

ENTH-250 specification

Reviewed 8 October 2026 · Made by TCL · Supplied by enthalvia

Capacity and performance

Stated capacity	250 L
Coefficient of performance COP, EN 16147, 7°C air, load profile XL	3.50
Water heating energy efficiency Load profile XL	145%
Annual electricity consumption Load profile XL	1,154 kWh
Heat-up time, heat pump only 10 to 50°C, 15°C air	7.2 h
Maximum water temperature	70°C, or 75°C with element
Operating range	–7 to +43°C heat pump; –25 to +43°C with element

Refrigerant

Refrigerant	R290, 150 g
Global warming potential (GWP)	3
Design pressure	3.2 / 1.1 MPa
Compressor	Rotary, DC inverter

Electrical

Power supply	220–240 V, 1 ph, 50 Hz
Maximum heat pump power input	850 W
Back-up electric element	1,600 W
Maximum power input	2,450 W
Sound power / pressure	53 dB(A) / 41 dB at 1 m

Tank and connections

Tank	Enamelled steel
Corrosion protection	Magnesium anode; electronic anode optional
Rated pressure	0.85 MPa
Water inlet, outlet and drain	G 3/4"

Size and weight

Net dimensions, W × D × H	600 × 625 × 2,022 mm
Packed dimensions, W × D × H	690 × 690 × 2,180 mm
Net / gross weight	106 / 125 kg

Controls and connectivity

Connectivity	WiFi, TCL Home app, over-the-air updates
Interfaces	SG-Ready, Modbus
Functions	Holiday mode, timed heating, disinfection cycle at 70°C

Approvals, cover and identification

MCS	Listing in progress
Cover included	24 months, whole appliance, parts and labour
Manufacturer	TCL
TCL model code	KZd40-RS25WF-T3

Sources. TCL service manual V25.07.11.4 and product fiche. Heat-up time and sound pressure: TCL, 29 September 2026. Room size, airflow and service access require an installation assessment. Confirm the supplied configuration and UK energy label before ordering.

Installation. Use a competent unvented hot water installer and follow local building regulations and TCL instructions, including R290 safety. Cover is provided by enthalvia; request full terms before buying. Manufacturer maintenance instructions still apply.