

# Enervent LTR-6

COMPREHENSIVE TECHNICAL DETAILS

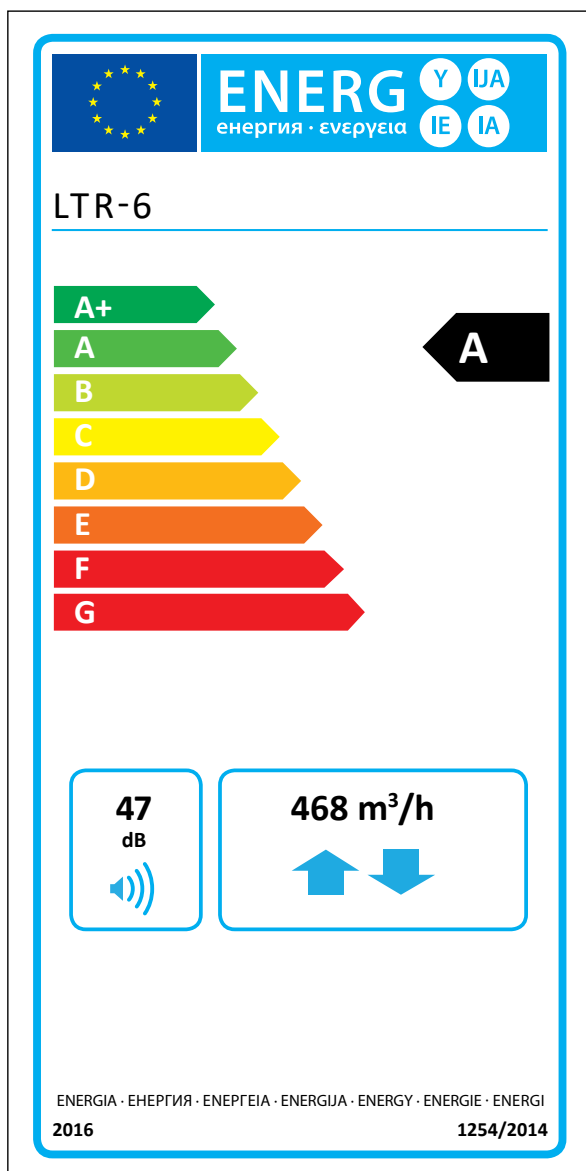


***enervent***

# Enervent LTR-6

The Enervent LTR-6 unit is best suited for large detached houses or public spaces, like offices.

The LTR-series units are designed for installation in the roof, in the attic, in a false ceiling or in a technical space. The horizontal installation often saves a lot of space. LTR-series units are well insulated and can be installed in cold places. The unit needs additional insulation if the temperature around it drops below -10°C. The simple but ingenious structure and the low pressure drop of the unit ensure an inexpensive and safe operation.



The information on the energy label for this product has been defined with local demand control. Local demand control means that the ventilation unit continuously regulates the fan speed(s) and flow rates based on more than one sensor. Please remember to connect all local sensors (some sold as extra equipment) in order to achieve the declared energy class.

## Technical details

### General information

|  |  |
|--|--|
| Reference flow rate according to EcoDesign directive (50 Pa) | 554 m <sup>3</sup> /h                                |
| Air volume flow  | 50..684 m <sup>3</sup> /h                            |
| Pressure difference  | 25 to 125 Pa   |
| Leakage  | external < 5% (test pressure 300Pa)<br>internal < 5% |
| Duct size  | Ø 200 mm   |
| Weight   | 95 kg  |
| Standard filters, 2 x bag filter                             | F7/M5  |
| Filter dimensions (WxHxD)                                    | 287 x 592 x 305 mm (F7)<br>287 x 592 x 340 mm (M5)   |
| IP class   | IP44 (external control IP20)                         |
| Condense connection  | ¼" internal thread                                   |
| Nominal voltage  | 230 V  |
| Nominal current  | Motors 2.4 A total<br>Electrical after heating 8.7 A |

### Fans

|                                   |  |
|-----------------------------------|--|
| Supply and exhaust air fan type   | Ebm-Papst  |
| Supply and exhaust air motor type | D3G146-AH50-01   |
| Nominal voltage                   | 230 V (AC), EC-type with external electronics  |
| Type of fan blade                 | Radial forward   |
| Nominal power                     | 170 W  |
| Acoustical data                   | 67 dB(A) DIN 45635-1 ISO 3745  |
| Fan control eWind control         | 4 situations (away, home, boost, timer controlled boost). In each situation both fans can be fine adjusted separately. |
| Fan control eAir control          | Stepless (supply and exhaust running separately)   |

