

VEICHI

AC70E Series

High Performance Mini Frequency Inverter





Shenzhen Veichi Electric Co., Ltd is a high-tech enterprise that is professionally engaged in the development, manufacturing and marketing of industrial automation control products, and committed to becoming a global leading provider of industrial automation control products and system solutions.

The company owns powerful R&D team, relatively perfect production system, independent intellectual property and manufacturing bases in Shenzhen and Suzhou. To improve our R&D strength, we keep on introducing advanced overseas technology and broadening our partnerships with first-class universities and research institutions.

The main products of Veichi Electric include a variety of Variable Frequency Drive(VFD), Servo Drive System, Photovoltaic Inverter, PLC, HMI, Automation Equipment, etc, which are widely used in industries such as oil&gas, chemical industry, ceramic, crane&hoist, metallurgy, electrical cable and wire, plastic, print and package, textile, metal work and cable, coal mining and municipal engineering. Suitable solutions and products are always ready to meet the demands and improve comprehensive competitiveness of users.

With the spirit of "Innovation is the lifeblood of Veichi", we're committed to becoming one of the leading providers of electric drives, industrial control and green energy products. Veichi has set up more than 40 brand offices in China and dozens of partners in Asia, Europe and Africa. Veichi has been named Chinese Electric Industry's Top Ten National Brands, Chinese Electric Industry Top Ten Satisfying Brands and Top Ten National Brands of Inverter Industry. Veichi products have become the first choice of many enterprises.

AC70E Series High Performance Mini Frequency Inverter

AC70E series inverter is a new generation of high-performance general-purpose inverter; the product has advanced control method to achieve high torque, high accuracy, high reliability and wide speed drive. Products built-in PLC, PID adjustment, programmable input and output terminals, RS485 interfaces, analog input and output, and other rich control functions. These functions provide highly integrated solutions for engineering and special industry automation applications.



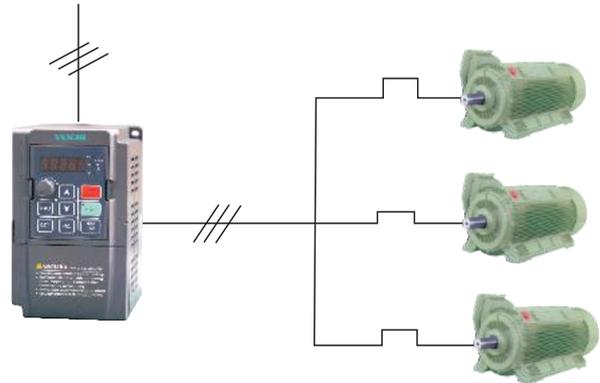
Mini design, compact and easy to install
High performance and reliability
Cost-effective

Features

Two drive control modes

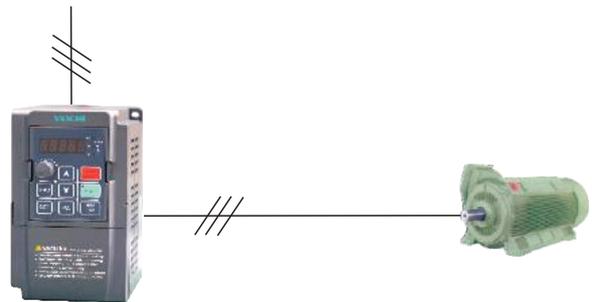
V / F control

The control mode is used in all variable speed control that does not require fast response speed and high-precision control and in situations where one inverter connecting multiple motors; and the mode can be used when the motor parameters are not clear or can not use the self-study.



Vector control without PG

This mode is used in all variable speed control, when the high-accuracy speed control is needed, please set to this mode, which has rapid torque response, and a large torque can be obtained in low speed running.



Best use: suitable for stamping machinery requiring instantaneous high torque and fast response current.

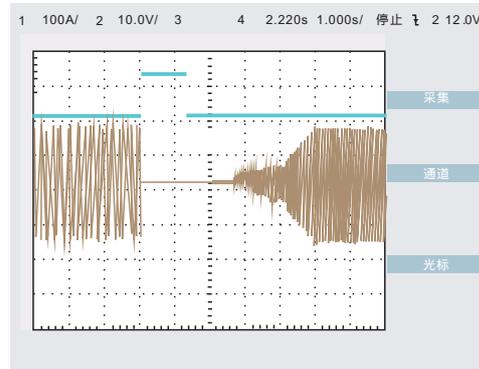
Rich self-study function

Rotating self-study and static self-study can be selected through parameter settings

Static self-study	The mode is most suitable when motor and load can not be disengaged, when motor and gear box is connected to make accurate electrical parameters after self-study, thereby obtaining a high starting torque, high-speed, and high-precision control.
Rotating auto tuning	This mode is most suitable when motor and load can be disengaged or no-load running situation. So the mechanical equipment can obtain high starting torque, high-speed, and high-precision control.

