

# Enervent LTR-5 Z

COMPREHENSIVE TECHNICAL DETAILS



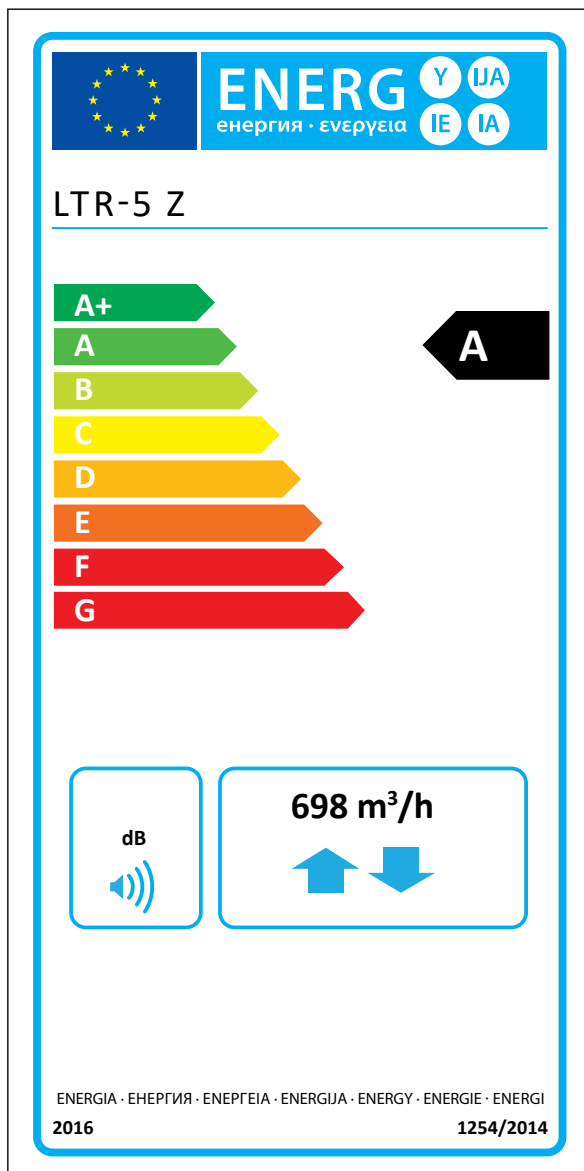
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# Enervent LTR-5 Z

The Enervent LTR-5 Z is suitable for single-family homes, terraced houses and commercial premises.

The LTR series units can be installed on roofs, attics, ceilings or technical rooms. Horizontal installation often saves a lot of space. The LTR series units are well insulated and can be installed in cold places. The ventilation unit requires additional insulation if the ambient temperature drops below  $-10^{\circ}\text{C}$ .

The simple yet ingenious design of the air handling unit and the low pressure drop ensure low cost, safety and very low noise levels. The LTR-5 Z's hatch can be used as a hinged or detachable hatch. The swing cover is interchangeable to meet the requirements of the installation site.



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)	490 m <sup>3</sup> /h
Air volume flow	50–700 m <sup>3</sup> /h
Pressure difference	25–100 Pa
Leakage	external < 5 % (test pressure 300 Pa) internal < 5 %
Duct size	Ø 200 mm
Weight	68 kg
Standard filters, 2 x cassette filter	F7/M5
Filter dimensions (WxHxD)	462 x 216 x 60 mm
IP class	IP44 (external control IP20)
Condense connection	¼" internal thread
Nominal voltage	230 V
Nominal current	Motors 2,7 A total Electrical after heating 9 A

### Fans

Supply and exhaust air fan type	Ebm-Papst
Supply and exhaust air motor type	R3G190-RD45-17
Nominal voltage	230 V (AC), EC-type with external electronics
Type of fan blade	Radial backward
Nominal power	169 W, 1.35 A, 50 Hz
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

