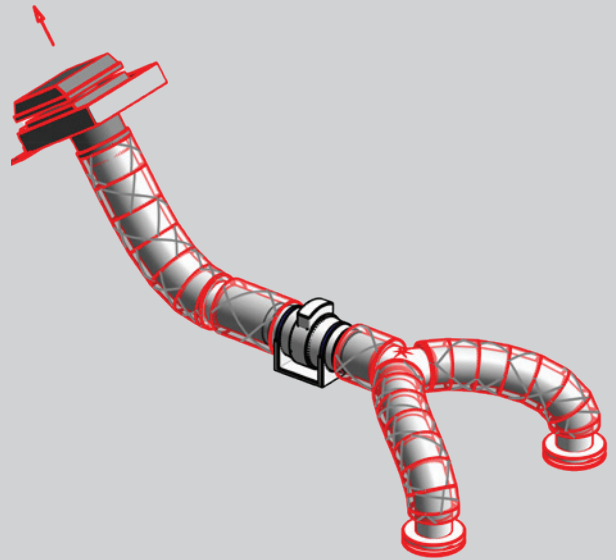


NBR CoolBox Kits

- Designed and manufactured in the UK
- Fully boxed solution to help combat overheating in dwellings
- On-demand overheating extraction.
- Sound levels complying with Part F Building Regulations
- 20l/s, 30l/s, and 50 l/s solutions
- Roof terminations not included but must not exceed 5pa of resistance at the relevant duties
- Passive supply replacement air option
- Local room control via remote switches or in room temperature sensors (by others)
- Easy to commission with predetermined speeds



Ducted Ventilation

Vent-Axia has designed a complete all in one boxed solution to help satisfy overheating requirements in dwellings, whilst achieving low sound levels with a range of kits that include energy efficient Mixed Flow In-Line fans that are now quieter, offer two and half times the pressure of conventional axial fans and are dimensionally more compact making them ideal for overheating extraction.

Motors

The motor speed is selected on installation as per the Installation Guidance Sheet, motors are fitted with Standard Thermal Overload Protection (S.T.O.P.). All sizes with capacitor run motors. All sizes are Class II appliances. Supply voltage 220-240V/1/50Hz.

Installation

These units have a separate footplate for simple mounting and detachable spigots for simple connection to ducting. The motor body chassis rotates to provide connection in acute spaces. Cleaning the product is simple as all parts can be removed without removing the ducting.

Models

Coolbox kits

Coolbox Inline Fan with Acoustic Mat, Insulated Ducting, Acoustic Flexible Duct, Worm Drive Clips, Backdraught Shutter, Y-Piece (30 and 50 Kits only), Extract Diffuser and Roof Termination by others.

Model	Stock Ref	Airflow
NBR CoolBox 20	412258	20l/s
NBR CoolBox 30	412259	30l/s
NBR CoolBox 50	412260	50l/s

Passive kit

Insulated Flexible Duct 3m, Backdraught Shutter, Reducer, Supply Diffuser, Worm Drive Clips and Roof Termination by others.

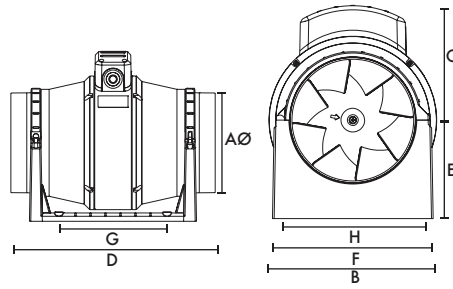
Model	Stock Ref	Airflow
NBR Passive Duct Kit	412261	>60l/s

Sound Data and Performance Guide

The sound data is based on the kits provided and an external roof vent supplied by others that conforms to at least 90% effective free area of the size of duct being used.

