VACON X SERIES
FOR HARSH ENVIRONMENTS

VACON
DRIVEN BY DRIVES

THE TOUGHEST AC DRIVES ON THE PLANET

Vacon's new X series is a rugged family of variable speed AC drives, built and designed for harsh industrial environments. From simple applications to those requiring advanced communications, Vacon 5X, Vacon 50X and Vacon 500X offer an increasing level of performance and features for the industrial environment. Capabilities ranging from simple press-and-run keypad operation to a real-time clock, advanced PLC functions or a USB interface are available. The powers up to 75 kW are available in IP66 for the ultimate environmental protection.

Building on the brawn and success of Vacon's AC drives, the Vacon's X series raises the bar for general and special application AC drives. If you care about quality, full-fledged features and needing fewer things to worry about, invest in a real solution – the Vacon X series. The Vacon X series is ideally configured for any industrial application where data collection, flexible interfacing, and automatic sequencing operation are a priority.

In the Vacon tradition, the tough enclosure of the Vacon X series shields the advanced capabilities from hostile environments. Add in the real-time clock functionality, advanced process control features, and USB versatility, the Vacon X series raises the standard established by Vacon for advanced AC drive applications.

The Vacon 5X, Vacon 50X and Vacon 500X ranges are available for powers from 0.37 kW to 132 kW at voltages of 110, 220, 400–500 and 600 VAC.

Vacon 5X – the simple drive

- Power range from 0.37 to 7.5 kW
- Fast setup, factory default settings for most applications; only 14 basic parameters need to be set
- A maximum of 40 parameters
- Conduit cable entry
- Small mechanical size
- Optional integral main switch
- Switched models feature front panel speed potentiometer, Forward and Reverse switch and Mains disconnect
- Tough IP55 enclosure for industrial applications
- Easy-to-use keypad with bright LED display
- Memory stick plug-in for data storage and drive reflashing
- EMC, industrial level – category C3 available

Vacon 50X – the easy-to-use drive

- Power range from 0.75 to 132 kW
- Simple operation using standard Vacon X range programming
- Multi-language display – no codes to learn
- Wireless programming using PDA-trAC+® from your Pocket PC
- Application macros to take the hassle out of getting started

Most versatile

- Dual power ratings adapt to all applications
- Operate from keypad, remote signals, computers or any combination
- Mount it where you use it
- Arctic mode – maintain safe operating temperature in cold locations
- Built-in, 9-step PLC functionality
- EMC, industrial level – category C3 available

Toughest packaging

- Standard IP66 enclosure up to 75 kW, IP55 for larger drives
- Suitable for normal high-pressure washdown applications – 70 bar from 15 cm
- Rugged covers designed to withstand tough environments
- Double labyrinth seal to keep dust, dirt, oil and water from entering the enclosure

Vacon 500X – the powerful drive

- Power range from 0.75 to 132 kW
- The same tough packaging characteristics as in the Vacon 50X
- Simple operation using standard Vacon X range programming
- Enhanced keypad design utilizes color-coded buttons and easy-to-read display
- All PC boards are conformal coated for additional protection from contamination

Smart design

- Real-time clock – time-of-day functionality
- Data capture, event logs, reminder warnings
- Advanced program sequencer (25 steps) function (built-in PLC)
- Standard USB port – memory stick plug-in for data storage and drive reflashing
- System-level drive features for precise control and flexibility

Advanced process control options

- 115 VAC control interface
- Encoder feedback
- Communication protocols
  - Ethernet IP
  - DeviceNet
  - ModBus TCP (includes Web page)
- EMC, industrial level – category C3 available

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