According to Construction Products Regulation (UE) N° 305/2011

N : **DoP LAM FES-FEI_indC**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:*

CERTILAM FES
CERTILAM FEI

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 (NSHEV) for wall installation with aluminium blades which can be thermally or acoustically insulated.

3.2 Installation and implementation conditions in accordance with the certified performances

- Wall installation from 0° to 30° except 0° for frame D
- Dimensional range : **L** and **H** are the throat dimensions of the product

L = width in m and **H** = height in m

0,398 ≤ **H** ≤ 3,046 and 0,5 ≤ **L** ≤ 2,400 with standard blades
0,406 ≤ **H** ≤ 3,054 and 0,5 ≤ **L** ≤ 2,400 with insulated blades

With 0,2m² ≤ $\mathbf{A_v}$* ≤ 6m²
*** : A_v = L x H**

3.3 Mode of operation :

Electrical opening and closing
Voltage $U_a = U_c$ = 24 Vcc -Wattage $P_a = P_c$ absorbed in a steady state

- 12 W for products from 3 to 5 blades.
- 30 W for products 6 blades and more.

3.4 Possible options :

Open / Close position switches
Thermal device release (according to the current standard).
Small lateral windshields except for frame D.

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

Company name : SOUCHIER – BOULLET SAS
Parc Segro – 42 rue de Lamirault
CS 20762
77090 COLLEGIEN
France

Production unit : SOUCHIER-BOULLET SAS
11 rue du 47ème R.A.
70400 HERICOURT
France

6. 7. *System or systems of assessment and verification of constancy of performance of the construction product in accordance to 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 – 6742-1-2

N : **DoP LAM FES-FEI_indC**

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

9. *Declared performances :*

	Essential characteristics	Performance
Harmonised technical specification: EN 12101-2:2003	**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 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	$A_a = A_v$* x Cv**
	Performance parameters under fire conditions, as:	
	Resistance to heat	B_{300} 30
	Mechanical stability	ΔA_{throat}< 10 %
	Reaction to fire	
	Standard blades	A1
	Insulated blades	B-s1;d0
	Performance under environnemental conditions, as:	
	Opening under load	SL NPD
	Low ambient temperature	T(-15)
	Stability under wind load	WL 1500
	Resistance to wind-induced vibration (where included)	ω_0: > 10Hz, δ: >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; ΔA_{throat}< 10 %

****Definition of flow coefficient**

0,2 ≤Av≤ 6 m²	**500 ≤ L < 1000**	**1000 ≤ L ≤ 2400**
H < 1000	Cv = 0,50	Cv = 0,50
H ≥ 1000	Cv = 0,50	Cv = 0,62

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 18/04/2023
In Collégien