750COM-UM
Dynamic Braking Resistor Calculator	PFLEX-AT001
Wiring and Grounding Guidelines for PWM AC Drives	DRIVES-IN001
Preventive Maintenance of Industrial Control and Drive System Equipment	DRIVES-TD001
Safety Guidelines for the Application, Installation and Maintenance of Solid State Control	SGI-1.1

You can view or download publications at http://www.rockwellautomation.com/literature/. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Product Overview

The PowerFlex 750-Series is a robust family of AC drives that provide ease of use, flexibility, and performance for a variety of industrial applications. The PowerFlex 753 provides general purpose control for applications ranging up to 350 Hp and 250 kW. The PowerFlex 755 provides maximum flexibility and performance ranging up to 2000 Hp and 1500 kW.

Maximize your productivity by taking advantage of the following key features offered in the PowerFlex 750-Series:

- **DeviceLogix**™ – Embedded control technology that supports the manipulation of discrete outputs and drive control functions, while using discrete inputs and drive status information onboard the drive.
- **Predictive Diagnostics** – Allows the drive to keep track of information that affects the life of its cooling fans and relay outputs. The drive can also be programmed to monitor the run time hours for machine or motor bearings.
- **Option Cards** – Each drive has a slot-based architecture. Supported hardware control options are common for both products, to help reduce your inventory and spare parts requirements.
- **Safe Torque-Off** and **Safe Speed Monitor** – provides a choice for safety levels depending on your application requirements.
- **Communications** – The PowerFlex 755 comes with a built-in Ethernet port. Ethernet can easily be added to the PowerFlex 753 with a communication module.

- **I/O** – option cards are available for additional analog and discrete I/O. The PowerFlex 753 comes with built-in I/O that can also be easily expanded with option cards.
- **Packaging** – Factory and field installable enclosure options are available to meet most environmental requirements: Open Type and Flange Mount options to support Cabinet Mount requirements, Extra Protection Wall Mount for harsh environments, and supporting debris hoods and conduit plate kits.
- **Standard Power Structure** – a common power structure is shared to provide the same physical footprint and power range.

PowerFlex 750-Series Drive Family

Frame 1…7
IP00/IP20, NEMA/UL Type Open Drive

includes:
- DC link choke
- Internal brake transistor standard on Frames 1…5 and optional on Frames 6…7

Frames 8…10
IP20, NEMA/UL Type 1 Drive
(2500 MCC Style Cabinet)

includes:
- DC link choke
- Integrated AC line fuses
- Roll-out design

Frames 8…10
IP20, NEMA/UL Type 1 Drive with Options
(2500 MCC Style Cabinet)

includes:
- DC link choke
- Integrated AC line fuses
- Roll-out design
- Option bay for control/protection devices

Roll-out Cart
- Required for Frame 8 and larger drives
- Adjustable Curb Height: 0…182 mm (0…7.2 in.)
- Adjustment for Curb Offset/Reach: 0…114 mm (0…4.5 in.)