

# CONVENIENT & HEALTHY

**Water volume display**  
Allow users to easily track and manage their hot water usage, ensuring that they always have enough hot water for their needs.

0% 25% 50% 75% 100%

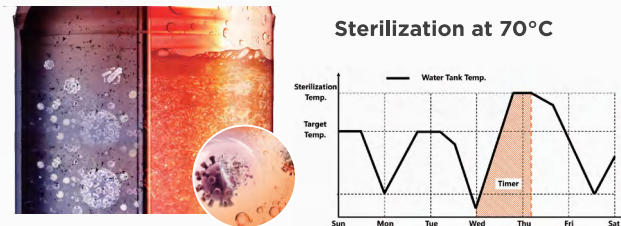
**Ventilation mode**  
The ventilation mode helps to circulate fresh air, reducing the buildup of harmful gases and odors, which contributes to a healthier indoor environment.

Installed on the wall

Exhausting dirty indoor air to the outdoor  
Bringing fresh outdoor air to the indoor

## Disinfection function

This function helps to maintain a clean and hygienic water supply, reducing the risk of waterborne diseases and promoting overall health and well-being.



## Dual temperature sensor design

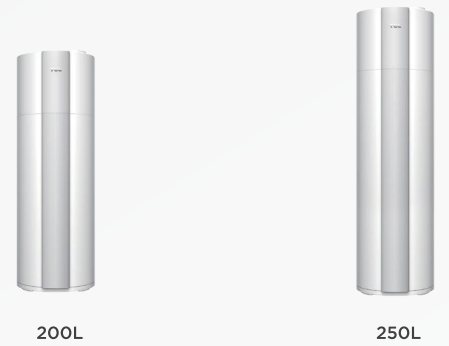
Real-time monitoring of hot water stratification in water tank to provide users with an improved hot water experience.



## More stable water temperature

Low inlet laminar water addition technology for more usable water volume

# PARAMETER



| MODEL                                  |                                    | KZd40-RS20WF-T3 | KZd40-RS25WF-T3                   |
|--|------------------------------------|-----------------|-----------------------------------|
| <b>Power supply</b>                    | V/Ph/Hz                            | 220-240/1/50    | 220-240/1/50                      |
| <b>Water tank volume</b>               | Ltr                                | 204             | 250                               |
| <b>Refrigerant</b>                     | Type                               | -               | R290                              |
|  | Charge                             | g               | 150                               |
|  | Load profile                       | -               | XL                                |
| <b>Average climate (7°C) (EN16147)</b> | Energy efficiency class            | -               | A+                                |
|  | Energy efficiency-                 | %               | 135.9%                            |
|  | COP <sub>DHW</sub>                 | -               | 3.30                              |
| <b>Operation range</b>                 | Annual electricity consumption-AEC | kWh             | 1233                              |
|  | Heat pump                          | °C              | -7 ~ 43                           |
|  | Heat pump+E-heater                 | °C              | -25 ~ 43                          |
| <b>Max. hot water temperature</b>      | Heat pump                          | °C              | 70                                |
|  | Heat pump+E-heater                 | °C              | 75                                |
| <b>Water tank rated pressure</b>       | MPa                                | 0.85            | 0.85                              |
| <b>Compressor</b>                      | Type                               | -               | Rotary                            |
|  | Material                           | -               | Enamelled steel                   |
|  | Cathodic protection                | -               | Mg rod+Electronic anode(Optional) |
| <b>Tank</b>                            | Water inlet pipe                   | G"              | 3/4"                              |
|  | Water outlet pipe                  | G"              | 3/4"                              |
|  | Drainage pipe                      | G"              | 3/4"                              |
| <b>Power input</b>                     | Maximum heat pump power input      | W               | 850                               |
|  | E-heater                           | W               | 1600                              |
|  | Maximum power input                | W               | 2450                              |
| <b>Refrigerant design pressure</b>     | MPa                                | 3.2/1.1         | 3.2/1.1                           |
| <b>Sound power level</b>               | dB(A)                              | 53              | 53                                |
| <b>Net/gross weight</b>                | kg                                 | 94/114          | 106/125                           |
| <b>Net dimension (W×D×H)</b>           | mm                                 | 600×625×1802    | 600×625×2022                      |
| <b>Packaging dimension (W×D×H)</b>     | mm                                 | 690×690×1960    | 690×690×2180                      |
| <b>Loading quantity</b>                | 20GP/40GP/40HQ                     | Pcs             | 24/51/51                          |