### Heat exchanger

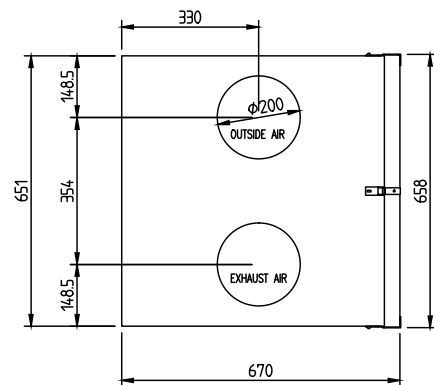
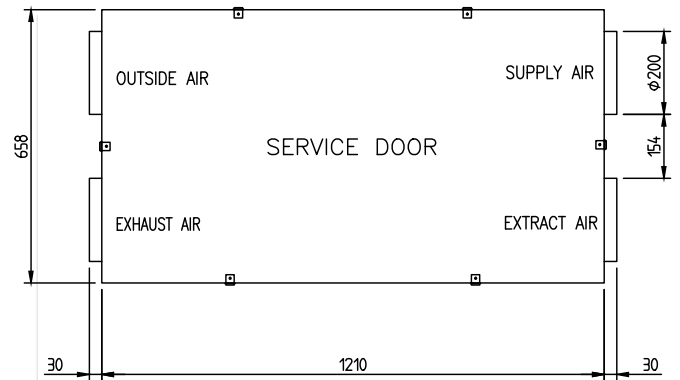
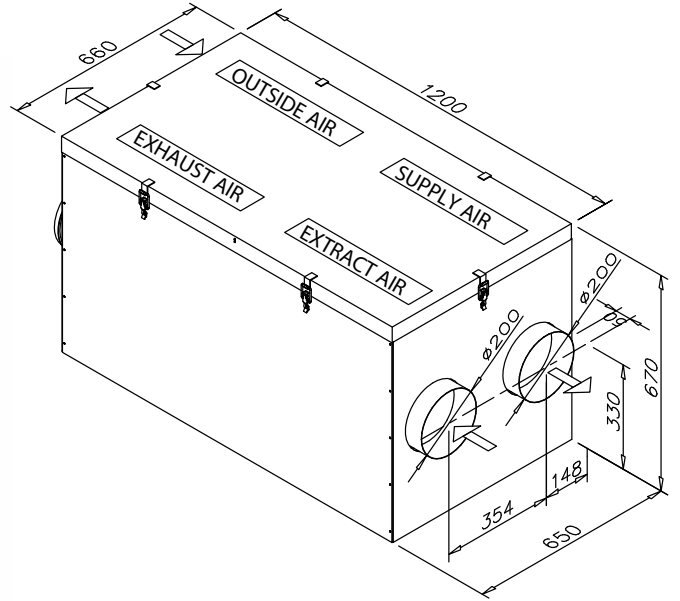
|  |                         |
|--|-------------------------|
| Heat exchanger type  | Rotating heat exchanger |
| Material   | Aluminium               |
| Heat exchanger surface   | 92 m <sup>2</sup>       |
| Heat exchanger dimensions  | 520 x 200 (60 µ)        |
| Heat exchanger motor   | 6 W                     |
| Ventilation unit annual temperature efficiency (EN 13141-7:2010) | 78,4 %                  |
| Supply air annual heat recovery efficiency* (EN 16798-3:2017)    | 91,9 %                  |
| Extract air annual heat recovery efficiency* (D5:2012)           | 78,2 %                  |

\* supply air +18°C, extract air +21°C, exhaust air temperature limit -7°C

### Other information

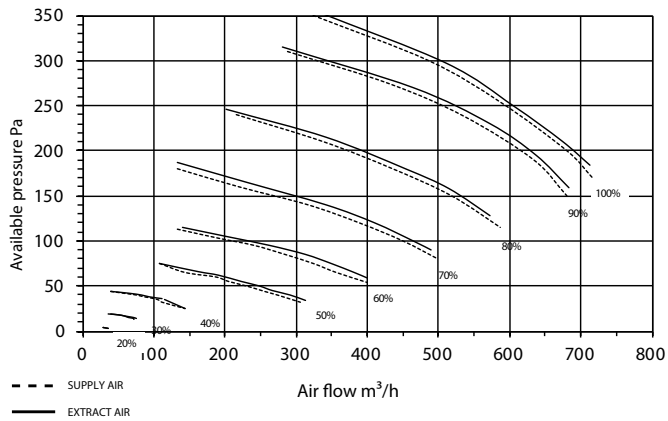
|  |                          |
|--|--------------------------|
| Material inside cover  | Steel sheet, zinc coated |
| Material outside cover   | Steel sheet, zinc coated |
| Sound level in supply air duct at fan speeds 20, 40, 60, 80 and 100% LWA | 30, 50, 62, 68, 71 dB(A) |
| LPA, dB(A), 10 m <sup>2</sup> : sound absorption                         |                          |
| Standard electric after heater efficiency                                | 2 000 W                  |
| Positioning of the water-circulating after heater                        | built-in                 |
| Positioning of a cooling (CG) coil                                       | built-in                 |

## Dimension drawings



## Characteristics

LTR-6 supply and extract air characteristic curves with M5/M5 filters



## Installation

LTR-6 units can be installed with the maintenance hatch upwards or to either side. The unit must not be installed with the hatch downwards or with the duct connections vertically. LTR-6 units with cooling coils must be installed with the service hatch to the side.

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