

VACON® X5 HazLo

Your new solution in a class of its own



The new VACON® X5 HazLo® AC Drive's unique design provides your application solution in a compact, cost effective patent designed unit. This drive has been certified for Division 2 hazardous locations, suitable for petroleum refineries, gasoline storage and dispensing areas as well as utility gas plants.

In a class of its own, the VACON® X5 HazLo® drive has a robust design with safety yellow colored metal covers to protect against bumps and misuse or full stainless steel enclosure. Because there is not an additional box needed to place the drive in, cooling concerns are not an issue. This allows for even greater mounting flexibility without having to

spend more money in installation costs. The VACON® X5 HazLo® is available in frame size T3 and T4 for applications ranging from 40 to 100 HP.

Continuing to be the toughest AC drives on the planet, VACON® X Series Drives are designed for the real world - a world that is not gentle or forgiving to electronic devices. They have been designed to keep driving in harsh environments and are built from the ground up to survive tough conditions and still be simple to use.

VACON® X5 HazLo® approved hazardous locations

Classes	Groups	Division 2
I: Gasses, vapors and liquids	A: Acetylene B: Hydrogen, etc. C: Ether, etc. D: Hydrocarbons, fuels, solvents, etc.	Not normally present in an explosive concentration (but may accidentally exist)
II: Dusts	F: Carbon dusts (some are conductive and all are explosive) G: Flour, starch, grain, combustible plastic or chemical	Dust not normally suspended in an ignitable concentration (but may accidentally exist). Dust layers are present.
III: Fibers and flyings	Textiles, wood-working, etc. (easily ignitable, but not likely to be explosive)	Stored or handled in storage (exclusive of manufacturing)

Source: OSHA.gov

Class 2, Div 2 and Class 3, Div 2 hazardous locations approvals are pending

WARNING: VACON® X5 HazLo® should only be applied in approved hazardous locations. Check the User Manual for specific classifications.

VACON® X5 HazLo® AC Drive Applications

VACON® X5 HazLo® AC Drives are ideal for a variety of applications such as:

- Petroleum refineries, and gasoline storage and dispensing areas.
- Dry cleaning plants where vapors from cleaning fluids can be present.
- Spray finishing areas.
- Aircraft hangars and fuel servicing areas.
- Utility gas plants and operations involving storage and handling of liquefied petroleum gas or natural gas.
- Water and wastewater facilities.

Applications in Class 2 and Class 3, Div 2 locations:

- Grain elevators; flour and feed mills.
- Producers of plastics, medicines and fireworks.
- Producers of starch or candies.
- Spice-grinding plants, sugar plants and cocoa plants.
- Coal preparation plants and other carbon handling or processing areas.
- Textile mills, cotton gins; cotton seed mills, flax processing plants and plants that shape, pulverize or cut wood and create sawdust.

Source: OSHA.gov

VACON® X5 HazLo® AC Drive

Features	Description	Benefits
Robust Enclosure	UL Type 4X environmental ratings for Indoor/Outdoor certified enclosure. No derating needed. No purging needed.	<ul style="list-style-type: none"> • Compact size provides cost effective installation • No cooling concerns as an additional enclosure box is not needed
Integrated Brake Resistor	Includes a Brake resistor allowing it to better handle high inertial loads and warm up in cold conditions.	<ul style="list-style-type: none"> • Reduced Installation Costs • Mount in Low Temperatures
Built-in Sequencer	Features a built-in multi-step sequencer that can replace a small PLC in many applications.	<ul style="list-style-type: none"> • Reduced investment costs • Flexible application programming
UL and cUL Standards	UL- ANSI-ISA 12.12.01-2012, cUL- Canadian National Standard C22.2, No. 14.2010 and CAN/CSA CSS.2, No. 213-M 1987	

Safety Yellow	Stainless Steel	Voltage	HP	IL [A]	Dimensions [WxHxD]
VACONX5C40400X	VACONX5C40400Y	480	20*-40	52	11.25x20.19x11.73
VACONX5C40500X	VACONX5C40500Y	480	50	65	11.25x20.19x11.73
VACONX5C40600X	VACONX5C40600Y	480	60	77	12.84x29.35x13.8
VACONX5C40750X	VACONX5C40750Y	480	75	96	12.84x29.35x13.8
VACONX5C41000X	VACONX5C41000Y	480	100	124	12.84x29.35x13.8
VACONX5C50400X	VACONX5C50400Y	575	20*-40	41	11.25x20.19x11.73
VACONX5C50500X	VACONX5C50500Y	575	50	52	11.25x20.19x11.73
VACONX5C50600X	VACONX5C50600Y	575	60	62	12.84x29.35x13.8
VACONX5C50750X	VACONX5C50750Y	575	75	77	12.84x29.35x13.8
VACONX5C51000X	VACONX5C51000Y	575	100	99	12.84x29.35x13.8

*VACONX5C40400_ and VACONX5C50400_ can be used for applications down to 20HP.

Option Cards	Description
XSOPT01X	115 Vac and Encoder Feedback Option Card
XSEIP01X	Ethernet IP Option Card
XSDNET01X	DeviceNet Option Card
XSMBTCP01X	ModBus TCP/IP Option Card
XSPROFI01X	Profibus Option Card

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