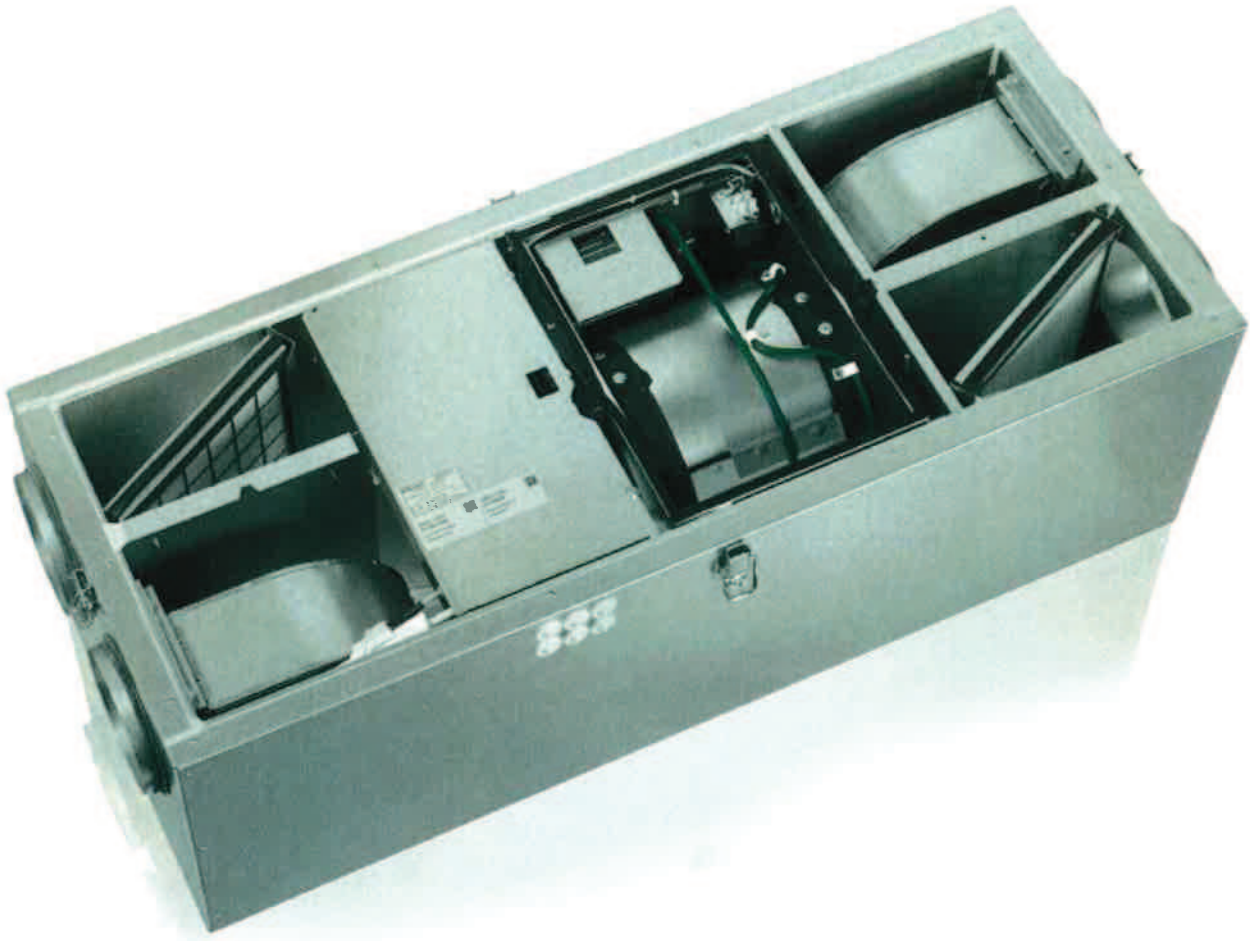


## LTR-2 epbd-test



Performance of ventilation units Enervent LTR-2 eco ECE, eco EC, eco EDE and MDE

- thermal efficiency
- maximum electric power (separate VTT test report VTT-S-02659-14)
- Summer by-pass (Summer night cooling)



**Assignment**

Performance of ventilation unit Enervent LTR-2 eco EC, eco ECE, eco EDE and MDE

**Measurements**

The thermal efficiency of the ventilation unit was determined following the standard NBN EN 308 in accordance with the procedure described in §5.2.1 of document doc\_4.4\_S.a. of EPBD specific procedures.

The measurements took place in November 2014 in the lab of Ensto Enervent Oy, Kipinätie 1, 06150 Porvoo, FINLAND

**Results of the measurements**

LTR-2 eco EC

- Thermal efficiency  $\eta_{t,epb}$  77,3 % at flow rate  $\leq 126 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  75,1 % at flow rate  $\leq 187 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  73,1 % at flow rate  $\leq 228 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  72,2 % at flow rate  $\leq 250 \text{ m}^3/\text{h}$
- Summer by-pass: By-pass complete

LTR-2 eco ECE

- Thermal efficiency  $\eta_{t,epb}$  77,3 % at flow rate  $\leq 126 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  75,1 % at flow rate  $\leq 187 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  73,1 % at flow rate  $\leq 228 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  72,2 % at flow rate  $\leq 250 \text{ m}^3/\text{h}$
- Summer by-pass: By-pass complete

LTR-2 eco EDE

- Thermal efficiency  $\eta_{t,epb}$  77,3 % at flow rate  $\leq 126 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  75,1 % at flow rate  $\leq 187 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  73,1 % at flow rate  $\leq 228 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  72,2 % at flow rate  $\leq 250 \text{ m}^3/\text{h}$
- Summer by-pass: By-pass complete



LTR-2 MDE

- Thermal efficiency  $\eta_{t,epb}$  77,3 % at flow rate  $\leq 126 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  75,1 % at flow rate  $\leq 187 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  73,1 % at flow rate  $\leq 228 \text{ m}^3/\text{h}$
- Thermal efficiency  $\eta_{t,epb}$  72,2 % at flow rate  $\leq 250 \text{ m}^3/\text{h}$
- Summer by-pass: By-pass complete

Additional information:

Fans motor type: All models are equipped with DC fans

Automatic regulation: No

Humidity-based control: One built-in humidity sensor on LTR-2 eco EDE and MDE models.  
Controls fan speed according to indoor humidity level.

Possible on LTR-2 eco EC and eco ECE models with separate hygrostat  
(sold separately).

CO<sub>2</sub> level control: Possible on LTR-2 eco EDE and MDE models; CO<sub>2</sub> sensors are sold  
separately. Controls fan speed according to indoor Carbon dioxide level.

Porvoo, 11 December 2014

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