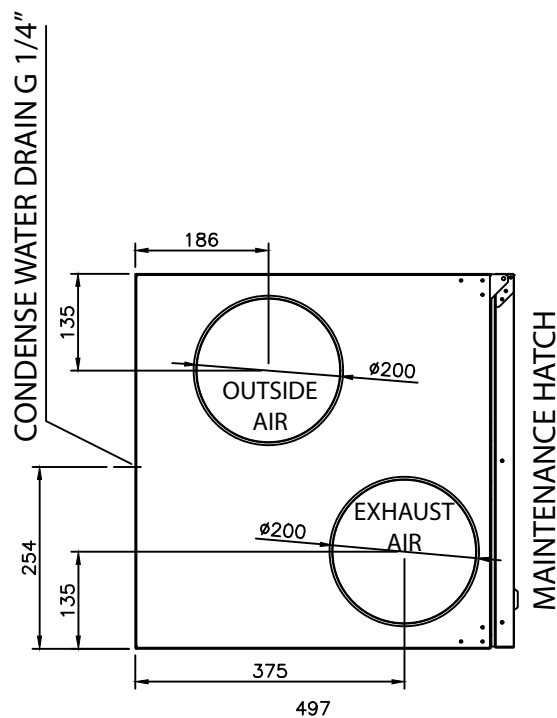
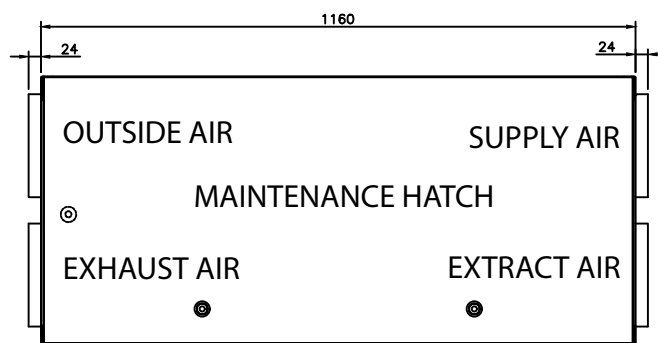
Heat exchanger type	Rotating heat exchanger
Material	Aluminium
Heat exchanger surface	71 m <sup>2</sup>
Heat exchanger dimensions	460 x 241 x 465 mm (60 µ)
Heat exchanger motor	5 W
Ventilation unit annual temperature efficiency (EN 13141-7:2010)	84,7 %
Supply air annual heat recovery efficiency* (EN 16798-3:2017)	96,8 %
Extract air annual heat recovery efficiency* (D5:2012)	84 %

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

### Other information

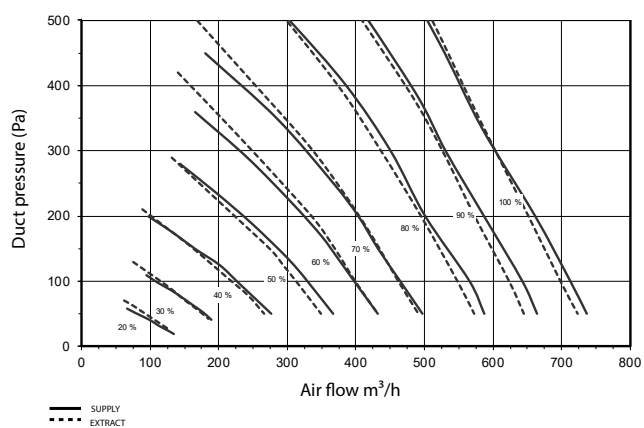
Material inside cover	Steel sheet, zinc coated
Material outside cover	Steel sheet, zinc coated
Sound level in supply air duct at fan speeds 20, 40, 60, 80 and 100 % LWA	
Standard electric after heater efficiency	2000 W
Positioning of the water-circulating after heater	built-in
Positioning of a cooling (CG) coil	in duct

## Dimension drawings



## Characteristics

LTR-5 Z supply and extract air characteristics with F7/M5 filters



## Installation

The LTR-5 Z can be installed with the service hatch facing up or to the side. Do not install the unit with the service hatch facing down or the duct connections vertically. The hatch can be used as detachable or with hinges. The placement of the hinges can be changed in accordance with the requirements of the installation site.

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