113882EN-10
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Planning and preparation work

Balanced ventilation with heat recovery

Important information!

1. JOINER - FITTER

- **Overflow between rooms.** Implemented with a gap under doors of 20 mm up to 72 m^3/h or an overflow opening of 2.2 cm^3 per m^3air per hour. Table 624 in construction detail sheet 552 303 (Balanced ventilation in small houses) gives the recommended dimensions for overflow openings in dwellings.
- **Kitchen.** If the kitchen fan is designed with a motor, supply air must be provided to ensure negative pressure.
  The UNI range and later models allow this to a certain extent via the ventilation system, e.g. with a pressure relay which changes the unit speed when the kitchen fan starts up. Alternatively, a window or similar can be used.
  Kitchen fans with extra high capacity will require additional measures to ensure air supply.
- **Fireplace.** Airflow to fireplace of 150-300 m^3/h should be in the form of a fresh air duct directly to the fireplace (described in NBI Construction Detail Sheet A 552 135) or use a ventilated pipe.
- **Location of air handling unit.** Location of the unit on an internal wall requires sound insulation of the wall, interrupted studs and boards, and double plasterboard or a wall structure of similar quality. See Byggforsk Construction Detail Sheet 524.325 (Sound insulation properties for lightweight internal walls.) If located on external walls, interrupted boards against adjacent rooms are recommended.
  Cabinet units in wet rooms must be located outside zone 2 (minimum 0.6 m from the edge of the bath and 1.2 m from the shower head).
- **Hanging** a cabinet unit An adequate transom of min. 48x98 mm between studs is required for the bracket screws.
  For dimensions, see the installation instructions on www.flexit.com
- **Access.** The unit must have good access for service/maintenance. This applies especially in front of the door. See installation instructions for the unit.
- **Fire requirements.** Any fire safety requirements must be clarified.

2. ELECTRICIAN

- **Power supply.** The units have an approx. 2 m cable with plug and require a single-phase earth point close by. Domestic units require 10A, check specifications on website. **NB It is important for the plug/switch to be accessible for servicing when the unit is fully installed.** We recommend a separate circuit and an earth fault breaker for the unit. For permanent installation, it is possible to use a fuse in the installation network, provided that it is approved and it must be possible to secure it in the off position. Or a separate approved service switch can be installed.
  If a separate kitchen fan is used, it must have its own socket (10A) in the area above the cabinet. A signal cable to a pressure relay or a kitchen fan connected to the unit should be run in min. Ø 16 mm conduit from the unit.
- **Wiring for control switch and cabled accessories** Ø 20 mm conduit for running the control cable for controlling the unit to be laid between the unit and an easily accessible place in the home (e.g. outside the bathroom) and terminated with a control point, see instructions for the specific control system. The control cable must be located min. 30 cm away from any power cables. The control cable must be max. 24 m long to ensure a signal.
  Lay a Ø 16 mm conduit between the unit and the location of the accessory in question (kitchen fan, pressure relay, humidity sensor, etc.).
- **Conduit for intake solution.** A Ø 16 mm conduit should be laid to the air intake for providing protection (heating cable) against icing in the winter.

Nordic and EcoNordic ranges: Ø 20 mm conduit for running network cable between unit and router.

NB: Each product's installation instructions must be followed.

Attached to the confirmation or the offer based on engineering.