

WDN700E Variable Frequency Drive

Superior vector performance and compact size

This product is ideal for driving fans, blowers, pumps, conveyors, production machines, rock crushers, mixers and grinders, either independently or tied to factory automation.

Featuring sensorless vector control technology and compact size, the WDN700E provides optimized performance for industrial and commercial equipment. In addition to being reliable, durable, and easy to maintain, the WDN700E is quiet and ROHS compliant. The WDN700E is UL, cUL Listed and CE Certified.



Quick Specs

- Capacity: 0.5 - 500 hp
- Output Frequency: 0.01 - 400 Hz
- Starting Current:
 - 60 sec. 150% overload, CT
 - 60 sec. 120% overload, VT



Responsive
Service & Technical Support



Quality Products
Competitive Pricing



In Stock Availability
Warehouses Nationwide



Fast Shipping
Same-Day Available

Product Features

- Advanced sensorless vector control
- Speed and torque control for energy savings
- Powerful torque boost function over torque limit
- Quick response to load change
- Independent acceleration / deceleration time settings
- Soft start / stop
- Built-in regenerative braking (under 30 hp)
- Restart after momentary power loss
- Precise PID control function
- Multi-relay output terminal
- Overvoltage suppression circuit

Common Applications

- Air Conditioning and Dust Collection Fans
- Cooling Towers
- Conveyors & Transport Machinery
- Factory Automation
- Pump Systems
- Textile Machines
- Washing Machines

Enclosed Drive Packages

WorldWide Electric offers the WDN700E as a standalone chassis mount unit or pre-installed in one of our complete enclosed NEMA 3R, NEMA 4, or NEMA 12 drive packages.



Accessories

- Advanced Remote LCD Keypad
- LED Remote Keypad Unit
- Cables (1.5/3 M)
- Operator Station
- Ethernet IP or Ethernet TCIP Communications

For more details, including full specifications, compliance, industry-ready drive packages, accessories and all available configurations, visit our website.

Model Number Selection

Motor Capacity (kW) and power source are visible in the model number. For example, WDN700E-220HF is a 22.0kW applicable motor capacity, 3-phase, 480 V WDN700E.



**The model code is determined by removing the decimal point from the Applicable Motor Capacity in kW. The last number of the model code represents the first number after the decimal. i.e. model code 220 represents 22.0kW or 004 represents 0.4kW.*

Available Models

hp	Model Code	Power Source	
0.5	004	SF: 1-Phase, 200 - 240 Vac Up to 3 hp, 022kW	
1	007		
2	015		
3	022		
5	037		
7.5	055		
10	075		
15	110		
20	150		
25	185		
30	220		
40	300		LF: 3-Phase, 200 - 240 Vac
50	370		HF: 3-Phase, 380 - 480 Vac
60	450		
75	550		
100	750		
125	900		
150	1100		
200	1320		
250	1600		
300	2200		
400	2800		
500	3500		



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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