Speed tracking mode

In light load one inverter can drive several motors to start tracking and to optimize the hardware and software tracking function, in which case the speed tracking precision and reliability are much higher.

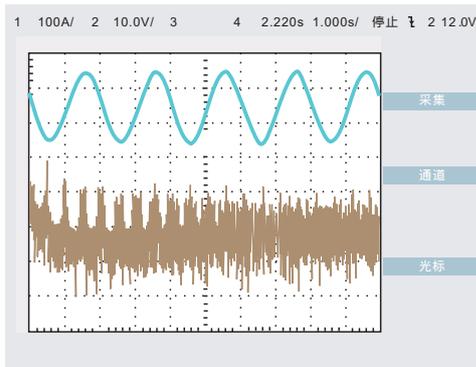


Software Tracking

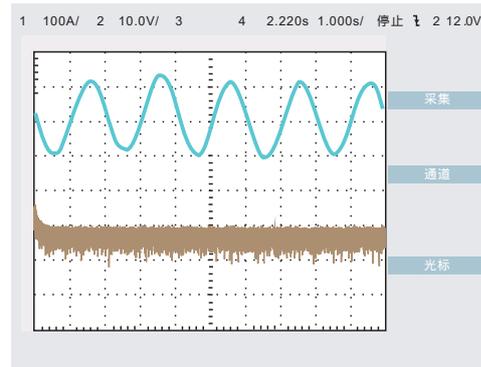
Best Uses: Suitable for mechanical equipment such as fans, blowers that are equipped with a rotary device.

Random carrier function

Random carrier function can effectively reduce motor noise and suppress Inverter interference on external devices.



Interference signal under fixed-carrier is strong



Noise can be effectively reduced in random carrier

Product Features

Advanced control algorithms

PG without vector control SVC, V / F control mode, optimization of PWM output.

User-friendly design

Wide voltage input range, ensuring that products meet the needs of the user site.

Convenient operation

Out access is standard, potentiometer keyboard, plug and play, supporting parameter copy.
Complete fault protection, fault history query support, rapid positioning.

Feature-rich

Multi speed, simple PLC, PID.
Wide voltage input range, ensuring that products meet the needs of the user site.

Environmental resistance design

Three anti-treatment

PCB three anti-paint treatment:
anti-moisture, anti-salt, anti-fungal.

Protection class

Protection class is IP20, higher protection class products can be customized.
Equipped with moisture, dust resistant, vibration-resistant reinforced products.

Applications

Food Machinery

- Improve efficiency, reduce costs.
- Wide speed regulation range, strong anti-overload capacity.
- Realize the Software controlling.



Packaging Machinery

- It has high steady-state accuracy and dynamic response.
- Small size, low noise, multiple functions.



Textile Machinery

- Smooth start, large torque in low-speed.
- Better acceleration and deceleration.
- Widely used in textile machineries such as sizing machines, coating machines, photographic machines, photoelectric weft machines, Embroidery machines, roving machines.

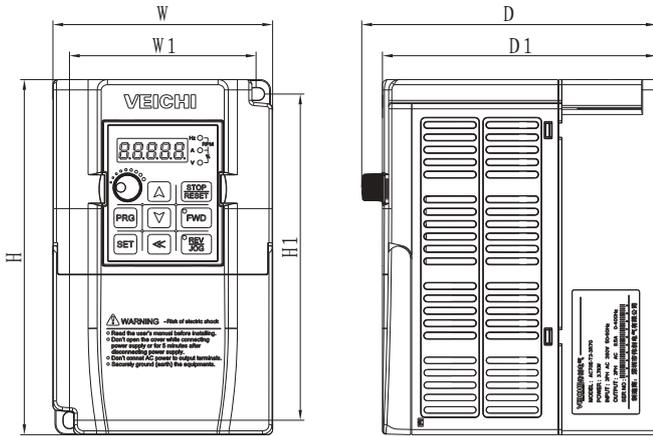


Automatic assembly line

- Powerful communication functions that is convenient for centralized control.
- Powerful anti-current shock capacity.

