

## DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type* EXUBAIE V2 OFVEE
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)

	1 Motor					2 Motors				
	Bottom or top hung		Side hung			Bottom or top hung		Side hung		
			With :	If Lpa $\geq 2 \times$ Hpa				With :	If Lpa $\geq 2 \times$ Hpa	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
LHT (mm)	1020	2620	1320	1020	2620	420	2620	1320	2320	2620
HHT (mm)	510	1320	2620	510	1370	1220	1320	2620	1220	1370

**3.3 Mode of operation :** Electrical opening and closing

Voltage  $U_a = U_c = 24 \text{ Vcc}$

Wattage  $P_a = P_c$  absorbed in a steady state 40,8 W maxi

**3.4 Possible options :**

Open / Close position switches

Thermal device release (according to the current standard).

4. *Name, registered trade name or trade mark , 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 47<sup>ème</sup> 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 EN 12 101-2 2003

CE Certificate N°0336 – CPR – 6742-3.

N : DoP Baie V2 OFVEE\_indA1

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9. Declared performances :

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

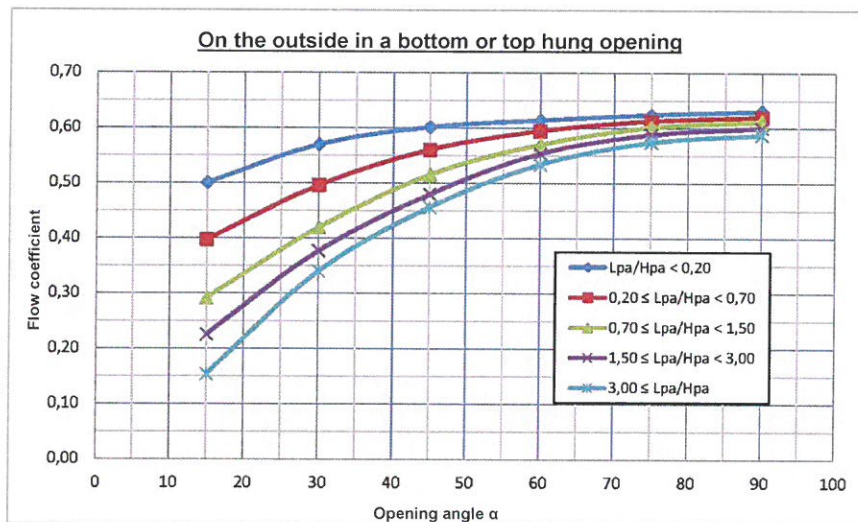
**Calculation of the free aerodynamic area:**

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

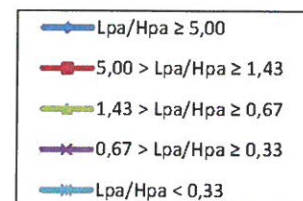
$$A_v = L_{pa} \times H_{pa}$$

$$L_{pa} = L_{ht} - 0,120 \text{ m and } H_{pa} = H_{ht} - 0,120 \text{ m}$$

**Calculation of the flow coefficient  $C_v$**



**Outwards side hung opening**



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 19/12/2017  
In Lognes