V2.0

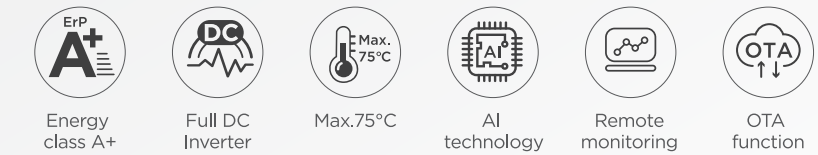


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Worldwide Air Conditioner Partner

# INTEGRAL HEAT PUMP WATER HEATER



# HIGH EFFICIENCY



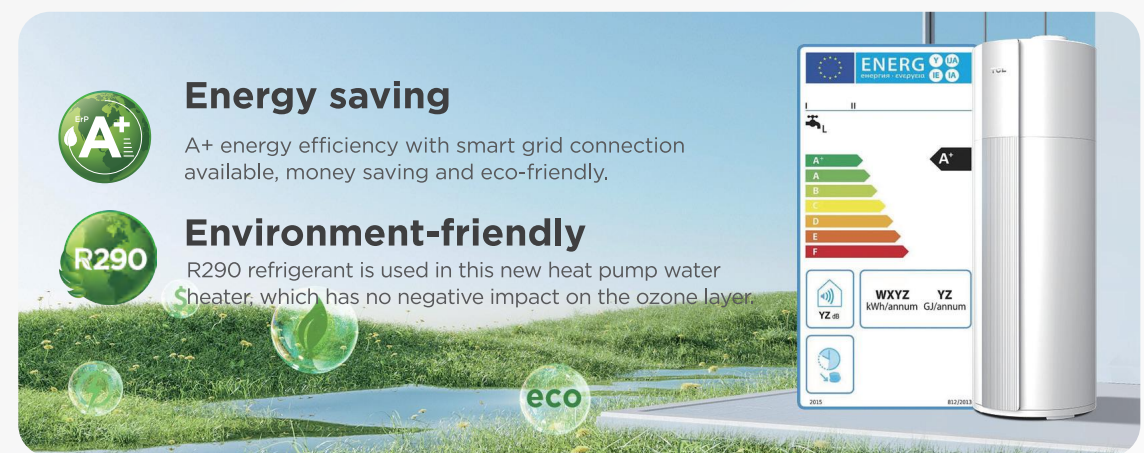
## Energy saving

A+ energy efficiency with smart grid connection available, money saving and eco-friendly.



## Environment-friendly

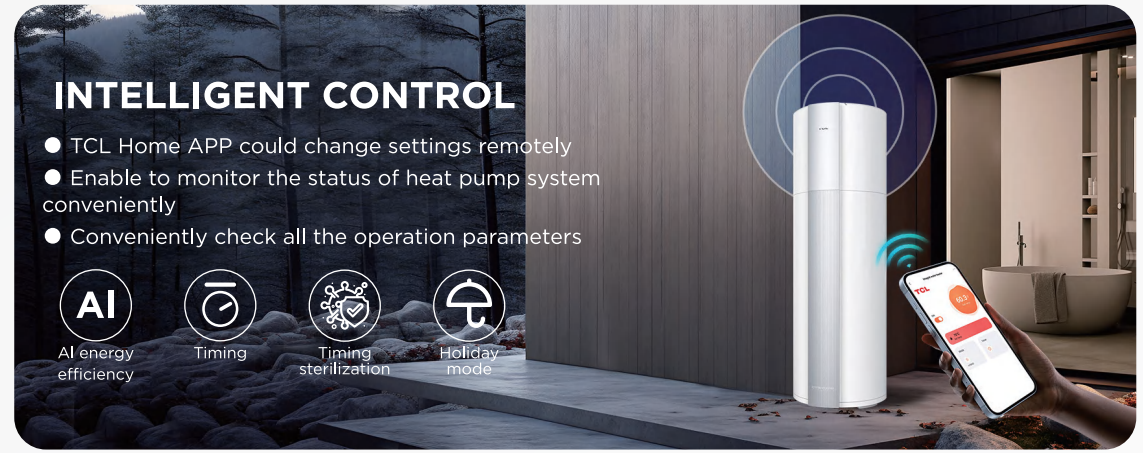
R290 refrigerant is used in this new heat pump water heater, which has no negative impact on the ozone layer.



