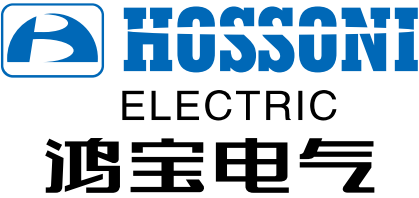
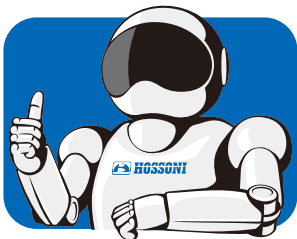


Main Technial Data

Item		Specifications
Standard functions	Maximum frequency	Vector control: 0-300 Hz V/F control: 0-3200 Hz
	Control mode	Sensor less flux vector control (SFVC) Closed-loop vector control (CLVC) Voltage/Frequency (V/F) control
	Startup torque	G type: 0.5 Hz/150% (SFVC); 0 Hz/180% (CLVC) P type: 0.5 Hz/100%
	Overload capacity	G type: 60s for 150% of the rated current, 3s for 180% of the rated current P type: 60s for 120% of the rated current, 3s for 150% of the rated current
	Torque boost	Fixed boost Customized boost 0.1%-30.0%
	DC braking	DC braking frequency: 0.00 Hz to maximum frequency Braking time: 0.0-36.0s Braking action current value: 0.0%-100.0%
	Onboard multiple preset speeds	It implements up to 16 speeds via the simple PLC function or combination of DI terminal states.
	Onboard PID	It realizes process-controlled closed loop control system easily.
	Auto voltage regulation (AVR)	It can keep constant output voltage automatically when the mains voltage changes.
	Overvoltage/Overcurrent stall control	The current and voltage are limited automatically during the running process so as to avoid frequent tripping due to Over-voltage/over-current.
	Torque limit and control	It can limit the torque automatically and prevent frequent over current tripping during the running process. Torque control can be implemented in the CLVC mode.
Individualized functions	Multi-motor switchover	Four motors can be switched over via four groups of motor parameters.
	Multiple communication protocols	It supports communication via Modbus-RTU, PROFIBUS-DP, CANlink and CANopen.
	Multiple encoder types.	It supports various encoders such as differential encoder, open-collector encoder, resolved and UVW encoder.
	User programmable function	The optional programming card helps you to realize secondary development. Its programming environment is compatible with that of the PLC of HONGBAO.
	Advanced background software	It supports the operation of AC drive parameters and virtual oscillate-graph function, via which the state inside the AC drive is monitored.
	High performance	Control of asynchronous motor and synchronous motor are implemented through the high-performance current vector control technology.
	Power dip ride through	The load feedback energy compensates the voltage reduction so that the AC drive can continue to run for a short time.
	Rapid current limit	It helps to avoid frequent over-current faults of the AC drive.
Display and operation on the panel	LED display	It displays the parameters.
	Protection mode	Motor short-circuit detection at power-on, input/ output phase loss protection, overcurrent protection, Overvoltage protection, under voltage protection, overheat protection and overload protection, Motor overheat protection
Environment	Installation location	Indoor, free from direct sunlight, dust, corrosive gas, combustible gas, oil smoke, vapor, drip or salt.
	Altitude	Lower than 1000 m
	Temp. and Humidity	Ambient temperature: -10°C to +40°C; Less than 95%RH, no condensation
	IP level	IP20
	Power distribution system	TN, TT

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FREQUENCY CONVERTER

Manufacture since 1998, rich experience Variable frequency drive (AC drive) from 0.4kw~315kw



Overview

The HB-H6 series AC drives is a general-purpose high-performance current vector control AC drive, can implement the control of asynchronous motor and permanent magnet synchronous motor. HB-H6 has good dynamic character istics and overload capacity with vector control technology and high torque output at low speed. It increases the user programmable function, background monitoring software and communication bus function, and supports multi-kind PG cards. It is used to drive various automation production equipment involving textile, paper-making, wiredrawing, machine tool, packing, food, fan and pump.

Features

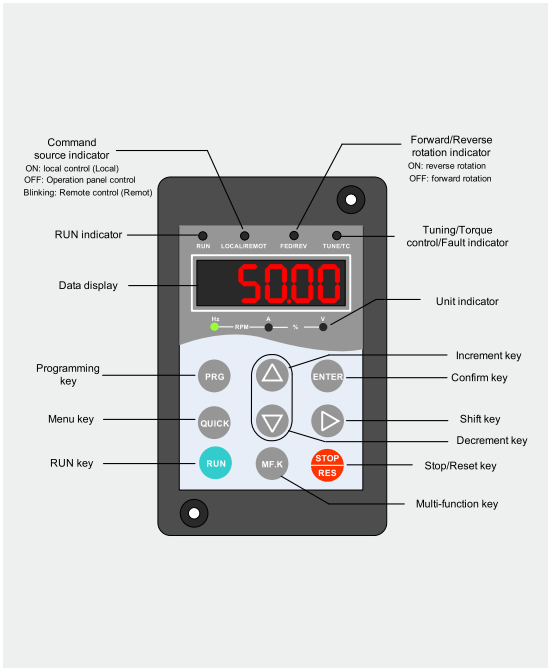
1. Support vector-controlled for multi-motor: asynchronism motor, synchronous motor

2. Support multiple types of encoder: differential encoder, open-collector encoder, UVW encoder, resolver

3. Sensorless flux vector control: output 150% rated torque at 0.5Hz when motor is locked-rotor; improve field adaptability, reduce susceptibility to motor, so it can be used for winding application, load distribution of several motor driving same load.

