

## WD200

The Wolong Group is a leader in drive technology that helps industry, utility, and mobility and home appliance customers to increase their performance while lowering environmental impact. The Wolong Group has 61 subsidiaries around the world and employs 18.000 people.

Developed by Wolong Group, WD200 is the new generation general-purpose AC drive designed by Wolong, featuring advanced motor control algorithms that support AC asynchronous motors and permanent magnet synchronous motors control. It has the advantages of high reliability, high performance, and strong expansion capability.

All models in the series adopt a high-power density narrow body design, saving space and enabling seamless integration into various system solutions. Additionally, custom products can be developed to meet specific industry requirements.

The WD200 Series AC Drive finds wide applications in industries such as blowers, water pumps, compressors, HVAC, etc.

Power Supply Voltage	Three-phase 380 V to 480 V -15% to 10%
Power Range	0.75 kW to 710 kW
Power Supply Frequency	50/60 Hz ±5%
Motor Types	Three-phase induction motor (IM), permanent magnet synchronous motor (PMSM)
Control Modes	V/F, open-loop vector control (SVC), closed-loop vector control (FVC), voltage-frequency separation mode
Speed Control Range	1:200 [SVC] 1:1000 [FVC]
Speed Accuracy	IM: ±0.5%/PMSM: ±0.1% [SVC] ±0.02% [FVC]
Torque Control Accuracy	IM: ±10%/PMSM: ±5% [SVC] IM: ±5%/PMSM: ±2.5% [FVC]
Starting Torque	0.5 Hz 150% [SVC] 0.0 Hz 200% [FVC]
Overload Capacity	G-Heavy duty: 150% rated current for 60s P-Light duty: 120% rated current for 60s
Output Frequency Range	0 ~ 599Hz
Analog Inputs	2 channels: AI1 (0-10V/4-20mA/0-20mA), AI2 (0-10V/4-20mA/0-20mA)

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Analog Outputs	2 channels: AO1 (0-10V/4-20mA/0-20mA), AO2 (0-10V/4-20mA/0-20mA) Note: Rack size 5 and below models have only 1 analog output (AO)
Digital Inputs	7 programmable digital inputs Maximum input frequency: 1 kHz Internal impedance: 4.4 KΩ Note: Rack size 5 and below models have only 5 programmable digital inputs
Digital Outputs	1 programmable logic output with open collector Internal power supply maximum current: 1.2 mA External power supply maximum current: 200 mA 1 high-speed pulse output Maximum frequency: 100 kHz
Relay Outputs	2 programmable relay outputs: TA1: Normally open (NO) contact TB1: Normally closed (NC) contact TC1: Common terminal TA2: Normally open (NO) contact TB2: Normally closed (NC) contact TC2: Common terminal Note: Rack size 5 and below models have only 1 relay output
Communication Interfaces	Modbus RTU communication: A+/B-/485G
Scalable Interfaces	EX-A: Scalable I/O expansion module, communication module, temperature expansion module. EX-B: Expandable speed feedback encoder module.

Product	Type	Note
Communication expansion card	WD-PN01A	Profinet communication card
	WD-DP01A	PROFIBUS-DP communication card
PG Card	WD-CAN01A	CANopen communication card
	WD-PG01A	ABZ PG card
IO Expansion Card	WD-PG02A	Resolver PG card
	WD-IO01A	IO expansion card
Keyboard and Display	WD-OP01A	LED display keypad
	WD-OP02A	LCD display keypad



## WD200 High-Performance Universal Frequency Converter (0.75-710 kW)



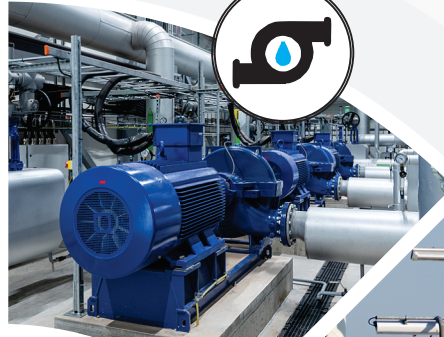
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# WD200

Blowers



Water pumps



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Textiles



Compressors



WD200  
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WD200  
Catalog



Injection  
molding



Food and  
Beverage Conveyor



Wood Processing



HVAC

