



ZONCN

INVERTER



H5000-BF Series

IP54/65 Waterproof VF Control Inverter



芜湖众辰自动化设备有限公司
Wuhu ZONCN Automation Equipment Co.,LTD.



H5000-BF Series IP65 Waterproof Inverter

- Mounted directly on the motor or to the wall ;
- Allow for heavy load equipment;
- Vector Control mode (Z5400A Series)
- Function: no water stop, timing, antifreeze, change pump when fault, water supply alarm, ect; IP65, allows to use in kinds of bad environment.
- Power range 220V: 0.75~2.2kW
380V: 0.75~30kW

Technical Specification

Model		H5000BF
Input	Rated voltage, Frequency	1PH/3PH AC 220V 50/60Hz; 3PH AC 380V 50/60 Hz
	Voltage Range	220V: 170~240V; 380V: 330V~440V
Output	Voltage Range	220V: 0~220V ; 380 V: 0~380 V
	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, rotating speed, fault and so on.
Control Specification	Output Frequency Range	0.10~400.00 Hz.
	Frequency Setting Resolution	Digital input: 0.01 Hz. Analog input:0,1% of maximum output frequency
	Output Frequency Accuracy	0.01 Hz.
	V/F Control	Setting V/F curve to satisfy various load requirements
	Torque Control	Auto increase: auto raise torque by loading condition; Manual increase: enable to set 0.0~20% of raising torque
	Multifunctional Input Terminal	4 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	1 multi-function output terminals for displaying of running, zero speed, counter, external abnormality, program operation and other information and warnings
	Acceleration/ deceleration Time Setting	0~999.9 s acceleration/deceleration time can be set individually
Other functions	PID Control	Built-in PID control
	RS485	Standard RS485 communication function (MODBUS)
	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	4 multi-function input terminals,15 section speed can be set
	Automatic voltage regulation	Automatic voltage regulation function can be selected
Protection Function	Counter	Built-in 2 group of counters
	Overload	150%, 60s (Constant torque); 120%,60s (variable torque)
	Over Voltage	Over voltage protection can be set
	Under Voltage	Under voltage protection can be set
Environment	Other Protections	Output short-circuit, over current, and parameter lock and so on.
	Ambient Temperature	-10°C~40°C(non-freezing)
	Ambient Humidity	Max. 95% (non-condensing)
	Altitude	Lower than 1000m.
Structure	Vibration	Max. 0.5 g
	Cooling Mode	Below 3.7 kW no have fan; Above 5.5 kW Forced air cooling
	Protective Structure	IP 65

H5000BF Series IP65 Waterproof Inverter

Specification

Model	Output Power (kW)	Capacity (KVA)	Output Current (A)	Overload Capacity (60s)(A)	Motor Equipped (kW)
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Input Voltage(V): 1PH AC220V±15%