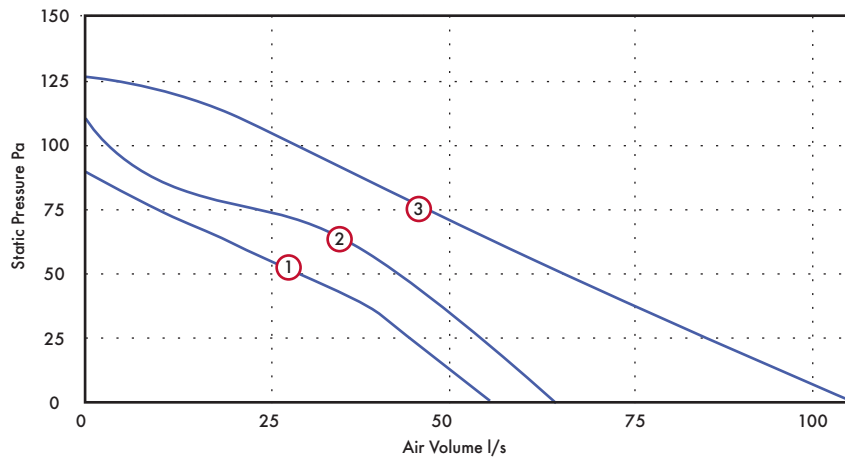
This equates to $\geq 15,537\text{mm}^2$ for the NBR CoolBox 50/Passive Duct kit and for the NBR CoolBox 20/30 $\geq 11,039\text{mm}^2$. The pressure of the roof vent must not exceed more than 5pa for the NBR CoolBox 50/Passive Duct kit and must not exceed more than 5pa for the NBR Coolbox 20/30 to provide the below sound levels and assurances of flow rate at the valve.

Dimensions (mm)



Model	NBR CoolBox 20/30	NBR CoolBox 50
AØ	122	147
B	178	200
C	124	138
D	259	350
E	96	118
F	168	192
G (fixing hole)	120	162
H (fixing hole)	153.5	178

