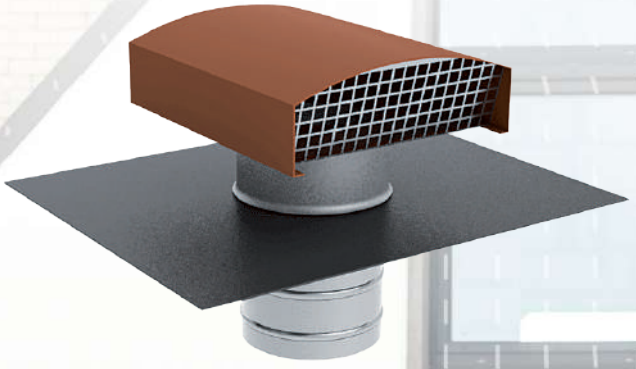
anjos
inspirer le bien-être

CTM

Ø 125 to 630 mm

Metal
Air supply and exhaust
Two colours: terracotta or slate

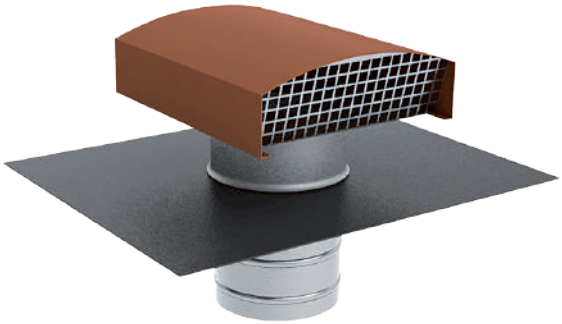


CTM

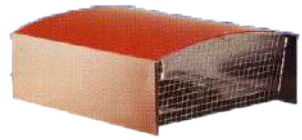
- Designed for easy installation: detachable rain cap, malleable lead flashing, and support plate (dia. 200 mm models and up)
- Fit on virtually any tile or slate roof and prevent water penetration
- Choice of two colours: terracotta or slate

Presentation

These roof vents supply and exhaust air in systems that use mechanical extract ventilation (single and dual flow MEV systems, air handling and conditioning systems, cooker hoods).



CTM roof vents fit on virtually any tile or slate roof and feature malleable lead flashing to prevent water penetration.
They are available in two colours: terracotta or slate.



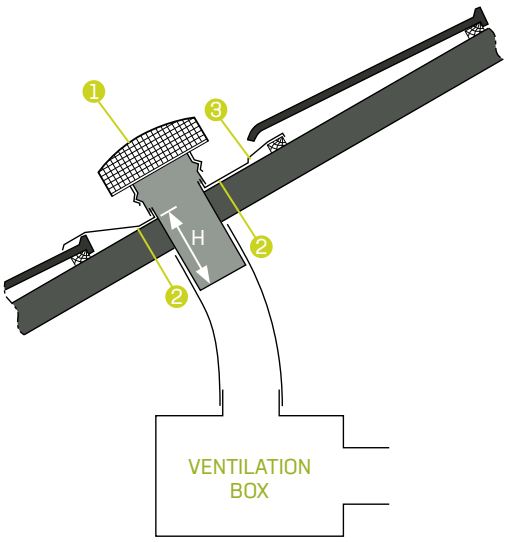
Terracotta

Slate

Installation

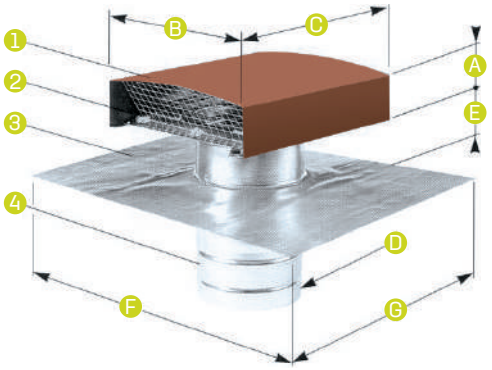
CTM 125 and 160

To avoid dirt on the surrounding tiles, il is recommended to apply patina oil on the lead sheet before installation.
Detach the rain cap ❶ clipped onto the sleeve.
Shape the lead flashing ❸ by moulding it against the surface of the roof (avoid pressing on the edges of the crimping).
In the case of a tile roof, lay shims in the direction of the battens to support the lead flashing at points ❷ .
Fit the rain cap with the flow of air perpendicular to the pitch of the roof (see figure below).



