Enervent Neo

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.

### Technical Details

#### General Information

- **Reference flow rate according to EcoDesign directive (50 Pa)**: 244 m³/h
- **Air volume flow**: 97...360 m³/h
- **Pressure difference**: 27 to 100 Pa
- **Leakage**:
  - external: < 2% (test pressure 250 Pa)
  - internal: < 0.5%
- **Duct size**: Ø 160 mm
- **Cooker hood connection**: Ø 80 mm
- **Weight**: 58 kg
- **Standard filters, 2 x cassette filter**: F7/M5
- **Filter dimensions (WxHxD)**: 456 x 227 x 25 mm
- **IP class**: IP20
- **Condense connection**: ¼” internal thread
- **Nominal voltage**: 230 V, 50 Hz
- **Nominal current**: Motors 1.57 A total, 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 m²
- **Heat exchanger dimensions**: 435 x 200 (60 μ)
- **Heat exchanger motor**: 5 W
- **Ventilation unit annual temperature efficiency (EN 13141-7:2010)**: 83 %
- **Supply air annual heat recovery efficiency***(EN 16798-3:2017)*: 96 %
- **Extract air annual heat recovery efficiency***(DS:2012)*: 82 %

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

#### Other Information

- **Material inside cover**: EPP, fire retardant
- **Material outside cover**: Steel sheet, zinc coated, powder painted
- **Sound level in supply air duct at fan speeds 20, 40, 60, 80 LWA**: 35, 52, 62, 68 dB
- **Lw,A dB(A), 10 m², sound absorption**: 41 dB
- **Standard electric after heater efficiency**: 1050 W
Characteristics

Characteristic curves for Neo supply and extract air fans with F5/M5 filter

Available pressure Pa

Air amount [m³/h]

Supply air

Extract air

Installation

Mounting Floor Wall X Ceiling
Frame alternatives Right X Left