# Enervent Neo

## COMPREHENSIVE TECHNICAL DETAILS

enervent

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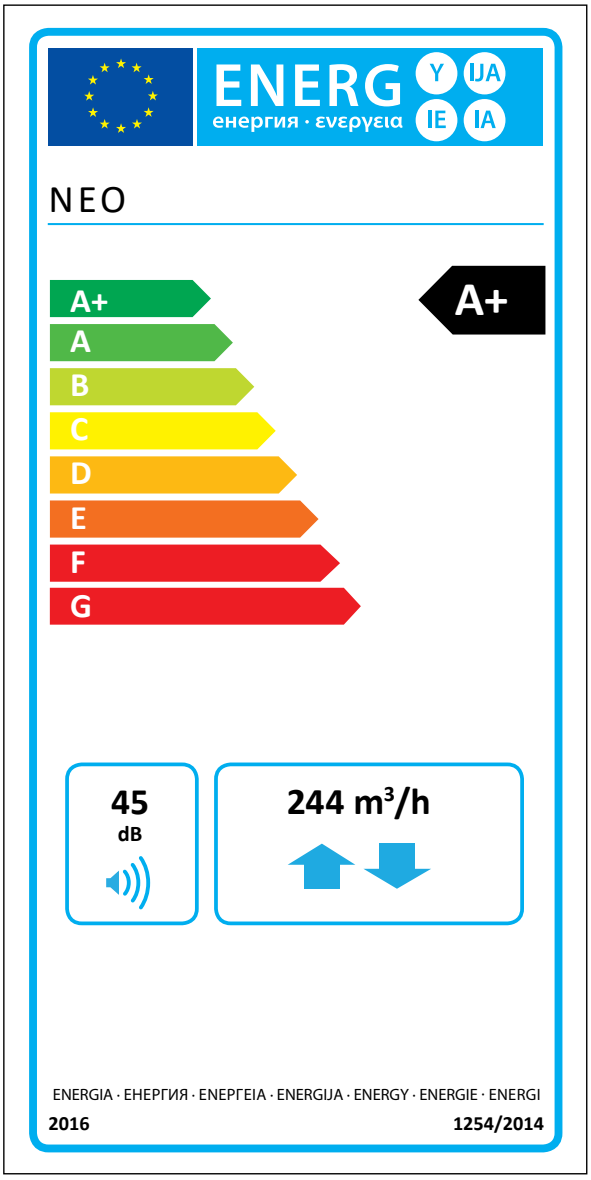
The Enervent Neo unit is best suited for medium sized detached houses or apartments. It is also well suited for public spaces, where a smallish air amount is required.
Neo is a new kind of a ventilation unit inside out. Its insulation material makes the unit very lightweight and especially energy efficient.

Lightweight and slim Neo is the only unit in the market that fits in a standard 60 cm cabinet. It is easy to place the unit out of sight without need for a separate technical space.




*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 senseors (some sold as extra equipment) in order to accieve the declared energy class.*

## Technical details

### General information

| | |
|---|---|
| Reference flow rate according to EcoDesign directive (50 Pa) | 244 $m^3/h$ |
| Air volume flow | 6...350 $m^3/h$ |
| Pressure difference | 25 to 100 Pa |
| Leakage | external < 2% (test pressure 250Pa)<br>internal < 0,5% |
| Duct size<br>Cooker hood connection | Ø 160 mm<br>Ø 80 mm |
| Weight | 58 kg |
| Standard filters, 2 x cassette filter<br>Filter dimensions (WxHxD) | F7/M5<br>456 x 227 x 25 mm |
| IP class | IP20 |
| Condense connection | ¼" internal thread |
| Nominal voltage | 230 V, 50 Hz |
| Nominal current | Motors 1.52 A total<br>After heater 4.6 A |

### Fans

| | |
|---|---|
| Nominal voltage | 230 V, 50 HZ, EC-type with internal electronics |
| Type of fan blade | Radial backwards |
| Nominal power | 83 W |
| Fan control eWind control | 4 situations (away, home, boost, timer controlled boost). In each situation both fans can be fine adjusted separately. |

### Heat recovery

| | |
|---|---|
| Heat exchanger type | Rotating heat exchanger |
| Material | Aluminium, non-hygroscopic |
| Heat exchanger surface | 76 $m^2$ |
| Heat exchanger dimensions | 435 x 200 (60 µ) |
| Heat exchanger motor | 5 W |
| Ventilation unit annual temperature efficiency (EN 13141-7:2010) | 84 % |
| Supply air annual heat recovery efficiency* (EN 16798-3:2017) | 96 % |
| Extract air annual heat recovery efficiency* (D5:2012) | 83 % |

