

Installer essentials

Reviewed 13 October 2026 · Made by TCL · Supplied by enthalvia

The two models

	ENTH-200	ENTH-250
TCL model code	KZd40-RS20WF-T3	KZd40-RS25WF-T3
Stated capacity	204 L	250 L
Net size, W × D × H	600 × 625 × 1,802 mm	600 × 625 × 2,022 mm
Net / gross weight	94 / 114 kg	106 / 125 kg
Packed size, W × D × H	690 × 690 × 1,960 mm	690 × 690 × 2,180 mm
Water inlet, outlet, drain	G 3/4"	
Rated pressure	0.85 MPa	
Power supply	220–240 V, 1 ph, 50 Hz	
Power input	850 W maximum heat pump; 2,450 W maximum with the 1,600 W element	
Maximum water temperature	70°C heat pump only; 75°C with element	
Operating range	–7 to +43°C heat pump; –25 to +43°C with element	
Refrigerant	R290, 150 g, GWP 3; not an F-gas	
Tank	Enamelled steel; magnesium anode, electronic anode optional	
Heat-up, 10 to 50°C, 15°C air	6 h	7.2 h
Sound power / pressure at 1 m	53 dB(A) / 41 dB	
Controls	WiFi, TCL Home app, over-the-air updates; SG-Ready and Modbus	

Space and ducting

- Room size, ventilation and service access must be checked for the exact installation. Do not treat the unit footprint as the required room size. Installer assessment required; TCL clarification outstanding
- Clear space without ducts: at least 800 mm above the unit, and 2,000 mm and 800 mm to the walls at either side, as drawn in the manual. TCL installation and service manual V25.07.11.4, section 3
- Ducting is optional: up to two ducts at the top, fresh air in and exhaust out, each up to 5 m, few elbows, insulated at least 15 mm. Rated static pressure 30 Pa, maximum 90 Pa. TCL installation and service manual V25.07.11.4, section 3.5
- Provide condensate drainage. Safety-valve discharge must be designed separately to the applicable local rules, including visibility and safe termination; do not assume an ordinary floor drain is suitable. A dedicated fixed supply with an RCD and circuit breaker; no extension leads. TCL installation and service manual V25.07.11.4

Still being confirmed with TCL

- UK energy label details

Regulations at a glance

- Unvented hot water: follow the building regulations for the installation location. Use a competent unvented hot water installer. In England, a qualification demonstrates competence but does not itself remove notification: use an appropriate competent person scheme to self-certify, or notify building control before work starts. Scotland and Wales have their own applicable guidance. Approved Document G, 2024, paras 3.40 to 3.42
- At least two independent safety devices in addition to any thermostat, for example a non self-resetting energy cut-out and a temperature and pressure relief valve. Approved Document G, 2024, paras 3.17 to 3.18
- R290 is a natural refrigerant, not an F-gas. Follow the manufacturer's instructions, including the R290 guidance. TCL installation and service manual, on request
- Can be specified as part of a Boiler Upgrade Scheme-funded system. Check current Ofgem scheme rules for each installation. Ofgem BUS installer guidance, version 5, paras 3.80 to 3.83

Cover

- 24 months on every unit from enthalvia: whole appliance, parts and labour.
- No registration and no annual service condition. Extendable up to six years with enthalvia Care. Ask for the full cover terms with your quotation and before you buy.
- For units installed in England, Scotland and Wales.

If something goes wrong, send us

- The model, ENTH-200 or ENTH-250
- The TCL model code and serial number from the rating plate
- The installation date, and who fitted it
- What is happening, with a photo if you can

Contact

Technical question	Subject: Technical question
Installation manual	Subject: Manual request
Stock and orders	Subject: Trade order
Fault or cover	Subject: Cover question or fault
info@enthalvia.com	

Grant eligibility and amounts are set by the government and can change. ENTHALVIA does not administer grants; your installer applies on your behalf. Information correct at October 2026.

Sources. Product figures: TCL service manual V25.07.11.4 and product fiche; heat-up and sound pressure from TCL, 29 September 2026. Installation: TCL installation and service manual V25.07.11.4. Regulations: Approved Document G (2024 amendments); Ofgem Boiler Upgrade Scheme guidance for installers, version 5, 28 April 2026.