

Ventilation grille V3

DESCRIPTION OF THE MATERIAL

Aluminum is a malleable, silver-colored metal that is notable for its resistance to oxidation and low density. This resistance to corrosion and its remarkable lightness have made it a widely used material in industry. Aluminum can be recycled indefinitely, making it one of the most recycled metals in the world.



GENERAL CHARACTERISTICS

- Mounted in the collar, with no visible screw holes
- Removable core for easy installation and maintenance
- Extruded aluminum construction and mechanical mounting

Linear bar ventilation grilles are ideal for supplying heated, ventilated, or cooled air, as well as for returning or exhausting ambient air. The V3 grille stands out for its sleek design, high durability, ease of installation, and easy access to ducts for cleaning and maintenance. These grilles feature a concealed fastening system with no visible screws for a clean look. The frame is secured with screws hidden in the collar, while the removable core is held securely in place by sturdy spring clips, eliminating any risk of vibration or rattling.

The grilles offer reliable performance, capable of handling temperature differences of up to 25°F (14°C), with low targeted air displacement of 35 fpm (0.18 m/s AND 10.7 m/min) in occupied areas. They operate efficiently with air loads of 1 to 2.5 CFM (0.47 to 1.18 L/s ET 28 to 71 m³/h), while maintaining a noise level between NC 25 and NC 35 (25 to 35 dB(A)).

VARIOUS POSSIBILITIES

The center of the ventilation grilles is removable, allowing for easy color combinations.



Black



White



Brushed and lacquered



Metallic brown

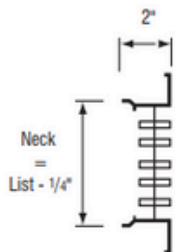
*Please note that the colors shown may differ slightly from the actual colors due to variations in display rendering.

INSTALLATION

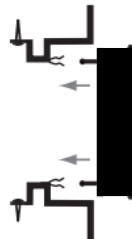
Secure the frame in the plenum with the screws provided



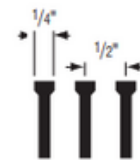
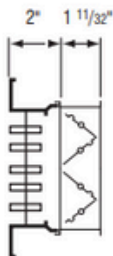
Grille only



Insert the removable core into the spring clips



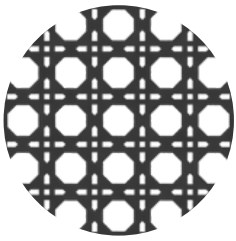
Grille + OBD



Linear pattern

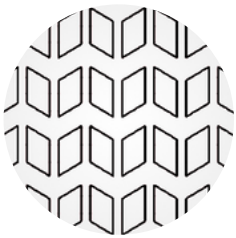
*All dimensions are in inches. V3 series products have a thermal expansion tolerance of 1/32" based on a temperature differential of +40°F. For each differential of +20°F above +40°F, reduce the specified length requirement by 1/64" per 5 feet of length.

TECHNICAL PROPERTIES



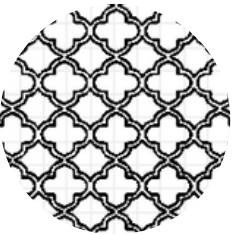
Rattan

- Estimated free area : 63.5%
- CFM air intake (return) : 44 to 71 CFM
- CFM air outlet (blower) : 71 to 106 CFM



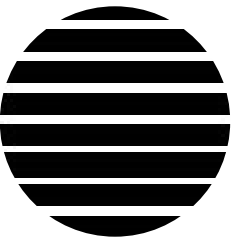
Chevron

- Estimated free surface area : 66.1%
- Air intake CFM (return) : 46 to 73 CFM
- Air outlet CFM (blowing) : 73 to 110 CFM



Morocco

- Estimated free surface area : 64.6%
- Air intake CFM (return) : 45 to 72 CFM
- Air outlet CFM (blowing) : 72 to 108 CFM



Linear

- Estimated free surface area : 77.3%
- Air intake CFM (return) : 54 to 86 CFM
- Air outlet CFM (blowing) : 86 to 129 CFM

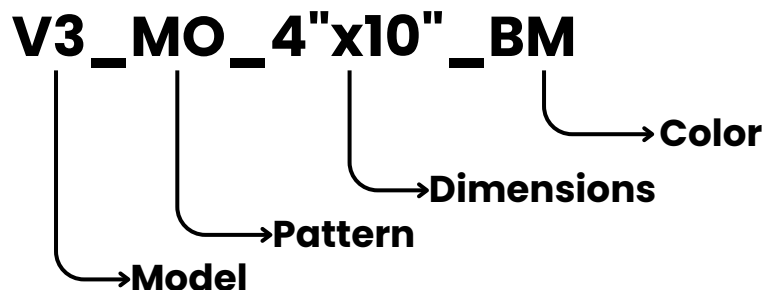
TECHNICAL PROPERTIES

	Dimensions (inches)	Free surface area (%)	CFM at 250 ft/min	CFM at 400 ft/min	CFM at 600 ft/min
Rattan	4 x 10	63.5	44	71	106
	6 x 12	63.5	79	127	190
	10 x 20	63.5	220	353	539
	14 x 14	63.5	216	346	519
	16 x 16	63.5	282	452	677
Chevron	4 x 10	66.1	46	73	110
	6 x 12	66.1	83	132	198
	10 x 20	66.1	230	367	551
	14 x 14	66.1	225	360	540
	16 x 16	66.1	294	470	705
Morocco	4 x 10	64.6	45	72	108
	6 x 12	64.6	81	129	194
	10 x 20	64.6	224	359	538
	14 x 14	64.6	220	352	528
	16 x 16	64.6	287	459	689
Linear	4 x 10	77.3	54	86	129
	6 x 12	77.3	97	155	232
	10 x 20	77.3	268	429	644
	14 x 14	77.3	263	421	631
	16 x 16	77.3	344	550	825

HOW TO ORDER

To order a product, please write to info@boreart.ca using the following template to ensure maximum accuracy.

The first two characters are the model code, followed by the pattern code; then come the desired dimensions, and the last letters represent the color.



Patterns

Rattan :	RO
Linear :	LI
Chevron :	CH
Morocco :	MO

Colors

Black :	NR
White :	BL
Metallic brown :	BM
Brushed and lacquered :	BS

Dimensions

- 4"x10"
- 6"x12"
- 10"x20"
- 14"x14"
- 16"x16"

*As they are custom-made, our ventilation grilles are also available in other colors and sizes to meet more specific needs. For any custom orders, please contact us by email or phone.