

PowerFlex 4 and 40 AC Drives

Original Instructions



Topic	Page
Product Overview	2
Reference Materials	2
Packaging and Mounting	3
Start Up, Programming and Operation	3
Optimized Performance	4
Sensorless Vector Performance	4
Sensorless Vector Control	4
Performance	4
I/O	5
Communications	5
Versatile Programming and Network Solutions	6
PC Programming Software	6
Catalog Number Explanation	8
Product Selection	9
User Installed Options	10
Installation Considerations	14
Control Wiring	15
Specifications	19
Parameter Descriptions	22
Product Dimensions	25
PowerFlex 4 and 40 Configured Drives	32

Product Overview

Providing users with powerful motor speed control in a compact, space saving design, the Allen-Bradley® PowerFlex® 4 and 40 AC drives are the smallest and most cost-effective members of the PowerFlex® family of drives. Available in power ratings from 0.2 to 11 kW (0.25 to 15 HP) and in voltage classes of 120, 240, 480 and 600 volts, PowerFlex 4 and 40 are designed to meet global OEM and end-user demands for flexibility, space savings, ease of use and are cost-effective alternatives for speed control of applications such as machine tools, fans, pumps and conveyors and material handling systems



Reference Materials

For additional PowerFlex 4 and 40 data and general drive information, refer to the following publications:

Title	Publication	Online
PowerFlex 4 User Manual	22A-UM001	www.rockwellautomation.com/literature
PowerFlex 40 User Manual	22B-UM001	
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	SGL-1.1	

For other information, contact Allen-Bradley Drives Technical Support:

Title	Online
Allen-Bradley Drives Technical Support	www.ab.com/support/abdrives

Shaded areas are applicable to PowerFlex 40 only.