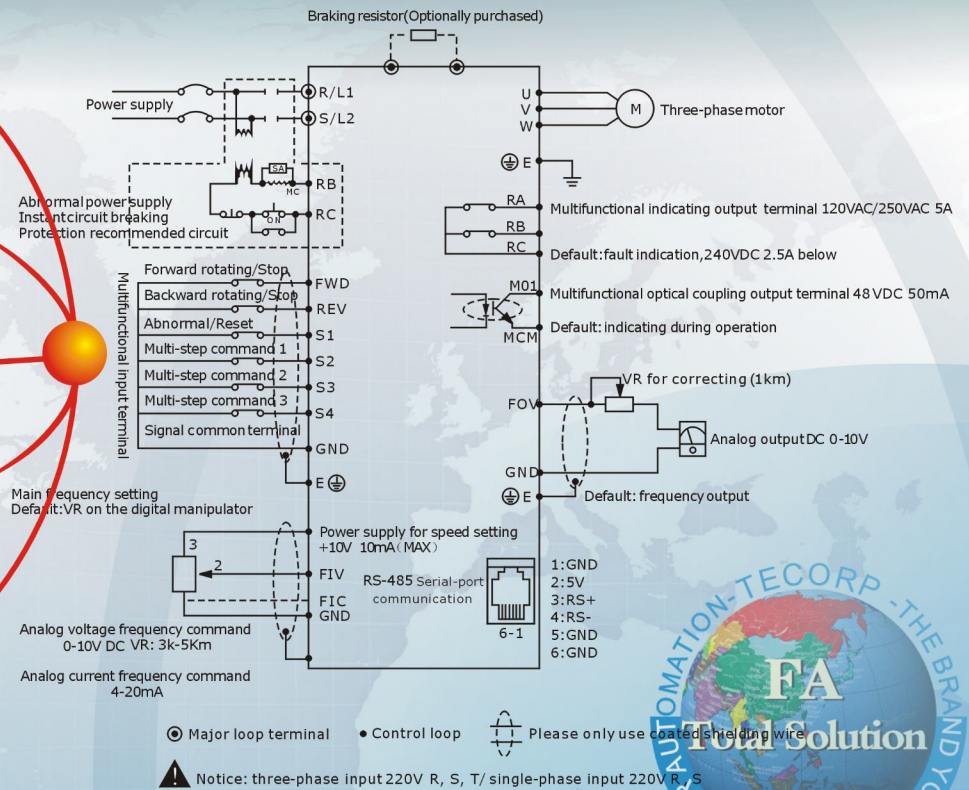


# HC1-C<sup>+</sup> AC MOTOR DRIVE

HC1-C<sup>+</sup> is a mini-type AC motor drive with a compact structure and a small cubage, and it can be conveniently operated and is suitable for various low-voltage devices.

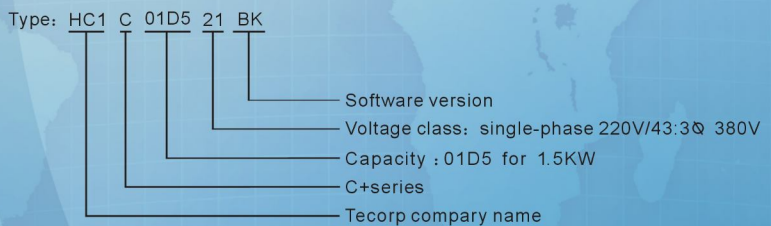
## Basic wiring diagram



TECORP-GROUP

MODEL:HC1C01D521BK  
 INPUT:1PH 220V 50Hz/60Hz  
 OUTPUT:3PH 220V 7A 150% 60S  
 FREQ RANGE:0.1-400Hz 1.5KW  
  
 HC201D5A0812001

## Model description



## External dimensions(unit: mm)



Type	L	W	H	L1	W1	Mounting hole diameter	Net weight (Kg)	GW (Kg)
HC1C00D421BK	141.5	85	113	130.5	74	5	0.82	1.0
HC1C0D7521BK								
HC1C01D521BK								
HC1-C0D7543BK	151	100	111.7	139.6	88.6	5.2	1.1	1.3
HC1-C01D543BK								
HC1-C02D243BK								

