

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:* **OTF V2 OFVELE - OFVEPE**
2. *Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 paragraph 4:*
Information given on the tracking label :
Order confirmation Number + Product Number + Date of production
3. *Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer :*

3.1 Product description : Natural smoke and heat exhaust ventilator with a single casement, for wall installation on a horizontal axis in a bottom or top hung opening outside configuration, or on a vertical axis side hung opening outside style. The infill can be in cellular polycarbonate, in glass or insulated double skin aluminium (thermally or acoustically).

3.2 Installation and implementation conditions in accordance with the certified performances.

Wall installation ($\pm 30^\circ$)

Dimensional range : (Hht and Lht are the overall dimensions of the product)

Side Cylinders

Perpendicular Cylinders

	OFVELE C415 Bottom or top hunged			OFVELE C415 Side hunged With : If Lpa <1800mm then Hpa> Lpa/2 If Lpa <1800mm then Hpa> Lpa/3			OFVEPE C415 Bottom or top hunged			OFVEPE C415 Side hunged With : If Lpa <1800mm then Hpa> Lpa/2 If Lpa <1800mm then Hpa> Lpa/3		
	Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum	
LHT (mm)	666	2544	1744	1216	2544	1944	666	2544	1744	1216	2544	1944
HHT (mm)	666	1344	1744	666	944	1044	666	1344	1586	666	944	1044

3.3 Mode of operation:

Electrical cylinder opening and closing

Voltage : 24 Vcc Pa=Pc°= 38,4 W absorbed in a steady state

3.4 Possible options :

Open / Close position switches

Thermal device release (according to the current standard)

4. *Name, registered trade name or mark name, in conformity with article 11, paragraph 5:*

Company name : SOUCHIER-BOULLET SAS

11 rue des Campanules

CS 30066

77436 MARNE LA VALLEE Cedex 2

France

Production unit : SOUCHIER – BOULLET SAS

11, rue du 47eme R.A

70400 HERICOURT

France

6. *7. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:*

The notified body **TÜV Rheinland N° 0336** performed the determination of the product type on the basis of type testing, type calculation of the product, the initial inspection of the manufacturing plant and the factory production control and the continuous surveillance, assessment and evaluation of the factory production control under system 1 and issued the certificate of constancy of performance N°

CE Certificate N° 0336 – CPR – 89208434

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9. Declared performances :

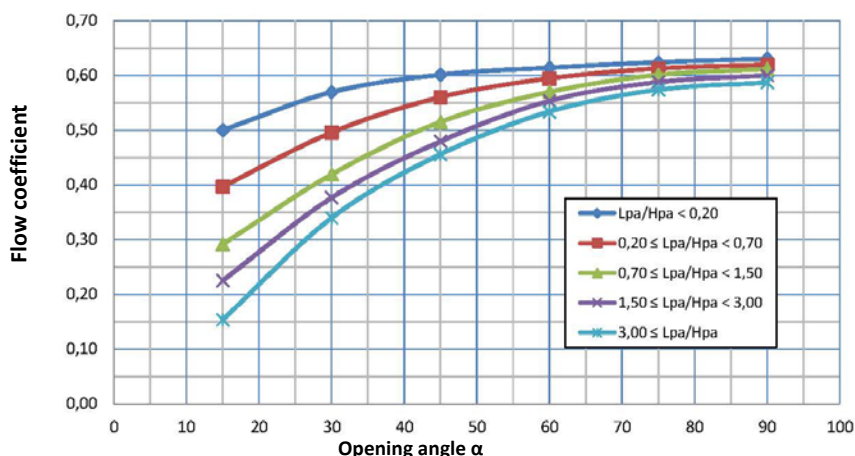
Harmonised technical specification: EN 12101-2:2003	Essential characteristics	Performance
	Nominal activation conditions / sensitivity, as:	
	Initiation device	present
	Opening mechanism	present
	Inputs and outputs	present
	Response delay (response time), as:	
	Reliability	
	Opening under (snow, wind) load	≤ 60 s
	Low ambient temperature	
	Fire Performance	
	Operational reliability, as:	
	Reliability	Re 1000 (+10 000), Type B
	Effectiveness of smoke/hot gas extraction, as:	
	Aerodynamic free area (see diagrams)	$A_a = A_v \times C_v^{**}$
	Performance parameters under fire conditions, as:	
	Resistance to heat	B ₃₀₀ 30
	Mechanical stability	$\Delta A_{throat} < 10 \%$
	Reaction to fire	
	Insulated panel or glass	A1
	Polycarbonate	B-s1;d0
	Performance under environmental conditions, as:	
	Opening under load	SL NPd
	Low ambient temperature	T(00)
	Stability under wind load	WL 1500
	Resistance to wind-induced vibration (where included)	$\omega_0: > 10\text{Hz}$, $\delta: > 0,1$
	Resistance to heat	B ₃₀₀ 30
	Durability, as:	
	Response delay (response time)	≤ 60 s
	Operational reliability	Re 1000 (+10 000)
	Performance parameters under fire conditions	≤ 60 s; $\Delta A_{throat} < 10 \%$

Free aerodynamic surface calculation :

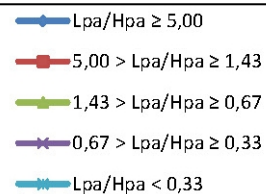
$$A_a = A_v \times C_v^{**}$$

$$A_v = L_{pa} \times H_{pa}$$

**Cv: calculation of flow coefficient



Outward Side



10. The performance of the product identified in points 1 et 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by: **David Maillart – R&D Manager**

The 19/04/2023
In Collégien

