

ROOF VENTS

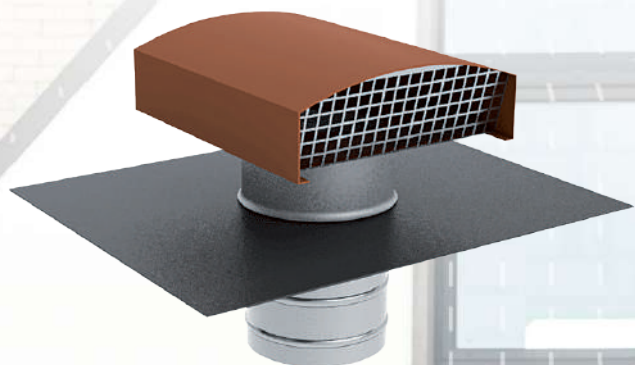
CTM

Ø 125 to 630 mm

Metal

Air supply and exhaust

Two colours: terracotta or slate

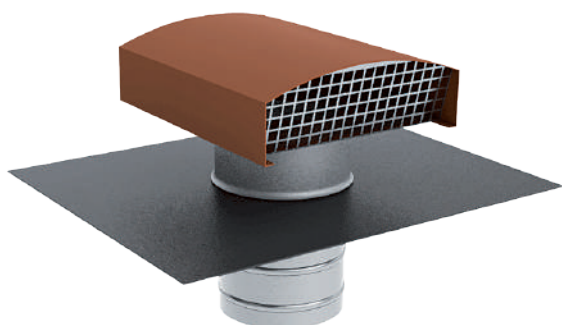


CTM

- 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

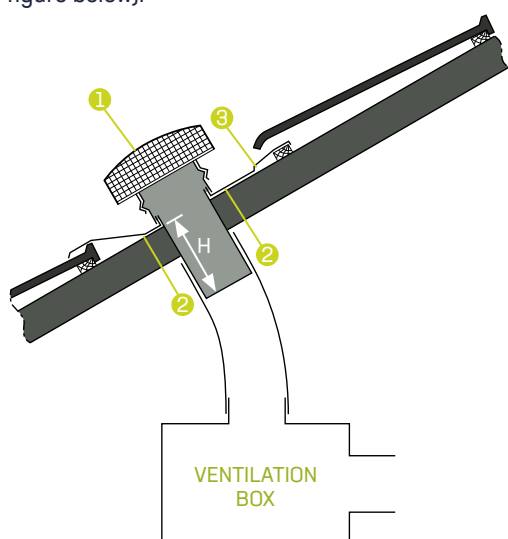


Slate

Installation

CTM 125, 150 et 160

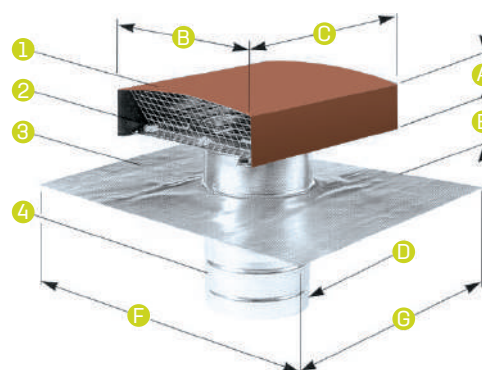
To avoid dirt on the surrounding tiles, it is recommended to apply patina oil on the lead sheet before installation. Detach the rain cap ① clipped onto the sleeve. Shape the lead flashing ③ by moulding it against the surface of the roof (avoid pressing on the edges of the crimping). In the case of a tile roof, lay shims in the direction of the battens to support the lead flashing at points ②. Fit the rain cap with the flow of air perpendicular to the pitch of the roof (see figure below).



- ① Precoated aluminium rain cap
- ② 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 ④ that fits into the vent pipe is rigidly connected to 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.

- ③ Lead flashing
- ④ 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
CTM150	60	252	300	150	82	500	390	140	4
CTM160	60	252	300	150*	82	500	390	140	4

