4 wings roof attic ventilator with insulated base for flat roof (suitable for membranes)
OPTI-iM412

The OPTI-iM412 attic vent is designed for flat roofs and offers the space to adhere to the roof membrane to the entire round of the cube. This concept allows for better sealing around the opening made for the location of the vent. The finned design and its openings allow for optimal ventilation of the attic. The inside of the base is insulated which prevents the risk of condensation. The ventilation power of this vent depends on several factors including space in the attic as well as soffit being present or not. Under ideal conditions this vent has the capacity to ventilate from 100 to 350 sq. ft. It is always recommended to place a retantion tray on the insulation under the vent.

Advantages

Optimizes and regulates evenly the ventilation of the attic
Facilitates the evacuation of heat and condensation
Preserves the integrity of the attic materials
Simple to install
Screws included
Anti-gust deflector
No maintenance and noise free

Colours

Standard colours available: brown, grey, black and white. Other colours available on special order (additional fee).

Norms

CSA Certified
The National Building Code requires adequate ventilation of the roof as per the minimum standard of Section 9.19.1 or according to the ACNOR CAN3-A93-M82.
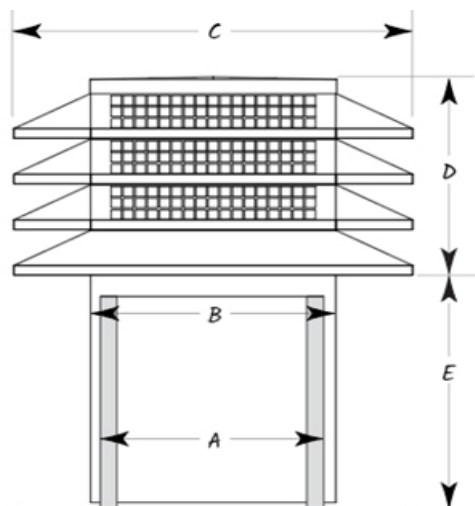
Use

Ventilation is required by the Canadian Building Code. A good ventilation means keeping the attic space near the outside temperature to avoid excessive contrasts. With the help of soffits, for example In summer, the chimney effect created by the Optimum ventilator eliminates excess heat from the attic and thus helps maintain the integrity of the asphalt shingles. In winter, you will get a drier attic. No matter what the season, Optimum Ventilators will help to optimize the comfort of your home!

CHART OF VENTILATION			
*INDICATIVE CHARTER			
PRODUCT	NET VENTILATION AREA BETWEEN ROOF DECK AND INSULATION		
	6 in. and less	7 in. to 12 in.	13 in. to 24 in.	25 in. and more
OPTI-iM412	144 sq.ft.	151 to 250 sq.ft.	251 to 350 sq.ft.	351 to 450 sq.ft.

Characteristics

The vent is manufactured from galvanized steel followed by a specialized baked paint finish.

PRODUCT	DIMENSIONS					EVACUATION	NUMBER OF DEFLECTORS	STEEL GAUGE USED
	A	B	C	D	E			
OPTI-iM412	27,9 cm • 11”	30,4 cm • 12”	52 cm • 20,5”	25,4 cm • 10”	27,9 cm • 11”	0,07 m² • 110,25 in.²	4	24 & 26
OPTI-iM414	33 cm • 13”	35,6 cm • 14”	57,2 cm • 22,5”	25,4 cm • 10”	34,2 cm • 13,5”	0,10 m² • 156,25 in.²	4	24 & 26
OPTI-iM516	38,1 cm • 15”	40,6 cm • 16”	62,2 cm • 24,5”	31,7 cm • 12,5”	40 cm • 15,75”	0,13 m² • 210,25 in.²	5	24 & 26
OPTI-iM518	43,1 cm • 17”	45,7 cm • 18”	67,3 cm • 26,5”	31,7 cm • 12,5”	42,5 cm • 16,75”	0,17 m² • 272,25 in.²	5	24 & 26
OPTI-iM620	48,2 cm • 19”	50,8 cm • 20”	72,4 cm • 28,5”	37,5 cm • 14,75”	42,5 cm • 16,75”	0,22 m² • 342,25 in.²	6	24 & 26
OPTI-iM622	53,3 cm • 21”	55,8 cm • 22”	77,5 cm • 30,5”	37,5 cm • 14,75”	42,5 cm • 16,75”	0,27 m² • 420,25 in.²	6	24 & 26
OPTI-iM724	58,4 cm • 23”	60,9 cm • 24”	82,6 cm • 32,5”	43,8 cm • 17,25”	43,2 cm • 17”	0,32 m² • 506,25 in.²	7	24 & 26

Custom model

Custom models are available as special order. *We can manufacture any other size on request.

Options

This model is available with or without a filter.
For a ventilator with a filter, we recommend installing a water collection tray (OPTI-PAN).

Important Note:
It is mandatory to use an Opti-Pan containment tray for the installation of all ventilators installed using the passive method, without air intake from the wall or soffit, at all times.

Warranty

The consumer must ensure that this product is appropriate for the intended use. Since the installer's skills and surface conditions are independent of the manufacturer's control, we limit our liability to the replacement of defective equipment only if proof of purchase can be provided. Free on board (FOB factory).