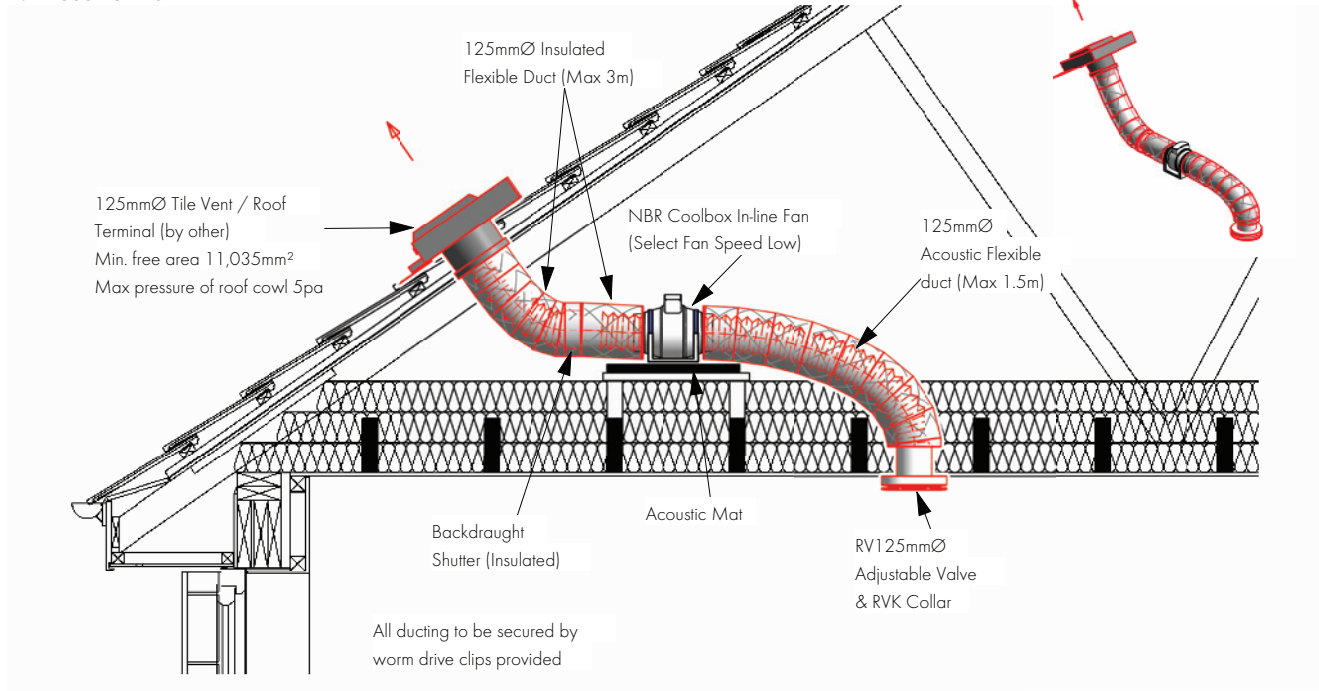
Sound Data and Performance Guide



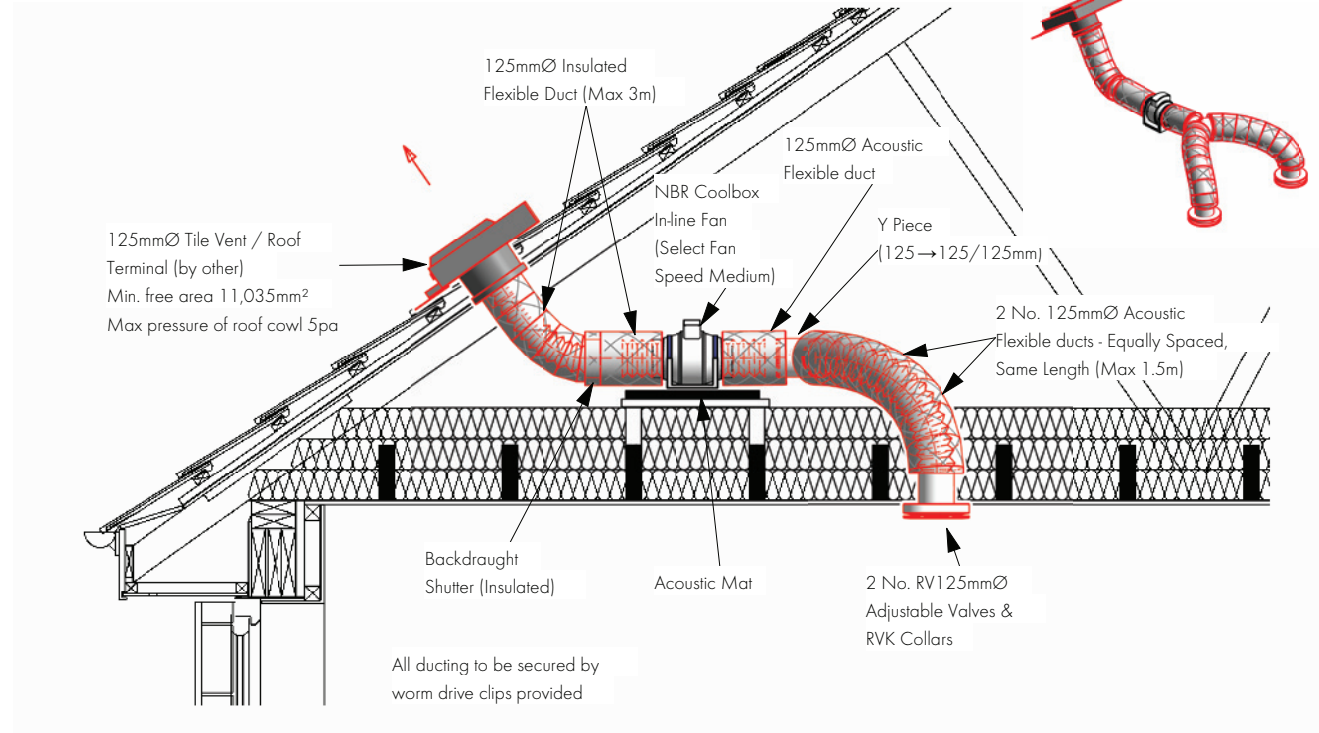
Model	Stock Ref	Flow Rate l/s	Dia mm	Speed	IP Rating	Curve Ref	Motor kW	F.L.C Amps	Estimated noise at 3m valve/s dB(A)
NBR CoolBox 20	412258	20	125	Low	IP44	1	0.03	0.12	25
NBR CoolBox 30	412259	30	125	Medium	IP44	2	0.03	0.12	22
NBR CoolBox 50	412260	50	150	Low	IP44	3	0.05	0.21	30
NBR Passive Duct Kit	412261	>60	150	n/a	n/a	n/a	n/a	n/a	n/a