# INTELLIGENT

## INTELLIGENT CONTROL

- TCL Home APP could change settings remotely
- Enable to monitor the status of heat pump system conveniently
- Conveniently check all the operation parameters



# MORE DURABLE

## Rapid heating

Only when ambient temperature is lower than -7°C, element heater will be automatically switched on. The highest water outlet temperature can reach 75°C. In case of -25-43°C can be heated quickly.

**Max. 75°C**  
Heat pump+ electric heater

**Max. 70°C**  
Heat pump only



## Multiple applications

● This hybrid heating system is not only energy-efficient but also eco-friendly, reducing energy consumption and carbon emissions. With smart control, the water heater can intelligently select the most suitable energy source based on user habits and requirements.

● The backup heating feature ensures a reliable supply of hot water even if the primary energy source fails, making it a versatile and cost-effective solution for various energy supply scenarios

## SG ready

The water heater could communicate with and respond to the demands of the electrical grid which enables the water heater to optimize its energy consumption by adjusting its operation based on real-time data from the grid



## Vacation mode

The water heater conserves resources by minimizing unnecessary heating. Allow you to enjoy your time without worrying about any issues when you go on vacation



## OTA function

- The water heater can be remotely updated, allowing it to receive and install software updates without the need for on-site manual intervention.
- With OTA function, users can easily access the latest features, improvements, ensuring optimal performance and efficiency.



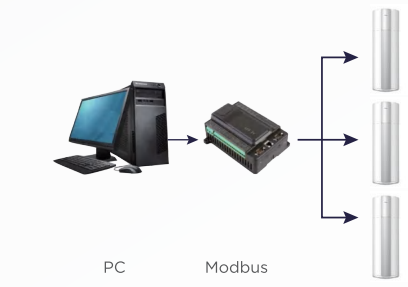
## AI function

- Equipped with an advanced intelligent learning system to accurately capture your water usage habits and automatically adjust the working mode to adapt to different water usage scenarios.
- Provide a comfortable experience and realize high efficiency and energy saving.



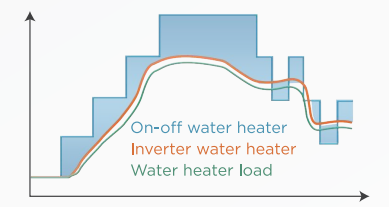
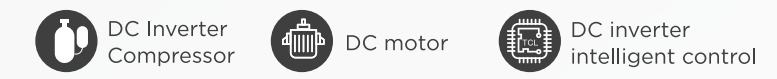
## MODBUS

- Provide a standardized communication protocol that allows for easy integration with building automation systems.
- Enabling remote monitoring and control of water heater parameters.



## Full DC Inverter

Provides HP with outstanding part load and seasonal efficiency.



## Cathodic protection

- Purify water quality
- More reliable protection
- Scale reduction
- Reduce maintenance cost

## Magnesium rod

When the water heater is in operation, the magnesium anode rod corrodes in place of the tank. This sacrificial corrosion process helps extend the lifespan of the water heater by preventing rust from forming on the tank.



## Electronic anode

Extend the life of the water heater, saving you the cost and inconvenience of frequent replacements.

