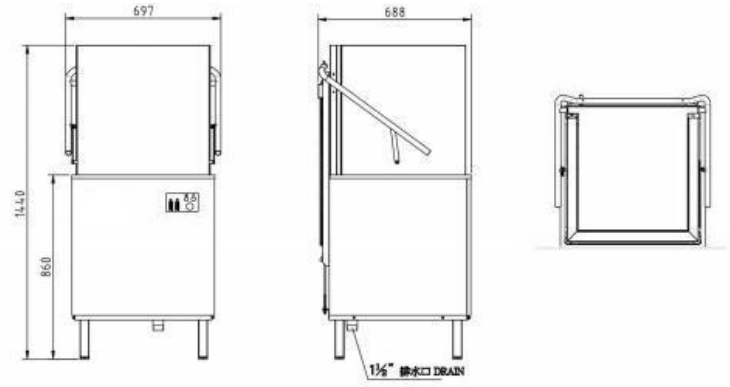
Brand	V-TAI
Description	Hood Type Dishwasher (Heat Recovery)
Model	VT-AE-JD-2H
Origin	China



(**The Picture of the machine is for reference only**)

Applicable venues: hotels, hotels, fast food restaurants, small staff restaurants and other places for 100-300 people

Product function: ashing bowls, saucers, cups, trays, knives, forks, spoons and other tablewar.

Washing capacity: 60 baskets/hour

Parameters:

- Machine dimension: 697*688*1440mm
- Maximum washing: 372
- Maximum water consumption: 2.5L
- Tank heating power: 3KW
- Rinsing heating power: 6KW
- Wash pump power: 0.75KW
- Total power: 9KW
- Voltage can be selected: 380V/3N, 220V/1N; 50HZ
- Net Weight: 85kg

Technical Specifications:

Ⅰ. Safety Certification System:

- **Comprehensive CE Compliance:**
  - The entire unit is certified under the European Union's CE framework, encompassing both the Low Voltage Directive (LVD) and Electromagnetic Compatibility (EMC) directives.

- **Reliable Electrical Components:**
  - Key electrical components (contactors, relays, solenoid valves) are sourced from internationally recognized, CE-certified brands, ensuring robust control circuit reliability.

Ⅱ. Stainless Steel Structural System:

- **Fully Sealed Construction:**
  - Employs 1.0mm thick SUS304 stainless steel with integral welding, providing a completely sealed structure for the main chamber and access doors.
- **Three-Dimensional Washing System:**
  - Features a three-dimensional washing system with upper/lower wash arms and a lower rinse arm, all constructed from CNC precision-machined, one-piece stainless steel components.
- **Optimized Rack Support:**
  - The rack support system utilizes a matrix arrangement of fine-diameter stainless steel tubes, ensuring a 360° unobstructed washing path.

Ⅲ. Intelligent Control System:

- **Advanced PLC and Drive System:**
  - Equipped with an EMC-certified PLC and variable frequency drive system, featuring electromagnetic interference shielding modules.
- **Dual-Mode Water Management:**
  - Incorporates a dual-mode water level management system, including a full-water overflow protection device and a low-water automatic compensation system.
- **Temperature-Pressure Interlock:**
  - The steam heating unit features dual temperature sensors, combined with 3kg/cm² dynamic water pressure monitoring for precise control.

Ⅳ. Fluid Dynamics System:

- **Wide-Angle Spray Nozzles:**
  - Utilizes diamond-shaped wide-angle spray nozzles with five-axis machined 30° fan-shaped spray holes, achieving a 98.5% coverage rate.
- **Dual-Loop Filtration:**
  - Features a dual-loop filtration system, including a front-mounted removable stainless steel debris screen (Φ2mm aperture) and a rear-mounted self-cleaning filter basket.

Ⅴ. Safety Protection System:

- **Electromechanical Interlock:**
  - An electromechanical interlock device automatically cuts off power and heating systems when the access door is opened.
- **Motor Protection Module:**
  - The motor protection module integrates phase failure detection, overload protection, and winding overheat triple-level protection.
- **Main Power Protection:**

- Employs Schneider molded case circuit breakers (NFB) as the main power protection unit.

Ⅵ. Maintainability Design:

- **Quick Maintenance Access:**
  - Components such as filter screens and waste collection baskets are designed for front-access maintenance.
- **Removable Waste Collection Tray:**
  - The removable waste collection tray features a flow diversion design, combined with a Φ150mm cleaning access port.
- **Self-Diagnostic System:**
  - The self-diagnostic system provides real-time display of water replenishment, heating, pump pressure, and other operating parameters via the HMI panel.

Ⅶ. Energy Efficiency Innovation:

- **Recycles rinse-water heat for up to 30% energy savings:**
  - Patented thermal recovery system captures residual heat from rinse cycles to preheat incoming water, drastically reducing electricity demand for heating.

Installation connection requirements		
1. Inlet water	Interface pipediameter	G 3/4”
	Inlet pressure	1.5 KG
	Inlet water temperature	10℃ - 40℃
	Water consumption	2.5L / Cycle
2. Water tank drainage	Interface pipe diameter	DN25
3. Power connection	Power supply parameters	380V / 50HZ / 3N 220V / 50HZ / 1N
	Total power	13 KW
	Electric current	22 A

Note:

1. An independent power supply all-pole disconnection device and a water source switch manual valve must be installed, which are used to cut off the power supply and water source of the machine respectively;
2. The power supply, inlet pipe, drain pipe, steam pipe and ventilation pipe connected to the machine must meet the relevant national standards;
3. The external pipe connected to the machine Field installation;