

# 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.

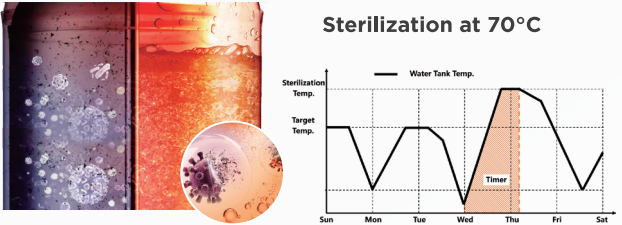
Exhausting dirty indoor air to the outdoor

Bringing fresh outdoor air to the indoor

Installed on the wall

## 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

		200L		250L	
MODEL		KZd40-RS20WF-T3		KZd40-RS25WF-T3	
Power supply		V/Ph/Hz	220-240/1/50		220-240/1/50
Water tank volume		Ltr	204		250
Refrigerant	Type	-	R290		R290
	Charge	g	150		150
Average climate ( 7°C ) ( EN16147 )	Load profile	-	XL		XL
	Energy efficiency class	-	A+		A+
	Energy efficiency-	%	135.9%		145.1%
	COP <sub>DHW</sub>	-	3.30		3.50
Operation range	Annual electricity comsuption-AEC	kWh	1233		1154
	Heat pump	°C	-7 ~ 43		-7 ~ 43
	Heat pump+E-heater	°C	-25 ~ 43		-25 ~ 43
Max. hot water temperature	Heat pump	°C	70		70
	Heat pump+E-heater	°C	75		75
Water tank rated pressure		MPa	0.85		0.85
Compressor	Type	-	Rotary		Rotary
	Material	-	Enamelled steel		Enamelled steel
Tank	Cathodic protection	-	Mg rod+Electronic anode(Optional)		Mg rod+Electronic anode(Optional)
	Water inlet pipe	G"	3/4"		3/4"
	Water outlet pipe	G"	3/4"		3/4"
	Drainage pipe	G"	3/4"		3/4"
Power input	Maximum heat pump power input	W	850		850
	E-heater	W	1600		1600
	Maximum power input	W	2450		2450
Refrigerant design pressure		MPa	3.2/1.1		3.2/1.1
Sound power level		dB(A)	53		53
Net/gross weight		kg	94/114		106/125
Net dimension (W×D×H)		mm	600×625×1802		600×625×2022
Packaging dimension (W×D×H)		mm	690×690×1960		690×690×2180
Loading quantity		Pcs	24/51/51		24/51/51

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# INTEGRAL HEAT PUMP WATER HEATER

ErP  
**A+**

Energy  
class A+

**DC**  
Inverter

Full DC  
Inverter

Max.  
75°C

Max.75°C

**AI**  
technology

AI  
technology

Remote  
monitoring

Remote  
monitoring

**OTA**  
function

OTA  
function

The image shows a sleek, white, cylindrical TCL Heat Pump Water Heater unit installed in a modern bathroom. The unit is positioned next to a large window, and a towel is hanging on a rack nearby. The bathroom has a clean, minimalist design with white tiles and a wooden floor.



# 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.

**Multiple applications**

- The multi-source heating capability of this water heater allows it to draw energy from dual or triple energy sources, such as electricity, gas, or solar power.
- 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

# 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

AI energy efficiency

Timing

Timing sterilization

Holiday mode

**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.

**MODBUS**

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

**Full DC Inverter**

Provides HP with outstanding part load and seasonal efficiency.

DC Inverter Compressor

DC motor

DC inverter intelligent control

**Cathodic protection**

Purify water quality

Scale reduction

More reliable protection

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.