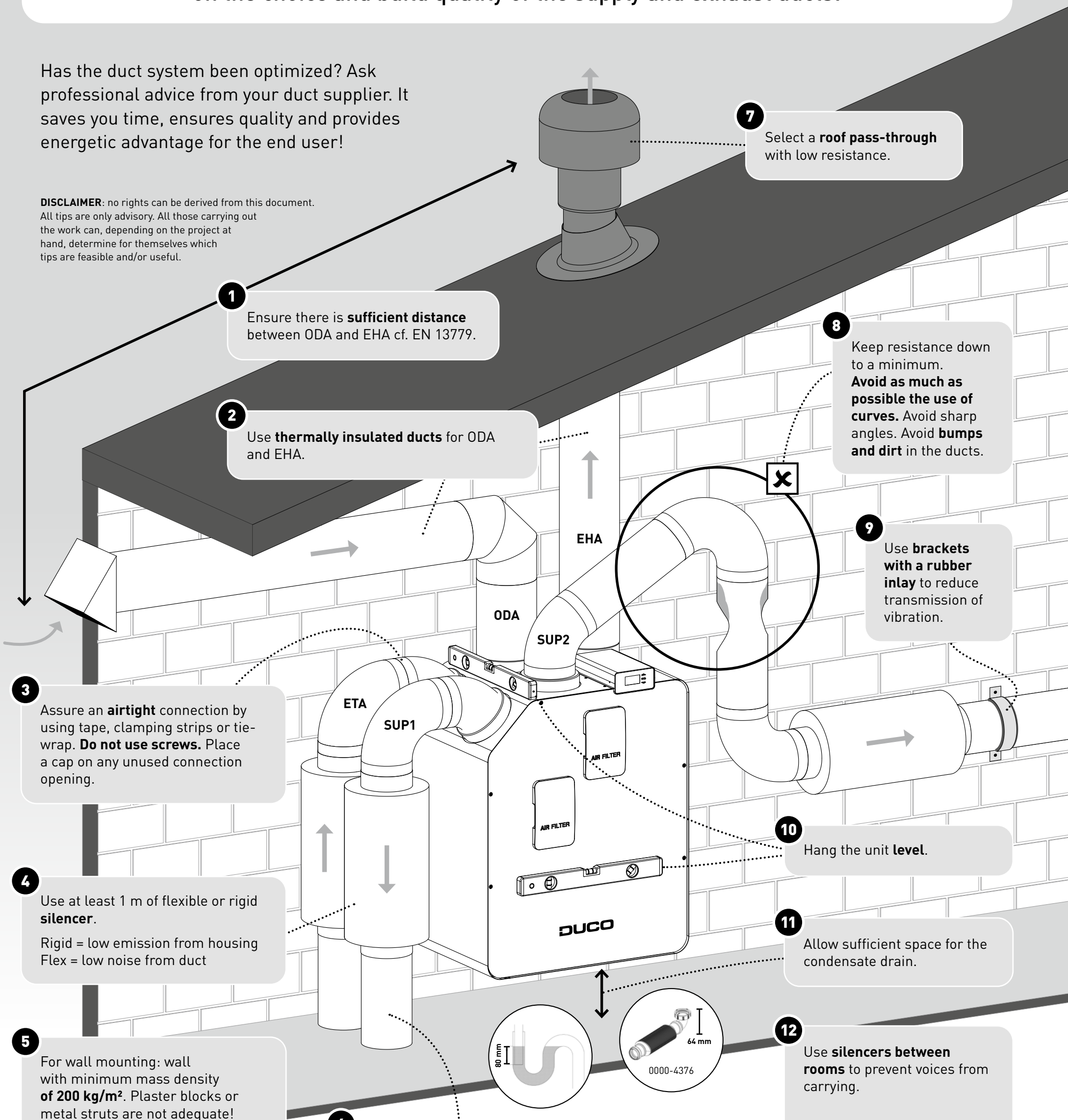
12 UNMISSABLE TIPS

The correct operation of your Duco ventilation system is entirely dependent on the choice and build quality of the supply and exhaust ducts!

Has the duct system been optimized? Ask professional advice from your duct supplier. It saves you time, ensures quality and provides energetic advantage for the end user!

DISCLAIMER: no rights can be derived from this document. All tips are only advisory. All those carrying out the work can, depending on the project at hand, determine for themselves which tips are feasible and/or useful.



1 Ensure there is **sufficient distance** between ODA and EHA cf. EN 13779.

2 Use **thermally insulated ducts** for ODA and EHA.

3 Assure an **airtight** connection by using tape, clamping strips or tie-wrap. **Do not use screws.** Place a cap on any unused connection opening.

4 Use at least 1 m of flexible or rigid **silencer**.

Rigid = low emission from housing
Flex = low noise from duct

5 For wall mounting: wall with minimum mass density **of 200 kg/m²**. Plaster blocks or metal struts are not adequate!

Use a mounting plinth if the wall is not sufficient.

6 **Duct diameter**:
∅ 160 mm to 250 m³/h / ∅ 180 mm from 250 m³/h and over or equivalent subject to calculation (e.g. with cast-in ducting)

Make sure that the total counter pressure in the ducts is as low as possible (preferably ⩽ 150Pa) and that the airspeed in every duct **does not exceed 3 m/s**.

7 Select a **roof pass-through** with low resistance.

8 Keep resistance down to a minimum. **Avoid as much as possible the use of curves.** Avoid sharp angles. Avoid **bumps and dirt** in the ducts.

9 Use **brackets with a rubber inlay** to reduce transmission of vibration.

10 Hang the unit **level**.

11 Allow sufficient space for the condensate drain.

12 Use **silencers between rooms** to prevent voices from carrying.

DUCO