

Wall Mounted Energy Recovery Ventilation Unit





Technical Specifications

The Next Generation Decentralised Energy Recovery Ventilation, LUNOS Ne^{xx}t:

- Low energy consumption from 5W at the lowest setting of $15m^{3/h}$; up to 45W at the highest setting of $112m^{3/h}$.
- High energy recovery efficiency (two heat exchanger options to choose from: counter-flow (90%) and cross-flow (75%)).
- Whisper quiet operation, well below 20 dB for settings of up to 30m³/h.
- Clean air using standard M5 filters with the option to increase to M7 or M9 for bacteria filtration.
- USB port for firmware updating, allowing to add wireless sensors, motion detectors & switches.
- Capability to connect to Wi-Fi eg. via smartphone application control.
- Intelligent automatic sensing of humidity and temperature as standard (CO₂ sensor optional).
- Input port for addition of external switching.
- Adaptability for two room operation (employing flat-duct accessories).
- Designed for high-performance Passivhaus buildings (fully air-sealed & insulated).
- Automatic or manual close-off damper.
- Ability for retrofit application.

	Counter-flow heat exchanger	Cross-flow heat exchanger
Rated heat recovery efficiency	90%	75%
Flow rate (8 linear settings)	15 ÷ 90 m³/h	15 ÷ 112 m³/h
Power consumption (8 linear settings)	5 W Minimum - 45 W Maximum	
Supply voltage/frequency	230VAC - 50 Hz	
Measuring surface sound pressure level	< 20 dB (15 ÷ 30m³⁄h)	

Operations Manual



* only with replacement of the heat exchanger by the "summer box"

Dimensions Drawing



Installation of the ventilation system shall allow for a minimum lateral distance to walls, cupboards and/ or windows of 30 cm and a minimum vertical distance of 15 cm to floors, ceilings, bulk heads or similar.

The lateral distance ensures optimal airflow, the vertical distance ease of installation.

The ventilation system is most user-friendly if installed about 1.5 meters above finished floor level.



Installation (Passivhaus)