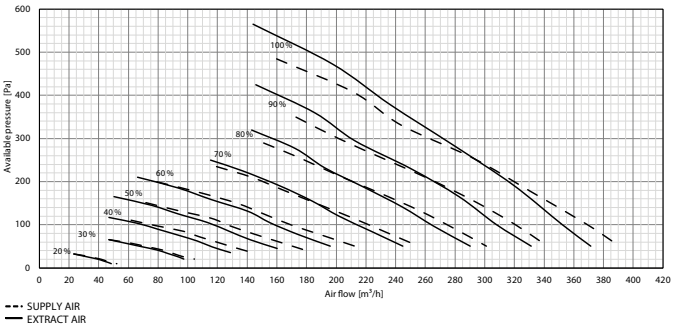
* supply air +18°C, extract air +21°C, exhaust air temperature limit -7°C

### Other information

| | |
|---|---|
| Material inside cover<br>Material outside cover | EPP, fire retardant<br>Steel sheet, zinc coated, powder painted |
| Sound level in supply air duct at fan speeds 20, 40, 60, 80 $L_{WA}$ | 29, 35, 44, 50 dB |
| $L_{pA}$, dB(A), 10 $m^2$: sound absorption | 41 dB |
| Standard electric after heater efficiency | 1050 W |

## Characteristics

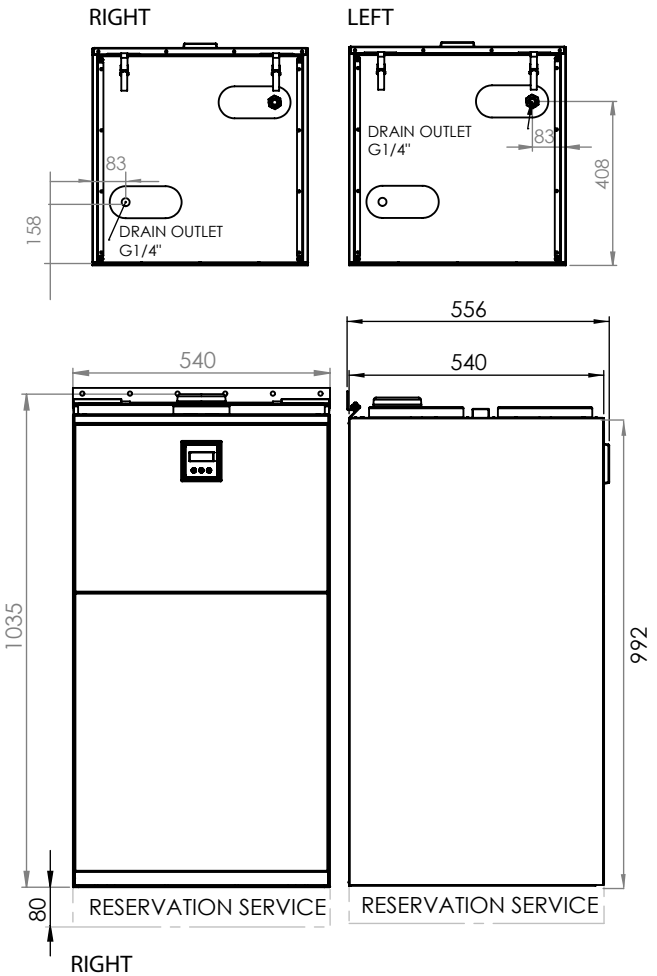
Neo supply and extract air characteristics with F7/M5 filters

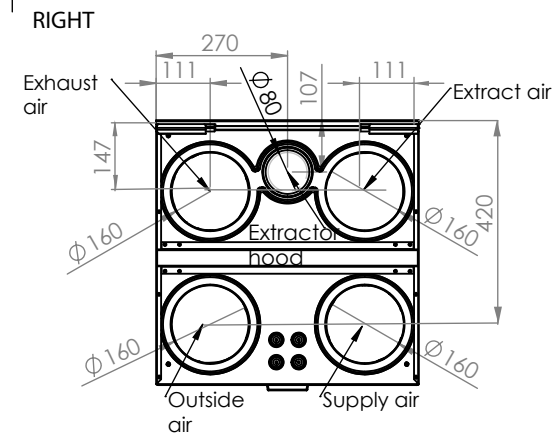


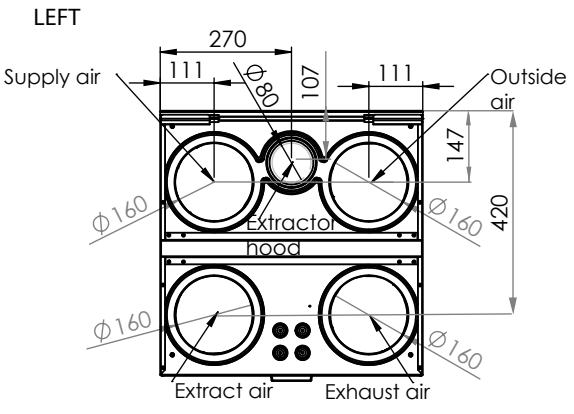

## Installation

| | | | | |
|---|---|---|---|---|
| Mounting | Floor | Wall | X | Ceiling |
| Frame alternatives | | Right | X | Left |

## Dimension drawings



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