

## WIN-9G-T4 series General Inverter



### 1.9G series Models:

| Model No.    | Input Voltage                     | Output Current: A | Suitable Motor: KW |
|--------------|-----------------------------------|-------------------|--------------------|
| WIN-9G-1R5T4 | 3 $\Phi$ 380V 50Hz<br>(T4 series) | 4                 | 1.5                |
| WIN-9G-2R2T4 |                                   | 6                 | 2.2                |
| WIN-9G-3R7T4 |                                   | 9.6               | 3.7                |
| WIN-9G-5R5T4 |                                   | 13                | 5.5                |
| WIN-9G-7R5T4 |                                   | 17                | 7.5                |
| WIN-9G-011T4 |                                   | 25                | 11                 |
| WIN-9G-015T4 |                                   | 32                | 15                 |
| WIN-9G-018T4 |                                   | 38                | 18.5               |
| WIN-9G-022T4 |                                   | 45                | 22                 |
| WIN-9G-030T4 |                                   | 60                | 30                 |
| WIN-9G-037T4 |                                   | 75                | 37                 |
| WIN-9G-045T4 |                                   | 90                | 45                 |
| WIN-9G-055T4 |                                   | 110               | 55                 |
| WIN-9G-075T4 |                                   | 150               | 75                 |
| WIN-9G-093T4 |                                   | 180               | 93                 |
| WIN-9G-110T4 |                                   | 215               | 110                |
| WIN-9G-132T4 |                                   | 260               | 132                |
| WIN-9G-160T4 |                                   | 310               | 163                |
| WIN-9G-185T4 |                                   | 350               | 185                |
| WIN-9G-200T4 |                                   | 380               | 200                |
| WIN-9G-220T4 |                                   | 420               | 220                |
| WIN-9G-245T4 |                                   | 470               | 250                |
| WIN-9G-280T4 |                                   | 530               | 280                |
| WIN-9G-315T4 |                                   | 600               | 315                |
| WIN-9G-355T4 |                                   | 660               | 350                |
| WIN-9G-400T4 |                                   | 750               | 400                |

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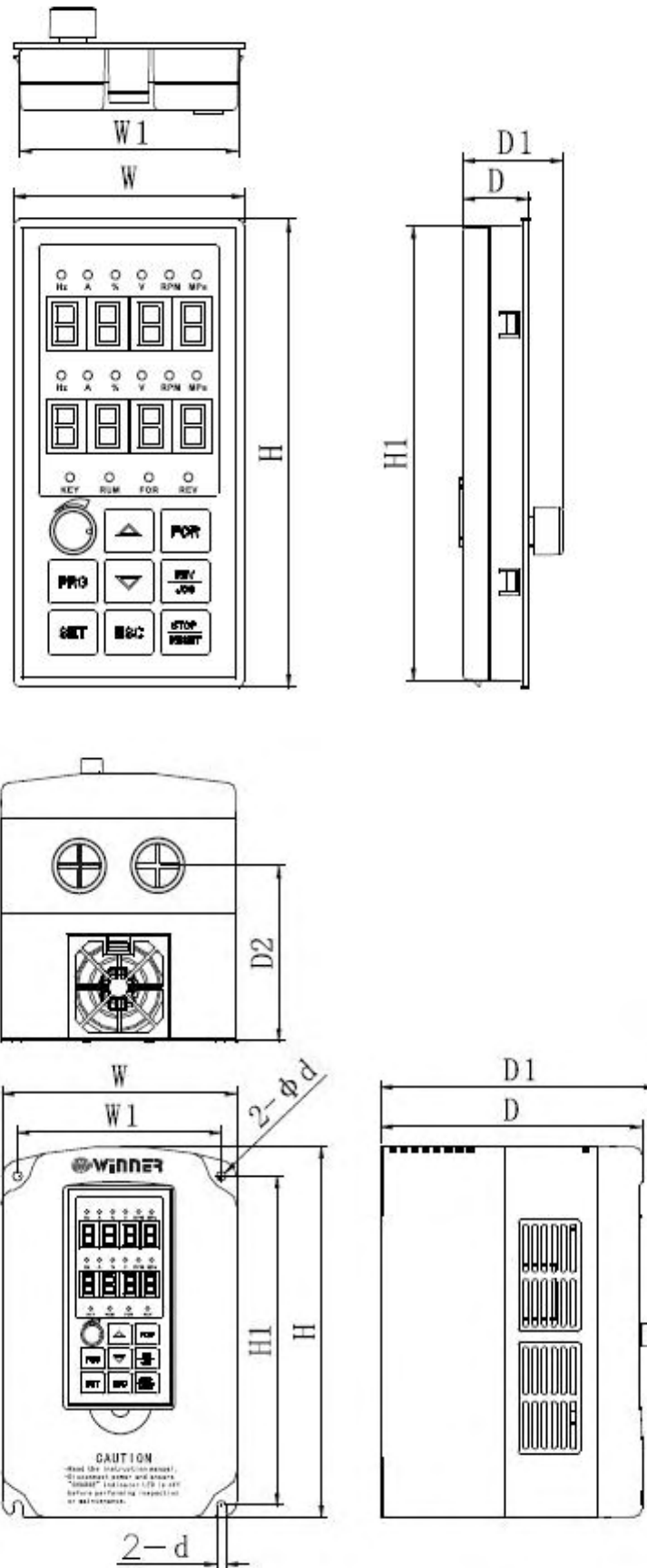
- ◆ Adopting new generation of SPWM technology, 9G series inverters provides rated torque at low speed. Its overload capacity is big and variable torque boost, VF curve can be preset.
- ◆ Automatic torque boost function provides high start torque, automatic slip compensation, parameter self-learning and other advanced function enables the machine to operate with high precision.
- ◆ Perfect protection and self-analyzing system, advanced technology, all-round function, convenient operation cater to the demands of energy saving and variable production processes.
- ◆ 11-200KW inverter adopt enclosed structure which is anti-dust and prolongs the machine's life.
- ◆ It is cooled by independent cooling air channel with low wind resistance. The cooling efficacy is high and the temperature rise is low.
- ◆ The main loop with low induction and optimized layout enable the machine to fully exert its performance.
- ◆ The front panel and keypad (less than 7.5KW) can be detached easily.
- ◆ Adopt HITACHI 32bit MCU, use advanced SVPWM control technology to optimize current wave and reduce harmonic disturbance. Low noise and high low-frequency torque.
- ◆ Keyboard can display two different operating parameters, more parameters displayed and easy to transfer.
- ◆ Four programmable output interface(two for programmable relays, two for open circuit collecting electrode output interface), multiple output for selection.
- ◆ Manual voltage output makes the expanded application field possible.
- ◆ Internal RS-485 interface.

