

Enervent LTR-3

COMPREHENSIVE TECHNICAL DETAILS

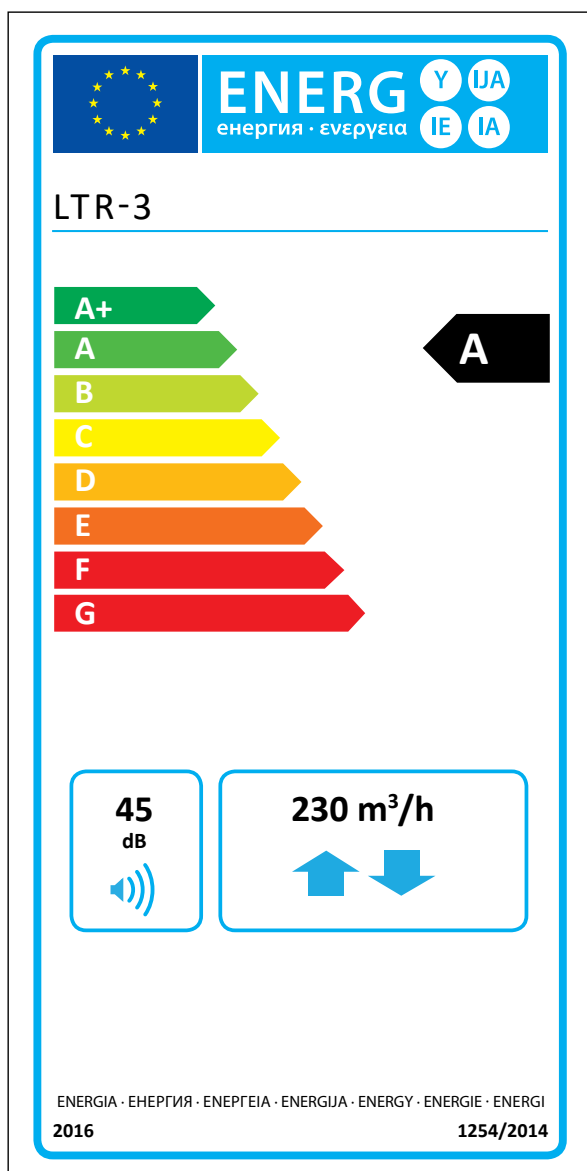


enervent

Enervent LTR-3

The Enervent LTR-3 unit is best suited for terraced houses and smallish detached houses.

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)	272 m ³ /h
Air volume flow	50...300 m ³ /h
Pressure difference	25 to 125 Pa
Leakage	external < 5% (test pressure 300Pa) internal < 5%
Duct size	Ø 160 mm
Weight	52 kg
Standard filters, 2 x plain filter	F7/M5
Filter dimensions (WxHxD)	440 x 213 x 15 mm
IP class	IP44 (external control IP20)
Condense connection	¼" internal thread
Nominal voltage	230 V
Nominal current	Motors 1.8 A total Electrical after heating 2.1 A

Fans

Supply and exhaust air fan type	Ebm-Papst
Supply and exhaust air motor type	G3G146-ED19-10
Nominal voltage	230 V (AC), EC-type with internal electronics
Type of fan blade	Radial forward
Nominal power	118 W
Acoustical data	65 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	57 m ²
Heat exchanger dimensions	370 x 200 (60 µ)
Heat exchanger motor	5 W
Ventilation unit annual temperature efficiency (EN 13141-7:2010)	78,5 %
Supply air annual heat recovery efficiency* (EN 16798-3:2017)	92 %
Extract air annual heat recovery efficiency* (D5:2012)	78,3 %