❶ Precoated aluminium rain cap
❷ Protective screen

Water may leak in through the roof vents if they are fitted on roofs exposed to wind loads and are used to supply air or are used intermittently. It is therefore important to check the seals between the pipe and the ventilation box and the pipe and the roof vent.



The metal sheath ❹ that fits into the vent pipe is rigidly connected to the malleable lead flashing ❸ .
The rain cap ❶ is detachable for easier installation and maintenance. The screens ❷ protect the openings from birds and rodents.

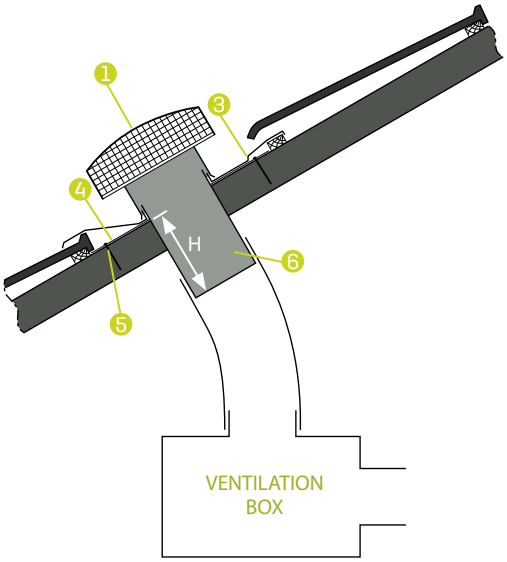
❸ Lead flashing
❹ Galvanised steel connection pipe

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Weight (kg)
CTM125	55	203	247	125	82	500	390	140	4
CTM160	60	252	300	160	82	500	390	140	4

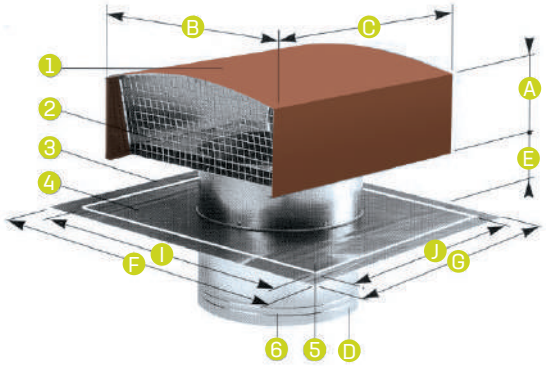
CTM 200 to CTM 630

To avoid dirt on the surrounding tiles, il is recommended to apply patina oil on the lead sheet before installation. Remove the rain cap 1 by removing the four screws (two screws on CTM 200 - 250 - 315). Attach the support plate 4 to the roof frame using the maximum number of holes 5 provided. Shape the lead flashing 6 by moulding it against the surface of the roof (avoid pressing on the edges of the crimping). Fit the rain cap with the flow of air perpendicular to the pitch of the roof (see figure opposite); **Re-insert and tighten all the attachment screws.** Insert the metal sheath 6 into the vent pipe.

Water may leak in through the roof vents if they are fitted on roofs exposed to wind loads and are used to supply air or are used intermittently. It is therefore important to check the seals between the pipe and the ventilation box and the pipe and the roof vent.



1 Precoated aluminium rain cap
2 Protective screen
3 Lead flashing



The metal sheath 6 that fits into the vent pipe is rigidly connected to both the support plate 4 that attaches to the roof frame and the malleable lead flashing 3

The rain cap 1 is detachable for easier installation and maintenance. The screens 2 protect the openings from birds and rodents.

