

# KAISAI



## DHW / HEATING TANK

AN INNOVATIVE SOLUTION DESIGNED SPECIFICALLY FOR HEAT PUMPS,  
WITH BOTH A DOMESTIC HOT WATER TANK AND A BUFFER TANK IN A SINGLE HOUSING

# DHW / HEATING TANK

The combination of tanks offers an optimal alternative to common solutions on the market. It saves space by using a compact design while maintaining functionality and essential performance. The Eco Home tank will blend in perfectly with any type of system, whether newly designed or retrofitted.

**250 litres**

Domestic hot water tank

**2,8 m<sup>2</sup>**

Coil surface

**50 mm**

Polyurethane insulation thickness



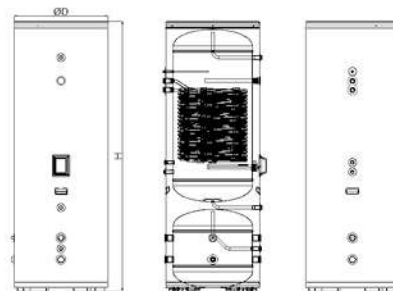
The new Eco Home tank is an exceptionally energy-efficient solution that guarantees reliability, easy installation and ergonomics by minimising the required technical room space.

The 100 litre buffer tank not only acts as a minimum charge protection for central heating systems, but also as a hydraulic coupling. The DHW tank including the coil is made of **316 stainless steel**, while the buffer tank is made of **304 stainless steel** ensuring durability and many years of use. The use of 50 mm-thick polyurethane insulation minimises heat loss and allows it to be located in any room of the building. The connection ports for the system and the heat pump are located on both sides of the tank, ensuring convenient and easy installation. An additional advantage of the DHW tank is the 3 kW electric heater included as standard.

1 Buffer tank outlet	9 Magnesium anode
2 Buffer tank inlet	10 Electric DHW heater
3 Domestic cold water inlet	11 Drain connection
4 Circulation/spare port	12 Buffer tank outlet
5 Inlet to DHW tank coil	13 Relief valve seat / air vent
6 DHW tank coil outlet	14 Buffer tank inlet
7 Hot water temperature sensor port	15 Buffer tank temp. sensor port
8 Hot water outlet from DHW tank	16 Drain connection

## Technical specification

# KTC-F250WTC2SA



### DHW TANK

Model	KTC-F250WTC2SA	
Nominal capacity	L	250
Actual capacity	L	232
Max. design water pressure	Bar	10
Tank safety temperature	°C	95
Heat loss	kW/24h	1,6
Coil surface	m <sup>2</sup>	2,8
Max. coil working pressure	Bar	10
Coil safety temperature	°C	110
Pressure drop across the DHW coil / water flow	Bar/m <sup>3</sup> /h	0,92/1,2
Continuous heating efficiency	kW/l/min	18,75/53,4
Domestic hot water pipe connections	inch	3/4
Domestic hot water coil pipe connections	inch	1/2
Outlet port size	inch	1/2
Temperature sensor connector		M12
Rated power of the electric heater	kW	3
Electric heater voltage	V	230
Max. current drawn	A	13,7

### BUFFER TANK

Nominal capacity	L	100
Actual capacity	L	85
Max. tank design pressure	Bar	3
Tank safety temperature	°C	95
Heat loss	kW/24h	1,6
Buffer tank pipework connections	inch	5/4
Outlet port size	inch	3/4
Temperature sensor connector		M12

### DHW TANK WITH A BUFFER

Gross dimensions	m	0,665×0,665×2
Net dimensions	m	Ø0,65×1,87
Gross weight	kg	102
Net weight	kg	83,5
Insulation material	/	Polyurethane
Insulation thickness	mm	50



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