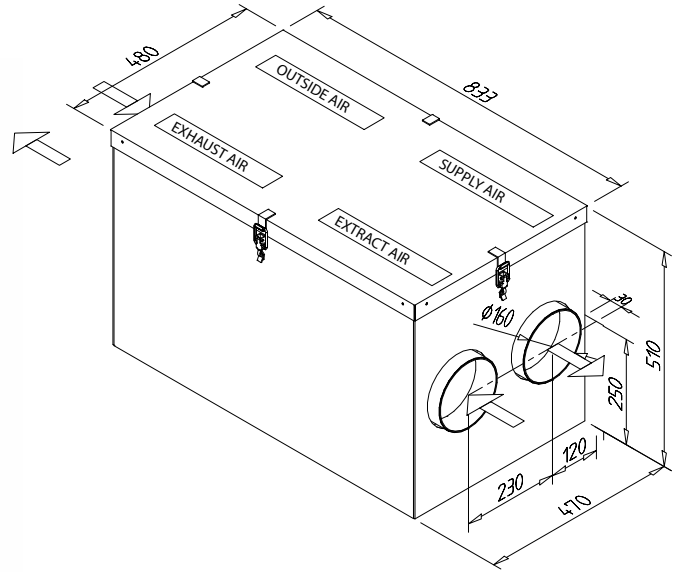
* supply air +18°C, extract air +21°C, exhaust air temperature limit -7°C

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	39, 55, 65, 72, 75 dB(A)
LPA, dB(A), 10 m ² : sound absorption	-, 32, 39, 45, 47 dB(A)
Standard electric after heater efficiency	500 W
Positioning of the water-circulating after heater	in duct
Duct heater measurements (WxHxL), mm	313x255x356
Positioning of a cooling (CG) coil	E-models built-in W-models in duct
Duct cooler measurements (WxHxL), mm	415x330x396

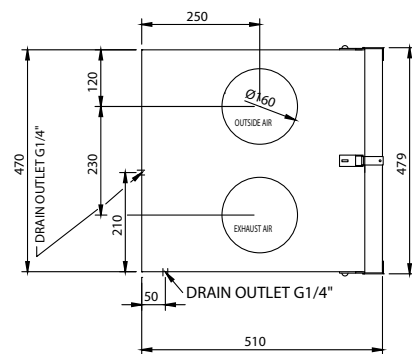
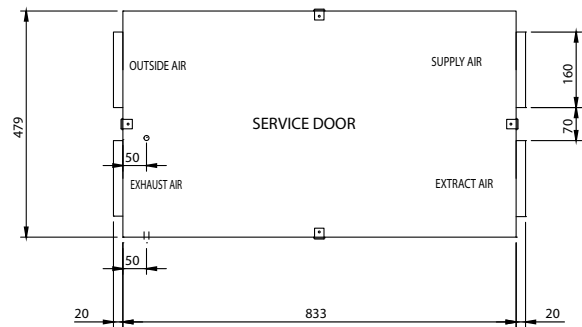
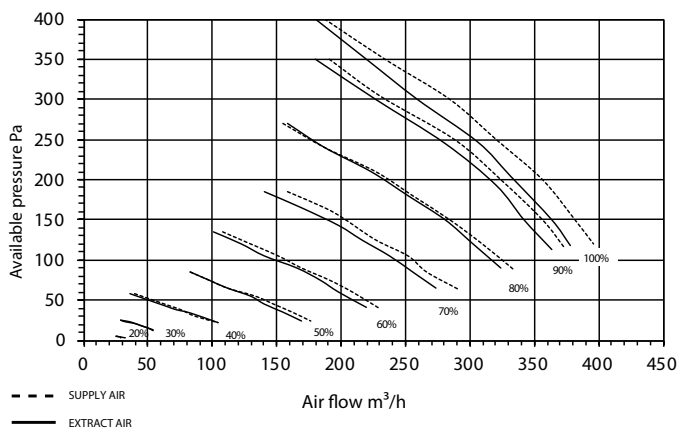


Dimension drawings



Characteristics

LTR-3 supply and extract air characteristic curves with M5/M5 filters



Installation

LTR-3 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-3 units with cooling coils must be installed with the service hatch to the side.

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