

EX700 Series Heavy Duty - VFD

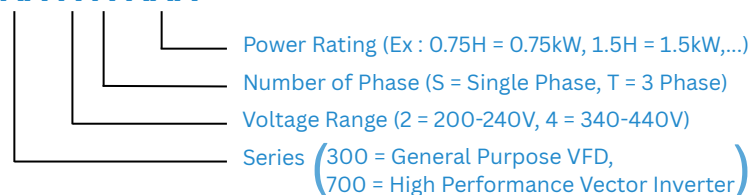


- Endox EX700 is a high-performance vector inverter designed for advanced industrial automation.
- Supports V/F, open-loop vector (SVC), and closed-loop vector (FVC) control for precise and flexible motor control.
- Delivers high starting torque and excellent speed regulation for demanding applications.
- Equipped with built-in RS485 communication for seamless integration with automation systems.
- Includes regenerative braking capability for improved efficiency and faster deceleration.
- Provides advanced protection functions to ensure reliability in heavy-duty environments.
- Ideal for applications requiring strong torque, high starting power, and precise speed control.



VFD Model Selection

EX-XXX-X-X-XXX



- Example : **EX-700-4T-7.5H** indicates that the VFD is High Performance Vector Inverter having 7.5kW of power rating with power supply unit of 340-440VAC 3-Phase.

Application

- Heavy-duty industrial systems such as large pumps, blowers, and compressors.
- Automation lines in metallurgy, chemical, and power-material industries requiring precise speed and torque control.
- Applications requiring regenerative braking, including hoists, cranes, and lifting systems.
- Systems needing PLC or SCADA integration via RS485 or other communication interfaces for closed-loop feedback control.

	Parameters	Description
Basic Functions	Frequency	Low frequency mode: 0.00Hz~500.00Hz.High frequency mode: 0.0Hz-3200.0Hz
	Carrier Frequency	0.8-16KHz
	Frequency Setting Resolution	Analog setting: 0.025% of the highest frequency, Digital setting: 0.01Hz
	Control Modes	V/F control, open-loop vector control (SVC), closed-loop vector control (FVC)
	Speed Stability	±0.5% of maximum speed (SVC): ±0.02% of maximum speed (FVC)
	Overload Capacity	110% continuous; 150% for 1 minute
	V/F Curves	Linear, Multi-point, V/F Separation, and V/F Semi-separation, a total of 4 types
	Acceleration Curve	Linear or S-curve Acceleration/Deceleration modes; 4 acceleration and deceleration times, ranging from 0.1s to 6500.0s
	DC Braking	DC braking frequency: 0.00Hz to maximum frequency, DC braking current: 0.0% to 100.0%, DC braking time: 0.0s to 100.0s
	Jog Control	Jog frequency range: 0.00Hz to maximum frequency, Jog acceleration/deceleration time: 0.1s to 6500.0s
	Simple PLC and Multi-segment Speed Running	Built-in PLC function with support for up to 10 segments of speed running
	Build-in PID	Capable of implementing closed-loop control system for process control
	Motor Parameter Identification	Static or rotational identification
	Overvoltage, Overcurrent, and Stall Control	Automatically limits current and voltage to prevent frequent overcurrent, overvoltage, and trips
	Wave-by-wave Current Limiting Function	Minimizes overcurrent faults and protects the inverter for normal operation
	Communication Function	Standard RS485 communication interface
Braking Function	Available	
Special Functions	Outstanding Performance	SVC open-loop vector control. strong low-frequency loaded capability
	PID Control	Built-in PID controller
	Automatic Voltage Regulation (AVR)	Select voltage regulation or non-voltage regulation control as needed
	Low Noise Operation	Carrier frequency continuously adjustable from 0.8 to 16KHz.
	Operating Functions	Upper and lower frequency setting, frequency hopping operation, reverse operation limitation, frequency increment and decrement control, fault auto-recovery operation, and more.



Endox 700 Series - Heavy Duty VFD

Models and Specifications						
Models	Input Voltage	Power (KW)	Output Current (A)	Adaptive Motor (HP)	Dimension L×W×H (mm)	Mounting size L×W - Mounting Hole (mm)
EX700-4T-0.75H	Three-phase AC 340V-440V 50Hz/60Hz	0.75	2.1	1.0	166X109X146	99X154-4.5
EX700-4T-1.5H		1.5	3.8	2.0		
EX700-4T-2.2H		2.2	5.1	3.0		
EX700-4T-4.0H		4.0	9	5.0	215X131X174	119X201-5.5
EX700-4T-5.5H		5.5	13	7.5	249X143X181	130X237-5.5
EX700-4T-7.5H		7.5	17	10		
EX700-4T-11H		11	25	15	408X288X209	264X388-7
EX700-4T-15H		15	32	20		
EX700-4T-18.5H		18.5	37	25		
EX700-4T-22H		22	45	30	510X320X248	235X485-8.5
EX700-4T-30H		30	60	40		
EX700-4T-37H		37	75	50	655X377X267	240X635.5-8.5
EX700-4T-45H		45	90	60		
EX700-4T-55H		55	110	75		
EX700-4T-75H		75	152	100	655X377X267	240X635.5-8.5
EX700-4T-90H		90	176	120		
EX700-4T-110H		110	210	150		