

NZS series AC VFD

NZS Series IP65 inverter



- Mounted directly on the motor or to the wall
- The NZS allows for use in outdoor applications and indoor environments where atmospheric moisture is present or low pressure water jets are used.

Power range

220V: 0.75 ~ 2.2 kW
380V: 0.75 ~ 11 kW

Technical specification

Item	specification	
Input	Rated voltage, Frequency	3 AC 380V / 220V; 50-60 Hz
	Voltage Range	380V: 330V~440V; 220V: 170-240V
Output	Voltage Range	380 V: 0~380 V; 220V: 0-220V
	Frequency Range	0.10~400.0 Hz
Control method		V/F control, Space vector control
Indication	Operating status/Alarm definition/interactive guidance; eg, frequency setting, the output frequency / current, DC bus voltage, the temperature and so on.	
Control Specification	Output Frequency range/Accuracy	0.10~400.00 Hz / 0.01 Hz.
	Frequency Setting Resolution	Digital input: 0.01 Hz. Analog input: 0.1% of maximum output frequency
	V/F Control	Setting V/F curve to satisfy various load requirements
	Torque Control	Auto increase:auto rise torque by loading condition; Manual increase:enable to set 0.0~20% of raising torque
	Multifunctional Input Terminal	8 multi-function input terminals, realizing functions including 15 section speed control, program running, 4-section acceleration/deceleration speed switch, UP/DOWN function and emergency stop and other functions
	Multifunctional Output Terminal	3 multi-function output terminals for displaying of running, zero speed, counter, external abnormality, program operation and other information and warnings 8 multifunctional output terminals, 1 inverter can control 4 circular variable frequency pumps
	Acceleration/deceleration Time Setting	0~6000 s acceleration/deceleration time can be set individually

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Other functions	PID Control	Built-in PID control
	MODBUS	Standard RS485 communication function
	Frequency Setting	Analog input 0~10V, 0~20mA, can be selected; Digital input: input using the setting dial of the operation panel or RS 485 or UP/DOWN
	Multi-speed	Eight multifunction input terminals, 15 section speed can be set
	Automatic voltage regulation	Automatic voltage regulation function can be selected
	Counter	Built-in 2 group of counters
	Overload	120%, 60second (variable torque)
	Over Voltage	Over voltage protection can be set
	Under Voltage	Under voltage protection can be set
	Other Protections	Overheat, output shortcircuit, over current, and parameter lock and so on.
Environment	Ambient Temperature	-10°C~40°C (non-freezing)
	Ambient Humidity	Max. 95% (non-condensing)
	Altitude	Lower than 1000m.
	Vibration	Max. 0.5 g
Structure	Cooling Mode	Below 3.7 kW no have fan; Above 5.5 kW Forced air cooling
	Protective Structure	IP 65

Applications

The main applications: water pump supply, compressor, fountain, machine tools, powder, ventilating equipment, drives used outdoors, so on.