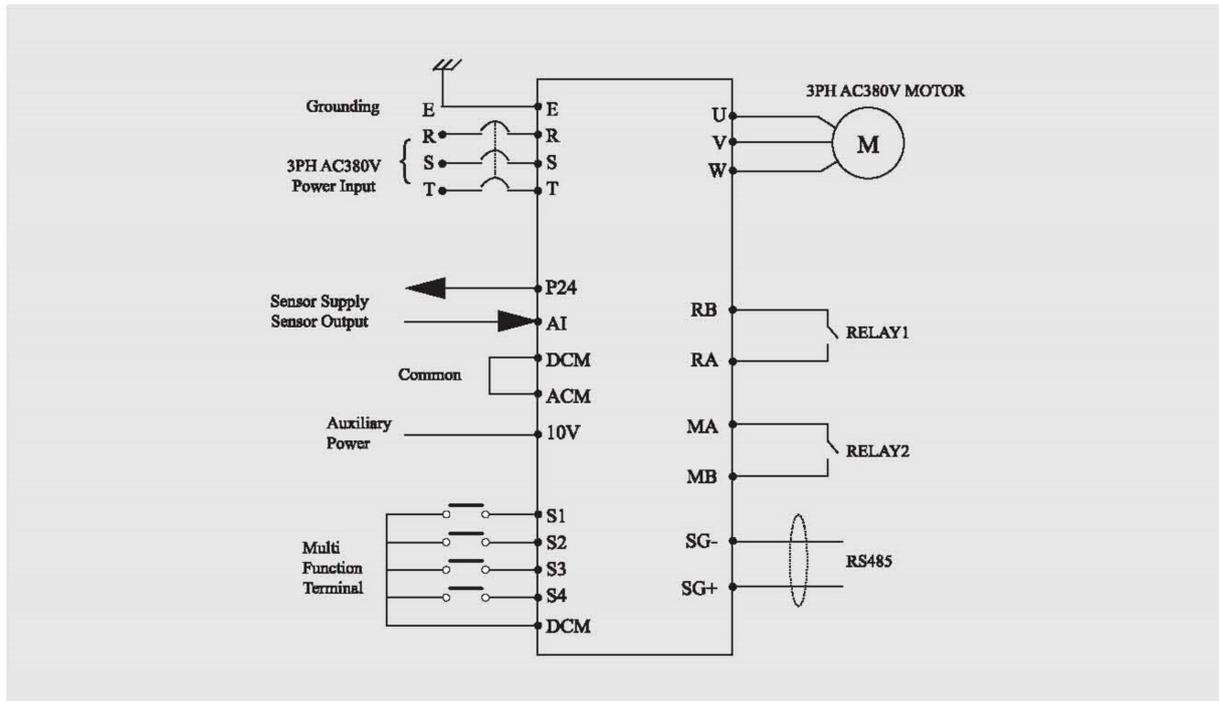
H5200P0D75K-BF	0.75	2	5	7.5	0.75
H5200P01D5K-BF	1.5	2.8	7	10.5	1.5
H5200P02D2K-BF	2.2	4.5	11	16.5	2.2

Input Voltage(V): 3PH AC380V±15%

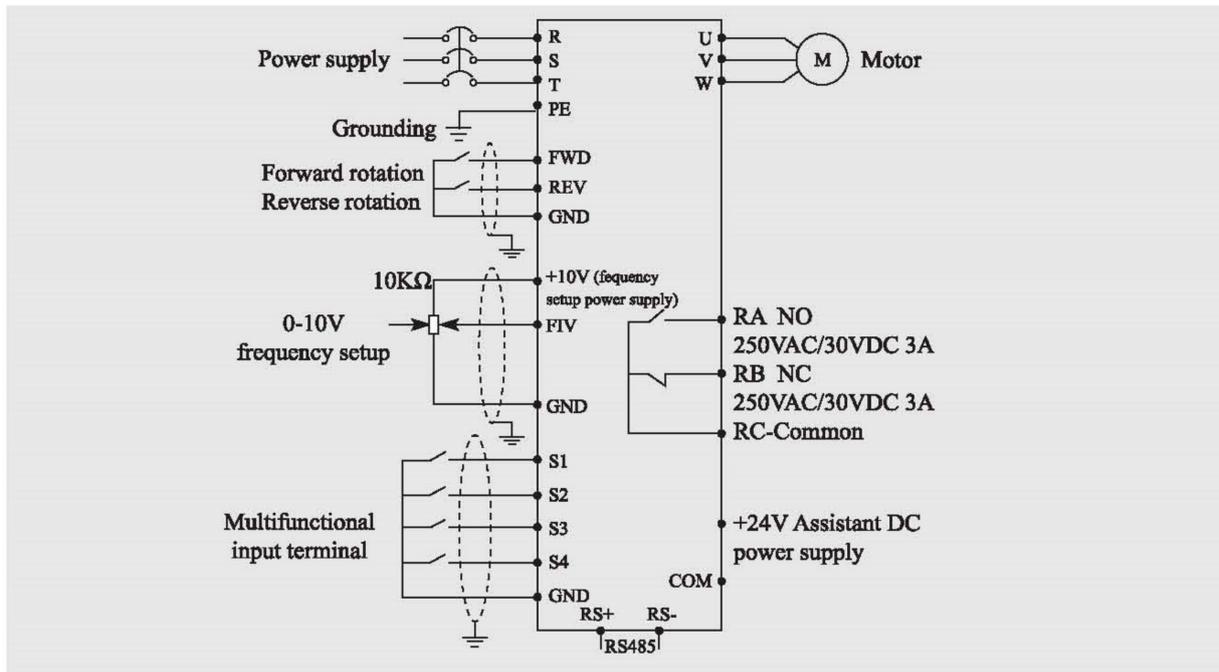
H5400P0D75K-BF	0.75	2.2	2.7	4.05	0.75
H5400P01D5K-BF	1.5	3.2	4	6	1.5
H5400P02D2K-BF	2.2	4	5	7.5	2.2
H5400P03D7K-BF	3.7	6.8	8.6	12.9	3.7
H5400P05D5K-BF	5.5	10	12.5	18.75	5.5
H5400P07D5K-BF	7.5	14	17.5	21	7.5
H5400P0011K-BF	11	19	24	36	11
H5400P0015K-BF	15	26	33	39.6	15
H5400P0018K-BF	18.5	32	40	48	18.5
H5400P0022K-BF	22	37	47	56.4	22
H5400P0030K-BF	30	52	65	78	30