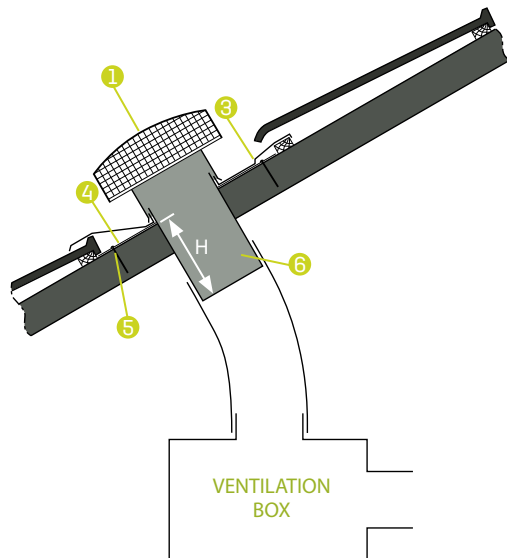
* with seal diameter 150 mm to 160 mm

CTM 200 to CTM 630

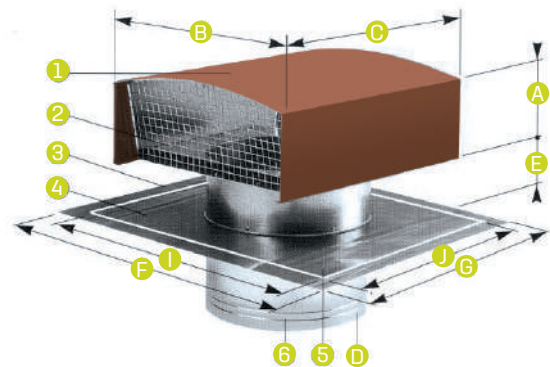
To avoid dirt on the surrounding tiles, it is recommended to apply patina oil on the lead sheet before installation. Remove the rain cap ① by removing the four screws (two screws on CTM 200 - 250 - 315). Attach the support plate ④ to the roof frame using the maximum number of holes ⑤ provided. Shape 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**



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



- 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

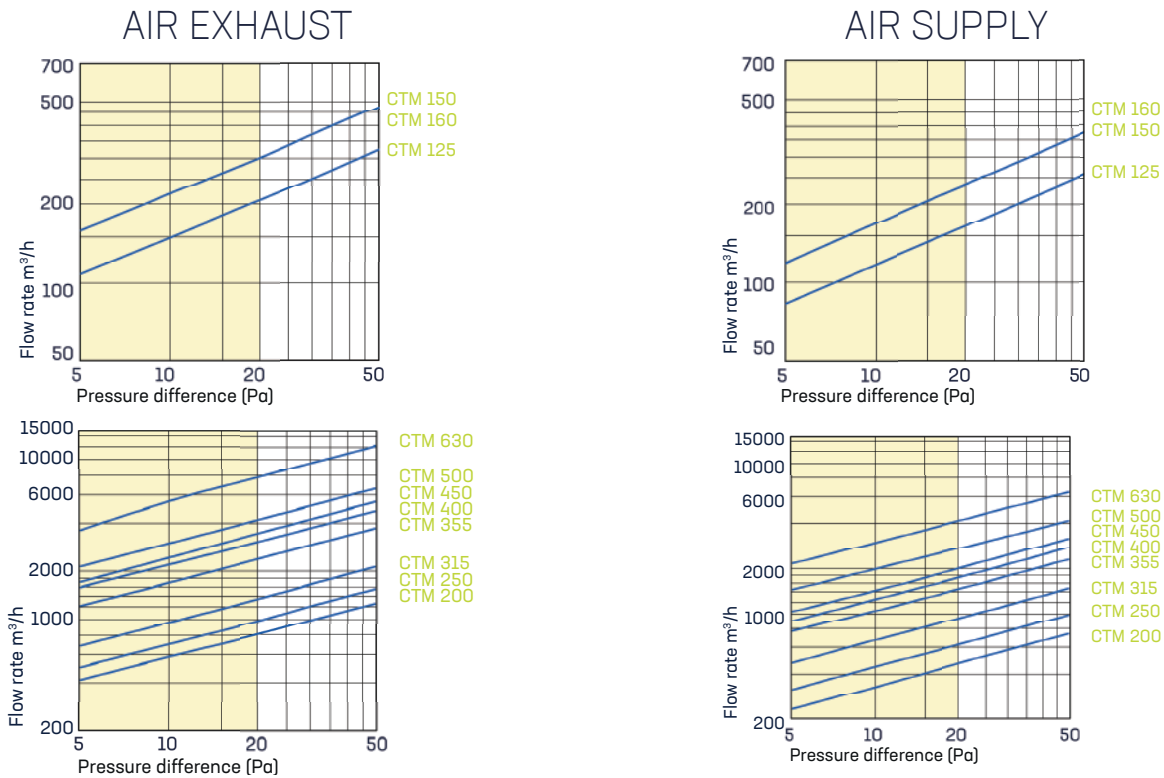
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	Weight (kg)
CTM 200	100	335	397	200	82	590	590	140	380	500	8
CTM 250	100	335	397	250	82	590	590	140	380	500	8
CTM 315	112	382	498	315	82	590	590	140	380	500	9
CTM 355	205	550	660	355	160	900	750	215	580	750	17
CTM 400	205	550	660	400	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.



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			Airflow cross section in cm²	
	Air exhaust	Air supply		Pipe ID	At the screens
CTM125	210	160	CTM125	117	186
CTM150	300	230	CTM150	174	262
CTM160	300	230	CTM160	174	262
CTM200	810	470	CTM200	298	544
CTM250	990	620	CTM250	460	544
CTM315	1340	930	CTM315	740	822
CTM355	2300	1460	CTM355	913	2081
CTM400	3040	1740	CTM400	1198	2081
CTM450	3510	2000	CTM450	1532	2081
CTM500	4210	2740	CTM500	1899	2602
CTM630	7730	4200	CTM630	2856	4078

Product codes

Description	Terracotta	Slate	Description	Terracotta	Slate
CTM125	6005	6055	CTM355	6014	6064
CTM150	6006	6056	CTM400	6015	6065
CTM160	6007	6057	CTM450	6016	6066
CTM200	6011	6061	CTM500	6017	6067
CTM250	6012	6062	CTM630	6018	6068
CTM315	6013	6063			