

# ALLEN-BRADLEY® DRIVES



## Reliable Performance. Cost-Effective Solutions

For almost any application you have, and any power requirement you need, you'll find the solution in the Allen-Bradley® PowerFlex® family of drives from Rockwell Automation. For motor control applications from low to medium voltage, and from simple to complex, the PowerFlex family of drives from 0.2 kW (0.25 Hp) to 25.4 MW (34000 Hp) offer world-class intelligent motor control solutions. PowerFlex drives offer a variety of motor control technologies, from Volts/Hertz Control for the simplest applications, to Vector Control with patented FORCE™ Technology, which provides excellent low speed/zero speed performance for both induction and permanent magnet motors.

Product Group	Image	Description	Specs
PowerFlex 4M		<ul style="list-style-type: none"> <li>• Applications include conveyors, pumps, agitators, mixers</li> <li>• Feed thru power wiring design allows for easy Across the Line starter to VFD migration</li> <li>• DSI communications and RS485 built-in. Add on communication modules via 20Comm-X for Ethernet, ControlNet, DeviceNet and more</li> <li>• Add-on profiles available for ease of integration into Logix platform</li> <li>• 150% overload capability</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 115V, 230V, 460V</li> <li>• Hp ratings - .25 - 15</li> </ul>
PowerFlex 4		<ul style="list-style-type: none"> <li>• Applications include conveyors, pumps, agitators, mixers</li> <li>• Smallest footprint in this micro-drive design.</li> <li>• DSI communications and RS485 built-in. Add on communication modules via 20Comm-X for Ethernet, ControlNet, DeviceNet and more</li> <li>• Add-on profiles available for ease of integration into Logix platform</li> <li>• 150% overload capability</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 115V, 230V, 460V</li> <li>• Hp ratings - .25 - 5</li> </ul>
PowerFlex 40		<ul style="list-style-type: none"> <li>• Applications include conveyors, mixers, agitators, pumps, fans</li> <li>• Compact designs up to 15Hp with embedded timer and counter functionality</li> <li>• DSI communications and RS485 built-in. Add communication modules under front cover include Ethernet, DeviceNet, ControlNet and more</li> <li>• Add-on profiles available for ease of integration into Logix platform</li> <li>• 150% overload capability. Available in NEMA 4X design. Safe Torque-Off capability available.</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 115V, 230V, 460V, 575V</li> <li>• Hp ratings - .5 - 15</li> </ul>
PowerFlex 400		<ul style="list-style-type: none"> <li>• For variable torque applications only - Centrifugal fans and pumps</li> <li>• Embedded HVAC functionality and communication protocols</li> <li>• DSI communications and RS485 standard. Built-in Siemens P1, Metasys N2 comm options. Add on communications include Lonworks, BACnet, Ethernet and more</li> <li>• 110% overload capability</li> <li>• Optional bypass, disconnects and cascade pump capabilities</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 230V, 460V</li> <li>• Hp ratings - 3 - 350</li> </ul>
PowerFlex 70 PowerFlex 700		<ul style="list-style-type: none"> <li>• Applications include winders, crushers, conveyors, hoists compressors, rolling mills</li> <li>• High performance V/Hz, Sensorless Vector and Flux Vector control options. Low harmonic options</li> <li>• DPI communications for ease of integration into almost any network configuration</li> <li>• Add on profiles provide ease of system integration into any Logix platform</li> <li>• Regulation schemes include tension, position, DC bus, regeneration and more</li> <li>• Safe Torque-Off capability available on PowerFlex 70 and 700S</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 230V, 460V, 575V</li> <li>• Hp ratings - .5 - 50</li> </ul>
PowerFlex 753 PowerFlex 755		<ul style="list-style-type: none"> <li>• Applications include winders, crushers, conveyors, hoists compressors, rolling mills</li> <li>• High performance V/Hz, Sensorless Vector and Flux Vector control options. Low harmonic options</li> <li>• CIP Motion capabilities</li> <li>• Flexible control pod can accept the following option boards - Safe Torque-Off, Safe Speed Monitor, Expanded I/O, Feedback boards and Communication Modules</li> <li>• Embedded Ethernet in the PF755, conformal coating of control boards, predictive diagnostics, DeviceLogix, RoHS compliance</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 230V, 460V, 575V</li> <li>• Hp ratings - 1 - 700</li> </ul>
ArmorStart On-Machine Drives		<ul style="list-style-type: none"> <li>• Applications include conveyors, mixers, agitators, pumps, fans for on-machine mounting</li> <li>• Compact designs up to 5Hp with disconnect, network connectivity and I/O</li> <li>• Speed and ease of installation with Power and Control connection cords.</li> <li>• 150% overload capability. Available in NEMA 4X design</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 230V, 460V</li> <li>• Hp ratings - .5 - 5</li> </ul>
PowerFlex 7000 Medium Voltage		<ul style="list-style-type: none"> <li>• Applications include pumps, ID fans, FD fans, blowers, compressors, conveyors, boiler feed pumps</li> <li>• Direct to Drive Transformerless design eliminates reflective wave, common mode voltages and harmonic distortion</li> <li>• Air-cooled solutions to 8,000Hp</li> <li>• DPI communications for ease of integration into any network protocol</li> <li>• Full line of Medium Voltage Starters, Soft Starts and Load Break Switches</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 2300V, 3300V, 4160V, 6600V</li> <li>• Hp ratings - 200 - 34,000</li> </ul>
PowerFlex DC		<ul style="list-style-type: none"> <li>• High performance DC Drive technology</li> <li>• Regenerative and non-regenerative capabilities</li> <li>• Current regulated field supplies at 150V and 300V, and up to 70A ratings</li> <li>• Stand alone regulators for modernizing any manufacturers obsolete designs up to 6,000Hp</li> <li>• DPI communications for ease of integration into any network protocol</li> </ul>	<ul style="list-style-type: none"> <li>• Voltage ratings - 230V, 460V, 575V, 690V</li> <li>• Hp ratings - 1.5 - 1,400</li> </ul>



For more information click  
on the product images above

