

Sub Floor ventilation

The ideal situation is for air to flow across (cross-ventilation), under the house, hence ventilating that area.

In some houses there is little under floor ventilation, typical causes are:

- There are very few or no vents
- Vents are too small or often blocked
- There are vents on only one side
- There are heating ducts that block the flow of air.

Fan assisted ventilation will help in these cases, provided a few simple rules are followed:

Place the fans and inlets to achieve good cross-ventilation, this may need more than one fan and or multiple inlets strategically placed.

It is best to run fans during the day as the air is dryer and warmer

Running the fan for about 4 hours in the middle of the day is usually enough. More or less and different hours can also be done to suit individual requirements

It is best to extract air from under the house as blowing air in may result in some of the moist air getting into the house.

Please note that good ventilation will minimise moisture accumulation. It is a good idea to also identify the cause of water accumulation and try to resolve that issue.

Most fans will need a standard 240V power point. Wall mounted subfloor fans are usually 12v and typically use a transformer so they also need a power point.

Running costs (electricity usage) are typically low. Assuming running the fan for 4 hours a day, 365 days in the year would typically cost from about \$10 to \$60 per year, depending on the type of fan used.

One option for subfloor fans is a low voltage (12V) fan. These fans can replace a vent (and some bricks) and they are ideal where there is no access to the under floor. They can take a short length of duct and can do smaller areas. The fan will need a transformer (included) which is connected to a power point

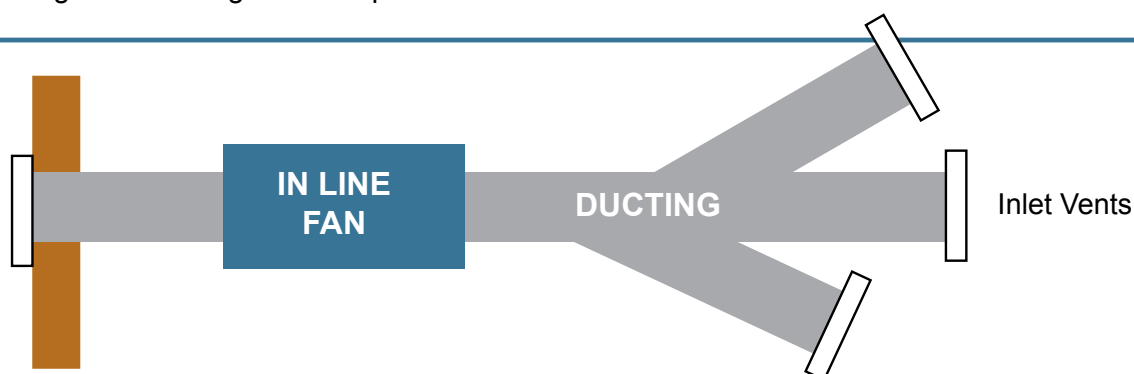
A typical system consists of a wall fan and optionally some ducting



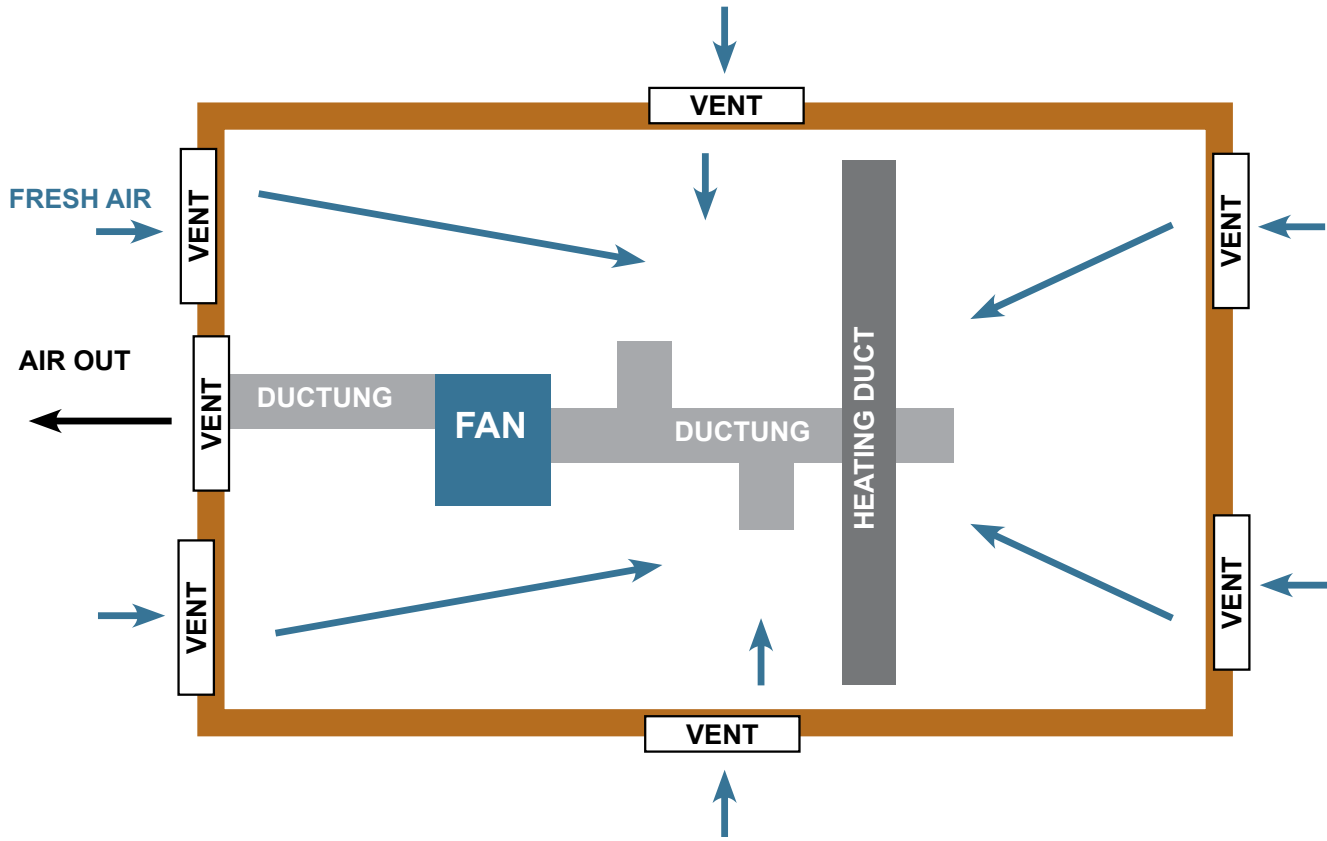
← Optional Ducting

Multiple fans can be used, depending on the size of the area under the house and lengths of ducting required.

The most powerful option is to use a centrifugal in-line fan. It can be installed anywhere along the ducting and can be connected to a single inlet or to various inlets. This type of fan will move a large amount of air with long lengths of ducting and multiple vents connected to it.



Inline Fan With Multiple Inlets (Subfloor Kits)



Wall Mounted Sub Floor Fan