4 Support plate under lead flashing
5 Holes for attaching to the roof frame
6 Galvanised steel connection pipe

	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	Weight (kg)
CTM 200	100	335	397	200	82	590	590	140	380	500	8
CTM 250	100	335	397	250	82	590	590	140	380	500	8
CTM 315	112	382	498	315	82	590	590	140	380	500	9
CTM 355	205	550	660	355	160	900	750	215	580	750	17
CTM 400	205	550	660	400	160	900	750	215	580	750	17
CTM 450	205	550	660	450	160	900	750	215	580	750	17
CTM 500	247	650	900	500	160	1200	1000	215	780	997	34
CTM 630	321	770	1000	630	160	1200	1000	215	780	997	36

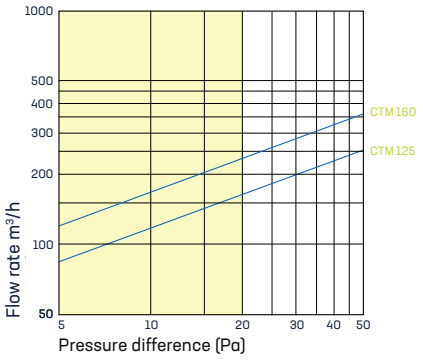
Characteristics

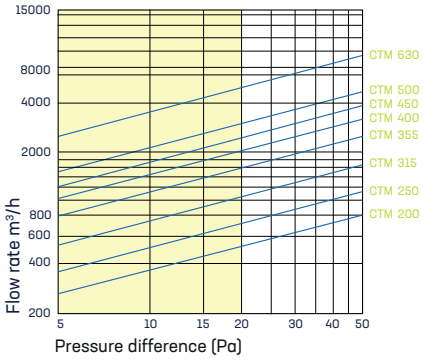
Airflow

The design of these roof vents makes them virtually immune to atmospheric turbulence. Their initial air flow characteristics are only slightly affected by high winds.
It is absolutely necessary to factor in the pressure drop of the roof vent when calculating its size as a function of the maximum possible flow rate.

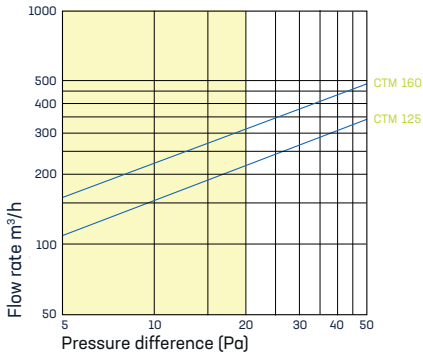
The curves below show changes in the flow rates (air supply and exhaust) as a function of the pressure differential, expressed in Pascals.

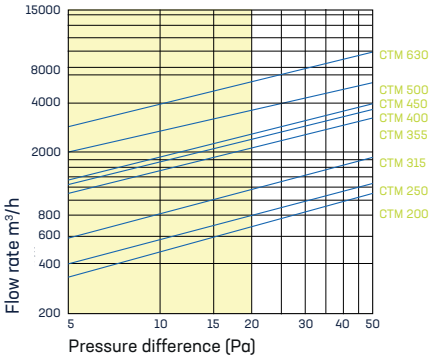
AIR EXHAUST





AIR SUPPLY





CETIAT* test reports 2330873

*Centre Technique des Industries Aérauliques et Thermiques (Technical Center for Air and Thermal Industries)

The tables below give the recommended maximum flow rates at 20 Pa for each roof vent as well as the cross-sections of the air channels in the pipes and through the screens.

	Flow rate 20 Pa in m³/h	
	Air exhaust	Air supply
CTM 125	165	215
CTM 160	230	310
CTM 200	510	685
CTM 250	710	795
CTM 315	1035	1145
CTM 355	1565	2080
CTM 400	2000	2345
CTM 450	2410	2535
CTM 500	2930	3560
CTM 630	4925	5310

	Airflow cross section in cm²	
	Pipe ID	At the screens
CTM 125	117	186
CTM 160	174	262
CTM 200	298	544
CTM 250	460	544
CTM 315	740	822
CTM 355	913	2081
CTM 400	1198	2081
CTM 450	1532	2081
CTM 500	1899	2602
CTM 630	2856	4078

Product codes

Description	Terracotta	Slate
CTM 125	**6005**	**6055**
CTM 160	**6007**	**6057**
CTM 200	**6011**	**6061**
CTM 250	**6012**	**6062**
CTM 315	**6013**	**6063**

Description	Terracotta	Slate
CTM 355	**6014**	**6064**
CTM 400	**6015**	**6065**
CTM 450	**6016**	**6066**
CTM 500	**6017**	**6067**
CTM 630	**6018**	**6068**