Installation Examples

NBR CoolBox 20

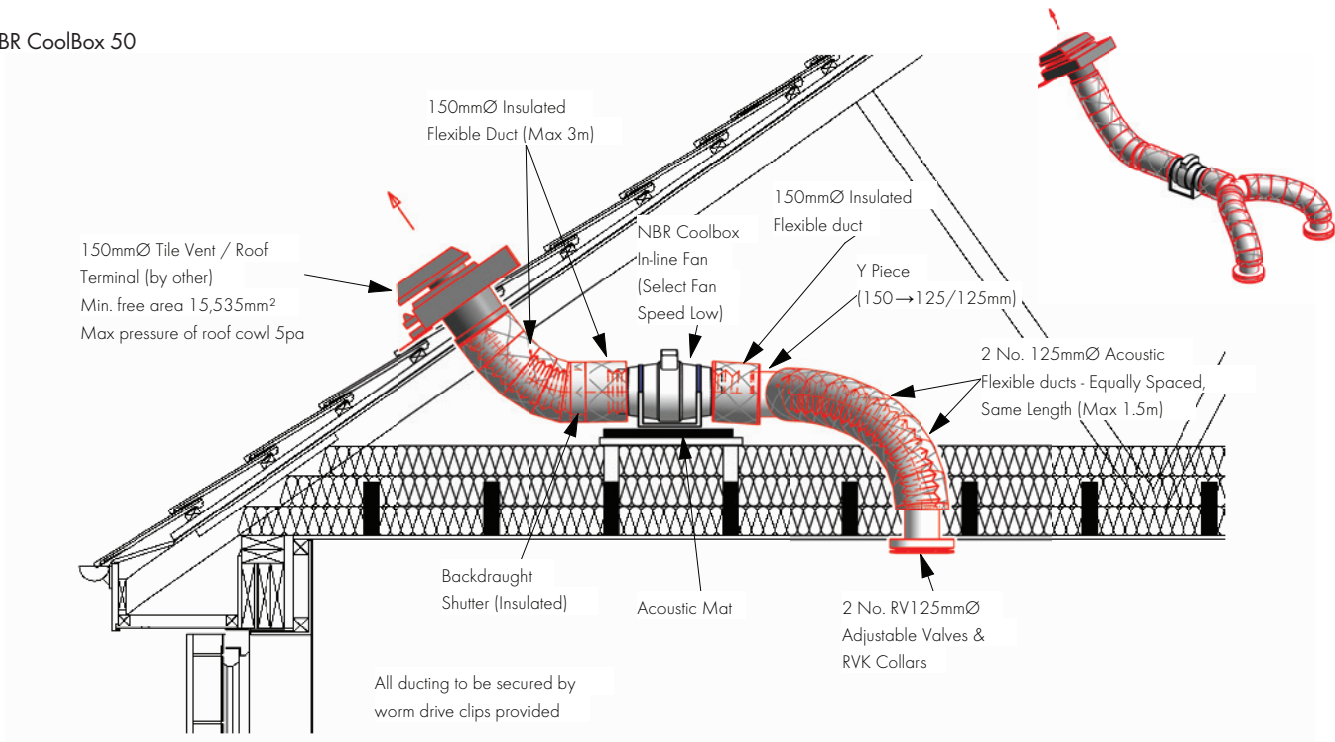


NBR CoolBox 30



Installation Examples

NBR CoolBox 50



NBR Passive Duct Kit