Typical Wiring diagram

1. 1PH 220V Input /3PH 220V output



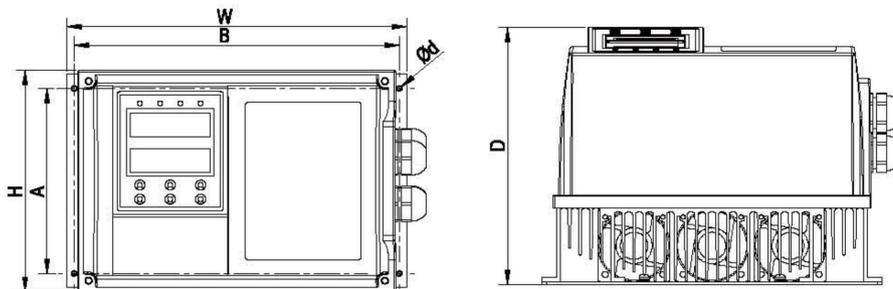
2. 3PH 380V input/3PH 380V output



Note: AI/FIV terminals can be used to select an analog voltage input (0-10V) and analog current input (4-20mA) through the switch SW1.

Dimension

Unit:mm



Model	Motor Equipped	Output Current	Outline Dimension (mm)			Assembly Dimension (mm)		
			W	H	D	A	B	Φd
H5200P0D75K-BF	0.75	5	188	122	134	105	178	M4
H5200P01D5K-BF	1.5	7						
H5200P02D2K-BF	2.2	11						
H5400P0D75K-BF	0.75	2.7	188	122	134	105	178	M4
H5400P01D5K-BF	1.5	4						
H5400P02D2K-BF	2.2	5						
H5400P03D7K-BF	3.7	8.6	235	154	179	129	225	M4
H5400P05D5K-BF	5.5	12.5						
H5400P07D5K-BF	7.5	17.5						
H5400P0011K-BF	11	24	192	280	178	200	180	M5.5
H5400P05D5K-BF-V	5.5	12.5						
H5400P07D5K-BF-V	7.5	17.5						
H5400P0011K-BF-V	11	24	192	280	178	200	180	M5.5
H5400P0015K-BF	15	33						
H5400P0018K-BF	18.5	40						
H5400P0022K-BF	22	47	236	300	204	250	225	M7
H5400P0030K-BF	30	65						



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