4. High starting torque: provide 150% startup torque at 0.5Hz (without sensor vector control) and provide 180% startup torque at 0.0Hz (with sensor vector control)

5. Quick response:
Torque response<20ms without sensor control;
Torque response<5ms with sensor vector control;

6. Torque limitation to protect motor: when torque command exceed the max. Torque of motor, the torque of motors are constrained by max. Torque with maximum efficiency and protect the device.
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HONGBAO GROUP



Hongbao Shanghai Jiadingbei Industrial Park

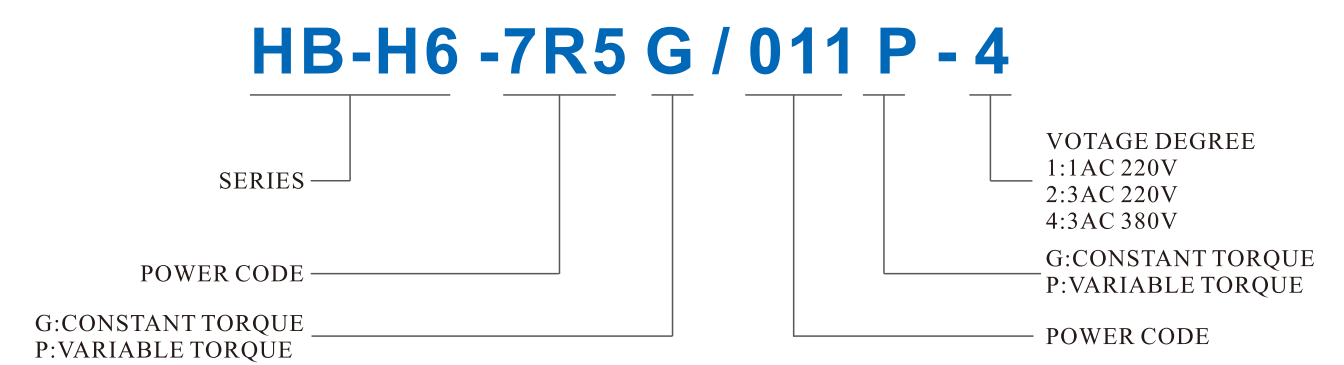


Hongbao Yueqing Original headquarters



Hongbao Wengyang Industrial Park

Definition of Model



Designation rules and nameplate of the product.

Single inlet (220V), three outlet (220V)

Specification	Power (kW)	Brake Unit	Support Motor		Packing Size (L*W*H) (cm)	G.W (kg)
			kW	HP		
HB-H6-0.4kW	0.4	/	0.4	0.55	20×13.5×17.5	2
HB-H6-0.75kW	0.75	/	0.75	1	20×13.5×17.5	2
HB-H6-1.5kW	1.5	/	1.5	2	25.5×16.5×19.5	2.5
HB-H6-2.2kW	2.2	/	2.2	3	25.5×16.5×19.5	2.5
HB-H6-3.7kW	3.7	/	3.7	5	/	/

Three inlet (380V), three outlet (380V)

Specification	Power (kW)	Brake Unit	Support Motor		Packing Size (L*W*H) (cm)	G.W (kg)
			kW	HP		
HB-H6-0.75kW	0.75	Yes	0.75	1	25.5×19×24.5	2.2
HB-H6-1.5kW	1.5	Yes	1.5	2	25.5×19×24.5	2.2
HB-H6-2.2kW	2.2	Yes	2.2	3	25.5×19×24.5	2.2
HB-H6-3.7kW	3.7	Yes	3.7	5	32.5×22.5×25	3.5
HB-H6-5.5kW	5.5	Yes	5.5	8	32.5×22.5×25	3.5
HB-H6-7.5kW	7.5	Yes	7.5	10	32.5×22.5×25	3.5
HB-H6-11kW	11	Yes	11	15	39.5×27.5×27	5.5
HB-H6-15kW	15	Yes	15	20	39.5×27.5×27	5.5
HB-H6-18.5kW	18.5	Yes	18.5	25	39.5×27.5×27	5.5
HB-H6-22kW	22	No	22	30	47.5×36×31	13
HB-H6-30kW	30	No	30	40	47.5×36×31	13.5
HB-H6-37kW	37	No	37	50	47.5×36×31	13.5
HB-H6-45kW	45	No	45	60	62×43×33	25
HB-H6-55kW	55	No	55	70	62×43×33	25
HB-H6-75kW	75	No	75	100	67×51×45.5	48
HB-H6-90kW	90	No	90	125	67×51×45.5	48
HB-H6-110kW	110	No	110	150	67×51×45.5	48
HB-H6-132kW	132	No	132	175	81×57×55	78
HB-H6-160kW	160	No	160	210	81×57×55	78
HB-H6-185kW	185	No	185	240	81×57×55	80
HB-H6-200kW	200	No	200	260	81×57×55	80
HB-H6-315kW	315	No	315	500	/	/

Note: Special specifications are available by custom-made, please feel free to contact us.