

## DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

1. *Unique identification code of the product-type:* **VENTILIGHT OFF(sp)**
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 double casement , for roof installation which opens outwards, with an external motorization. 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**

- Roof installation with the hinges on the side ( in the direction of the slope):
  - from 5° to 60° with the infill in glass with glazing beads
  - from 0° to 60° with the infill in glass with structural glazing aspect and in insulated double skin aluminium (thermally or acoustically)
- Dimensional range : (**A** and **B** are the overall dimensions of the product)
  - Side **A** parallel to the hinges :  $0,85m \leq A \leq 2,2m$       Side **B** perpendicular to the hinges :  $0,7m \leq B \leq 1,4m$
  - \* $A_v = [side\ A - 0,181\ m] \times [(side\ B \times 2) - 0,181\ m]$       With  $0,35\ m^2 \leq A_v^* \leq 2,86\ m^2$
- With mandatory fixed windshields, to ensure Cv coefficient declared in page 2
- With 280 mm high steel upstand, with or without insulation, to ensure Cv coefficient declared in page 2

**3.3 Mode of operation :** Fail safe opening and closing with air

Service pressure : 0 bars (Possibility to use the NSHEV as daily ventilation unit with a pressure of 6 bars)

	<b>700 ≤ B ≤ 900</b>	<b>901 ≤ B ≤ 1200</b>	<b>1201 ≤ B ≤ 1400</b>	<b>1401 ≤ B ≤ 1600</b>
<b>1 Cylinder</b>	<b>c500</b>	<b>c800</b>	<b>c1000</b>	<b>c1200</b>
<b>Ø50</b>	<b>10,5 NI</b>	<b>16,7 NI</b>	<b>20,8 NI</b>	<b>22,9 NI</b>

**3.4 Possible options :**

Open / Close position switches.  
 Griddle, (distance 120 mm), diameter 5 mm without influence on the aerodynamic coefficient  
 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

Parc Segro – 42 rue de Lamirault  
 CS 20762  
 77090 COLLEGIEN  
 France

**Production unit :** SOUCHIER 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 N°

**CE Certificate N°0336 – CPR – 10430.**

N : DoP VENTILIGHT OFF(sp)\_indD

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9. Declared performances:

Harmonised technical specification: EN 12101-2:2003	Essential characteristics	Performance
	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	With upstand $A_a = A_v * 0,5$ or NPD Without upstand $A_a = A_v * 0,3$ or NPD
	Performance parameters under fire conditions, as: Resistance to heat Mechanical stability Reaction to fire	$B_{300} 30$ $\Delta A_{throat} < 10 \%$ Insulated panel or glass Polycarbonate $A1$ $B-s1;d0$
	Performance under environmental conditions, as: Opening under load (See tables) Low ambient temperature Stability under wind load Resistance to wind-induced vibration (where included) Resistance to heat	$SL^{**}$ $T(00)$ $WL 1500$ $\omega_0: > 10Hz, \delta: > 0,1$ $B_{300} 30$
	Durability, as: Response delay (response time) Operational reliability Performance parameters under fire conditions	≤ 60 s Re 1000 (+10 000) ≤ 60 s; $\Delta A_{throat} < 10 \%$

**\*\*Determination of the snowload classification :**

Side A parallel to the hinges :  $0,85m \leq A \leq 2,2m$

Side B parallel to the hinges :  $0,7m \leq B \leq 1,4m$

2 CYLINDERS PER LEAF				
	SL500	SL250	SL150	
2100<A<2200	700 ≤ B ≤ 1019	1020 ≤ B ≤ 1215	1216 ≤ B ≤ 1400	
2000<A<2100	700 ≤ B ≤ 1042	1043 ≤ B ≤ 1242	1243 ≤ B ≤ 1400	
1900<A<2000	700 ≤ B ≤ 1066	1067 ≤ B ≤ 1271	1272 ≤ B ≤ 1400	
1800<A<1900	700 ≤ B ≤ 1092	1093 ≤ B ≤ 1302	1303 ≤ B ≤ 1400	
1700<A<1800	700 ≤ B ≤ 1120	1121 ≤ B ≤ 1335	1336 ≤ B ≤ 1400	
1600<A<1700	700 ≤ B ≤ 1151	1152 ≤ B ≤ 1372	1373 ≤ B ≤ 1400	
1500<A<1600	700 ≤ B ≤ 1183	1184 ≤ B ≤ 1400		
1400<A<1500	700 ≤ B ≤ 1230	1231 ≤ B ≤ 1400		
1300<A<1400	700 ≤ B ≤ 1272	1273 ≤ B ≤ 1400		
1200<A<1300	700 ≤ B ≤ 1318	1291 ≤ B ≤ 1400		
1 CYLINDER PER LEAF				
850<A<1200	700 ≤ B ≤ 983	984 ≤ B ≤ 1173	1174 ≤ B ≤ 1290	1291 ≤ B ≤ 1400

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 17/04/2023  
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