



New E3 series frame sizes!

IP20 Frame 5

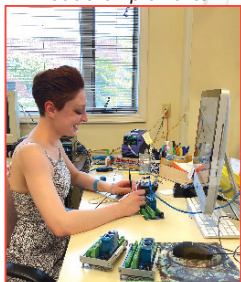
up to 25HP @230V
up to 50HP @460V

NEMA 4X (IP66) Frame 4

up to 15HP @230V or
up to 30HP @460V



Leadership smarts



Quality focus



Sweating the Details

The operation behind automation excellence

Innovation

From cutting-edge products to efficient procedures, we always look for new ideas and a better way.

Perseverance

We never give up the effort to be the very best in the automation business.

Vision

Planning well into the future and managing long term goals to ensure continuity of purpose that we can all buy into.

Investment

Pursuing the vision takes investment in development, inventory, tools, and above all, the team.

Know-how

Constant attention to training and skill building keeps everyone on top.



Stock up to 2000HP



Consistent Innovation



Dedicated support

Bardac Drives

40 Log Canoe Circle, Stevensville, MD 21666 USA (410) 604-3400 or US 1-888-667-7333 bardac.com driveweb.com

24/7, online ordering at AutomationThings.com

Bardac drives

SMART AUTOMATION

with unbeatable **drive.web** distributed control



Configure, connect, and control everything in one environment.

Utilizing peer-to-peer Ethernet technology, **drive.web** is completely internet accessible.

Distributed control ensures cost effective systems of any size or complexity.

savvy for all Systems!

The **savvyPanel** operator interface is available on our own **dw230** touch screens plus:

- iOS and Android
- PC, Mac, and Linux



More power per square inch!

Introducing the **dw250 smarty7**:

- 0.82 x 3.62 x 4.73 in (WxHxD) DIN rail mounting
- 16 analog and 16 digital I/O plus two selectable current inputs: 4-20mA, 0-20mA, 20-0mA
- Six frequency/event/digital inputs, 100kHz max.
- Seven frequency/stepper/digital outputs. 500kHz max.
- Two differential, incremental, quadrature encoder inputs with markers, ABZ.
- ModbusRTU Client (server optional)
- 100baseTX Ethernet
- Modbus TCP/IP Client & Server
- EIP/PCCC
- Dedicated CANopen device options available
- USB-C



40 Log Canoe Circle, Stevensville, MD 21666 USA (410) 604-3400 or US 1-888-667-7333 bardac.com driveweb.com

24/7, online ordering at AutomationThings.com

AC DRIVES



P2 Series * Closed Loop Vector

High performance systems drive for:
Process automation, Printing,
Machine tools, and Converting
up to 400HP
230, 460, & 600 volt builds
IP20 up to 150HP (50°C)
NEMA 4X (IP66) up to 30HP (40°C)
NEMA 12 (IP55) 15-400HP (40°C)
AC Induction & PM motor modes
Brake transistor, DC Bus sharing,
Safe Torque Off function, and
Modbus or CANopen port
Options: *drive.web* smarts,
extended I/O, Ethernet, Internet,
and USB.



E3 Series * General Purpose VFD

Precision Sensorless Vector for:
General purpose machine control,
Pumps, blowers, and Conveyors
IP20 up to 50HP
NEMA 4X (IP66) up to 40HP
110, 230, and 460 volts
1Ø & 3Ø builds
Motors: Induction, PM, BLDC, SynR
Industrial, Pump & Fan modes,
Quiet run, power loss ride through,
Spinstart, skip, Modbus, and braking



V3 ECO Series * Energy Efficient Variable Torque Drives

Fans & pumps, HVAC,
Water treatment, Building systems,
Climate control, Flow control, and
Swimming pools
IP20 up to 150 HP (50°C)
NEMA 4X (IP66) up to 30HP (40°C)
NEMA 12 (IP55) 15 - 400HP (40°C)
Pump Features:
Pump blockage (detect/clear/stir)
Preheat/anticondensation mode
Pump cascade control
Dry run protection
up to 400HP
230, 460, & 600 volt builds
>98% efficient
Low input harmonics
Low audible motor noise
Smart energy optimization
Intelligent maintenance intervals
Power loss ride through
ModbusRTU, BACnet
Fan Features
Options: *drive.web* smart control, Internet access,
savvyPanel touch HMI, EIP, Modbus TCP, peer-to-peer Ethernet,
USB programming, IIoT ready, power disconnect
Motor options:
Standard Induction, PM AC, Brushless DC, or Synchronous Reluctance



NEMA 4X (IP66) * For Harsh Environments

E3, P2, and V3 Drives
Food processing, Mining,
Water treatment, and Agricultural
up to 30HP | 1Ø & 3Ø builds
110, 230, and 460 volts
Washdown, dust tight, Chemical
resistant, Spinstart, skip, Modbus &
braking, Quiet run, and power loss
ride through
NEMA 4X drives are available in
Outdoor Ratings!



E3 Series 1Ø VFD *

Variable torque drive, Pumps,
Fans & blowers, Fume extractors,
and Air flow control
up to 0.75HP (110V)
up to 1.5HP (230V)
NEMA 1 (IP20) & NEMA 4X (IP66)
Motors: Shaded Pole (SP) &
Perm Split Cap (PSC)
Pump & Fan control modes,
Innovative smart boost start

* Approvals: UL, C-UL, CE, C-Tick

DC DRIVES

PL Series DC drives with 2000+ HP capability

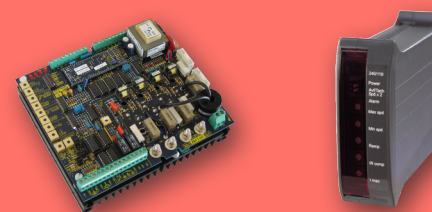


Standard Features

- Total digital control
- Basic peer-to-peer link
- 40 character backlit display
- Friendly, easy menu structure
- Modern, compact packaging
- Extensive, flexible, plug-in I/O
- RS232 serial port
- Full featured systems drives
- Easy configuration saving & cloning
- Built-in automatic field controller
- Built in programmable control functions for PID, winders, orientation, etc.
- Tach, encoder & arm volts feedback
- Easy reliable autotune

Options

- *powerDRIVES* with built in contactor, high speed fuses, etc.
- *drive.web* smarts
- Internet, Ethernet, Modbus, USB
- *savvyPanel touch* screens



Single Phase DC Drives up to 7.5HP

Regenerative & Non-Regenerative
110/230, 230/400, 230/460 volt units
Chassis & DIN rail mountable drives in compact
packages for both stand-alone and systems-
based applications
Features Include:
• Armature volts or tach feedback
• Accurate speed & torque control modes
Options: *drive.web* smarts, extended I/O,
Ethernet, Internet, *savvyPanel touch* HMI



Low Voltage DC Servos up to 12 amps

For small, high performance position and speed
control applications such as robotics, mechanical
handling, automated assembly, packaging
processes, machine tool axis, etc.
Easily interfaced to the *drive.web smarty* to
provide full featured multi-axis control functions
such as trapezoidal & cam motion with state
machine logic.