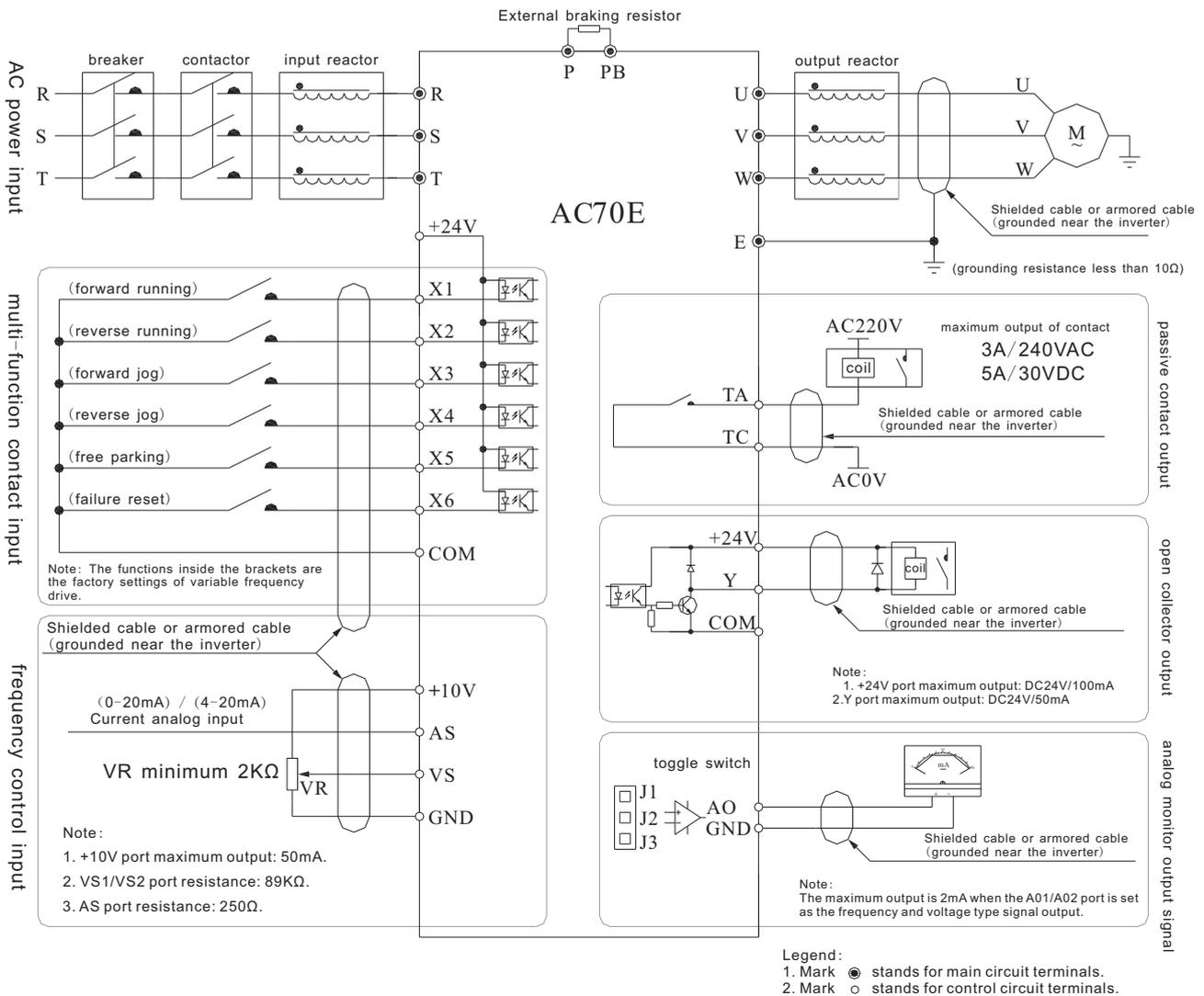


Mounting dimensions



Inverter model	W	W1	H	H1	D	D1	Mounting Hole
AC70E-S2-R40G	88	75	142.5	129.5	142	132	Φ5
AC70E-S2-R75G							
AC70E-S2-1R5G							
AC70E-T3-R75G							
AC70E-T3-1R5G	106	90	172	158	142	132	Φ6
AC70E-S2-2R2G							
AC70E-T3-2R2G							
AC70E-T3-004G							

Standard Wiring Diagram



VEICHI

Shenzhen Veichi Electric Co., Ltd

Block C, Wentao Science and Technology Park, Shiyan
Yingrenshi Community, Baoan District, Shenzhen, China
Tel: +86-755-2968 5610 (EXT 835)
Fax: +86-755-2968 5615 E-mail: overseas@veichi.com

Suzhou Veichi Electric Co., Ltd

No.111 Wusongjiang Avenue, Guoxiang Street, Wuzhong District, Suzhou, China
Service hotline :400-600-0303
[Http://www.veichi.com](http://www.veichi.com)



*Version 2016 V1.0
Shenzhen Veichi Electric Co., Ltd all rights reserved, subject to change without notice.