### 2.Common specifications:

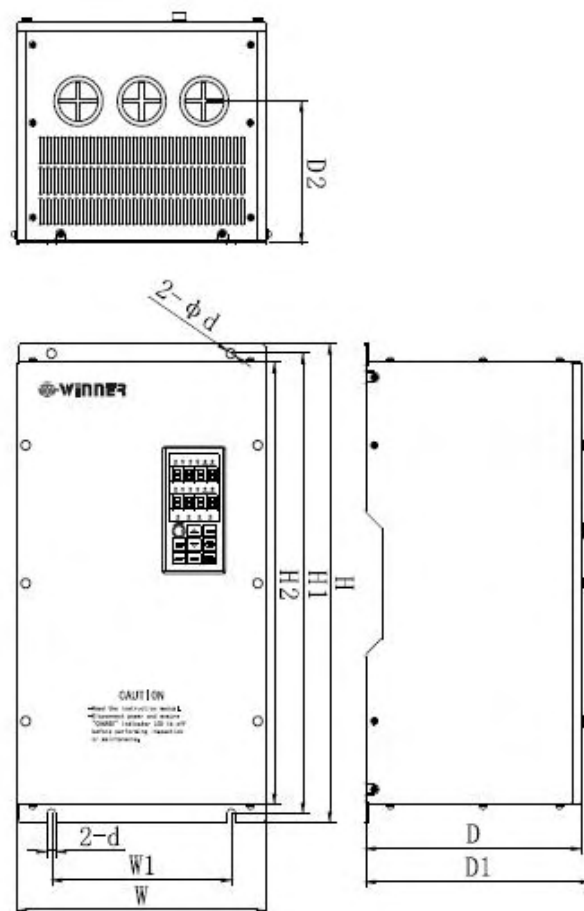
| Item                |                              | Specification                                                                                                                                                  |
|---------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input               | Voltage / Frequency          | T4: 3-phase 380V 50/60Hz; T6: 3-phase 660/690V 50/60Hz                                                                                                         |
|                     | Allowed Volt. Fluctuation    | -15% ~ +10%                                                                                                                                                    |
|                     | Allowed Freq. Fluctuation    | 5%                                                                                                                                                             |
| Output              | Frequency Range              | 0~400Hz                                                                                                                                                        |
|                     | Over Load Range              | 150% 1minute, 180% 6 seconds                                                                                                                                   |
| Control             | Control Method               | SVPWM                                                                                                                                                          |
|                     | Frequency Accuracy           | Digital setting $\pm 0.01\%$ (-10°C ~ +40°C)                                                                                                                   |
|                     | Frequency Setting Resolution | Digital setting: 0.01Hz; analog setting: 0.2Hz / 60Hz                                                                                                          |
|                     | Output Resolution            | 0.01Hz                                                                                                                                                         |
|                     | Frequency Setting Source     | 0~+10V, 0~5V, 4~20mA, 0~20 mA                                                                                                                                  |
|                     | Accelerate/Decelerate Time   | 0.1-9999s(acceleration or deceleration time can be set separately).                                                                                            |
|                     | V/F Characteristic           | 33 fixed V/F characteristics available and anyone can be preset.                                                                                               |
| Braking Torque      |                              | Additional braking resistor reaches to 125%                                                                                                                    |
| Producing Function  |                              | Over voltage, unde r voltage, limited amplitude of current, overcurrent, overload, thermionicrelay, overheat, overvoltage stall, lowload alarm, load shortcut. |
| Ambient Temperature |                              | -10°C ~ +40°C                                                                                                                                                  |
| Humidity            |                              | 20% ~ 90% RH (no condensation)                                                                                                                                 |
| Storage Temperature |                              | -20°C ~ +65°C                                                                                                                                                  |
| Aplication Area     |                              | indoor (no dust, no corrosive odor, no direct sunlight)                                                                                                        |
| Altitude            |                              | less than 1000m                                                                                                                                                |
| Vibration           |                              | 20Hz, less than 0.5g                                                                                                                                           |
| Protection Level    |                              | IP50 for 11-200kw, the rest are IP20                                                                                                                           |
| Cooling Mode        |                              | Fored air cooling                                                                                                                                              |

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### 3. Dimension:



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