**TECORP-GROUP****Specification & Type**

Model	Input	Output power	Capacity	Out put current	Load capacity	Corres ponding motor
			KVA	(A)	(60s)(A)	KW
HC1C00D421BK	Single-phase 220V-50/60Hz	0.4	1.0	2.5	3.75	0.4
HC1C0D7521BK	Single-phase 220V-50/60Hz	0.75	2.0	5.0	7.5	0.75
HC1C01D521BK	Single-phase 220V-50/60Hz	1.5	2.8	7.0	10.5	1.5
HC1-C0D7543BK	Three-phase 380V 50/60Hz	0.75	2.2	2.7	4.05	0.75
HC1-C01D543BK	Three-phase 380V 50/60Hz	1.5	3.2	4.0	6.0	1.5
HC1-C02D243BK	Three-phase 380V 50/60Hz	2.2	4.0	5.0	7.5	2.2

**General Specification**

Item		Hc1-c <sup>+</sup>
Input	Rated voltage & frequency	Single-phase 220V 50/60Hz, Three phase 380V 50/60Hz
	Allowable voltage range	Single-phase 170-240V, Three-phase AC 330-440V
Output	Voltage	0-220V; 0-380V
	Frequency	0.1~400.0Hz
Control mode		Space vector, V/F control
Display		4 digital display & indicator display: Display set frequency, output frequency, output current, rotating direction, Rotating speed and fault, etc.
Control Specification	Frequency setting resolution	Digital setting: 0.1Hz, analogue setting: max 0.1% of output frequency
	Output frequency range	0.1-400.0Hz
	V/f control	V/f curve can be set to satisfy various requirements for load.
	Torque control	Auto increase according to the actual load; manual increase: 0.0~20.0%
	Multifunctional input	6 multifunctional input terminals for 15 speed control, programming operation, 4 speed accelerating or decelerating switch, UP/DOWN function and emergency stop, etc.
	Multifunctional output	2 multifunctional output terminals for external abnormal, null speed, programming operation at running, etc.
	Accelerating/decelerating time setting	0~999.9s set accelerating/decelerating time individually.
Other functions	Built-in PID control and 2 counter units, standard RS485 communication function and optional automatic voltage regulation Frequency setting mode: analogue 0~10V, 0~20mA, manual setting, RS485 setting and up/down setting, etc.	
Protection functions	Overload protection: 150% of constant torque for 1 minute, settable over-voltage/under-voltage protection; Other protections: overheat protection, short circuit protection, over current protection and parameter lock, etc.	
Working conditions	Environmental temperature: -10℃~40℃ (non-freezing) Altitude: more than 1000m	Relative humidity: more than 90% (non-condensing) Vibration: more than 0.5G
Structure	Cooling mode: forced air cooling	protection level: IP20
Installation	Wall-mounted	

**Operating directions:****▲ Suggestion for purchase**

Ac motor drive selected by the user shall be applied to speed-changing operation in common three-phase motor.

**▲ Precautions**

- It is necessary to consult our company when AC motor drive is installed in hazardous devices such as a nuclear device, an astronavigation device, transportation device or stabilizer, and so on.
- This product is manufactured with high quality control. But for the safety oriented, please ensure the safety facilities are installed nearby the place where AC Motor Drive is used.
- This product can not be used with non-common industrial three-phase motor.

**▲ Liability exemption**

- Our company will not be responsible for the mechanical damage, whatever AC Motor Drive is within or beyond the warranty period.

**TECORP-GROUP****TECORP TECHNOLOGY CO., LTD**

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