

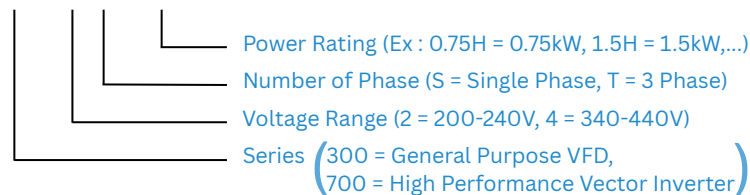


- Endox EX300 is a general-purpose VFD designed for versatile industrial applications.
- Supports V/F control and open-loop vector control for stable and precise speed regulation.
- Built with a sealed cooling duct for enhanced durability in dusty or harsh environments.
- Provides multiple protections including overload, phase loss, and over-temperature.
- Delivers cost-effective energy savings with efficient motor control performance.
- Open-loop economical vector inverter suitable for standard industrial needs.
- Ideal for light- to medium-duty applications across various industries.
- Does not support closed-loop control (operates only in open-loop mode).



VFD Model Selection

EX-XXX-X-X-XXX



- Example : **EX-300-4T-7.5H** indicates that the VFD is general purpose VFD having 7.5kW of power rating with power supply unit of 340-440VAC 3-Phase.

Application

- Controlling pumps, fans, and general conveyor motors in manufacturing plants.
- Used in printing, packaging, and textile machinery for variable-speed motor control.
- Suitable for light-to-medium industrial machines where energy efficiency and simple vector control are sufficient.
- Ideal for machinery with moderate torque demands that require stable low-speed operation.

	Parameters	Description
Basic Functions	Frequency	0.00Hz-400.00Hz
	Carrier Frequency	2.0-16.0KHz
	Frequency Setting Resolution	Analog setting: 0.1% of the highest frequency. Digital setting: 0.01Hz
	Control Modes	V/F control, Open-loop vectro control
	Speed Stability	±0.5%
	Overload Capacity	115% for 6 minutes, 150% for 1 minute
	V/F Curves	Three modes: Linear, Quadratic, 1.5th power, 1.2nd power, User-defined V/F curve, V/F Separation
	Acceleration Curve	Linear mode
	DC Braking	DC brake start frequency: 0.00% upper limit frequency, Brake time: 0.0-60.0s, Brake current 0.0-100% of motor's rated current.
	Jog Control	Jog frequency range: 0.0Hz maximum frequency, Jog acceleration/deceleration time: 0.1-999.9s
	Simple PLC and Multi-segment Speed Running	Up to 7 segments of speed running
	Build-in PID	Capable of implementing closed-loop control system for process control
	Motor Parameter Identification	Static identification
	Overvoltage, Overcurrent, Stalling, and Over-Excitation Control	Automatically limits current and voltage during operation, preventing frequent overcurrent, overvoltage, and trips
	Torque Boost and Slip Compensation	Torque boost can be selected as automatic or manual, Slip compensation enhances low-speed loaded capacity and compensates for slip speed
	Communication Function	support main setting+PID
	Protection function	over current, over voltage, under voltage, over heat, over load, phase loss, earth leakage, output short circuit protection, etc
	Communication	RS485 communication
Braking Function	Yes	
Special Functions	Oscillation Suppression	Enables oscillation suppression to eliminate oscillations and prevent overcurrent in the inverter
	PID Control	Built-in PID controller for process control
	Swing Frequency Function	Outputs frequency, oscillating up and down around the set frequency, suitable for industries like textiles and chemical fibers
	Operating Functions	Upper and lower frequency setting, frequency hopping operation, reverse operation limitation, frequency increment and decrement control, fault auto-recovery operation, and



Endox 300 Series - 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 screws (mm)
EX300-2S-0.75H	Single-phase AC 200V-240V 50Hz/60Hz	0.75	3.8	1.0	170X79X127	160X60.5-M5
EX300-2S-1.5H		1.5	7.0	2.0		
EX300-2S-2.2H		2.2	9.0	3.0	187X86X144	173X68-M4
EX300-2S-3.0H		3.0	13	4.0	216X101X151	204X83.5-M4
EX300-2S-4.0H		4.0	15	5.0	237X111X168	221X93.5-M5
EX300-2S-5.5H		5.5	20	7.5		
EX300-4T-0.75H	Three-phase AC 340V-440V 50Hz/60Hz	0.75	2.1	1.0	170X79X127	160X60.5-M5
EX300-4T-1.5H		1.5	3.8	2.0		
EX300-4T-2.2H		2.2	5.1	3.0	187X86X144	173X68-M4
EX300-4T-3.0H		3.0	7.1	4.0	216X101X151	204X83.5-M4
EX300-4T-4.0H		4.0	9.0	5.0		
EX300-4T-5.5H		5.5	12.6	7.5	237X111X168	221X93.5-M5
EX300-4T-7.5H		7.5	16.1	10	249X143X172	237X130-M5
EX300-4T-11.0H		11.0	25.0	15		