

DECLARATION OF PERFORMANCE OF SMOKE AND HEAT CONTROL SYSTEMS

- Unique identification code of the product-type:** CERTITOIT ELECTRIQUE 114/118
CERTITOIT ELECTRIQUE 114/140
- 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
- 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 in wood, for roof installation which opens outwards, with an external motorization. The infill is in glass 4 toughened/ 14 argon / 33.2 (6.4mm laminated)
 - 3.2 Installation and implementation conditions in accordance with the certified performances**
 - Roof installation from 20° to 60° with the hinges at the bottom of the slope.
 - Dimensional range : see table
 - With optional lateral fixed windshields,
 - 3.3 Mode of operation : Electric opening and closing**
 - Voltage $U_a = U_c = 24 \text{ Vcc}$ – Wattage $P_a = P_c$ absorbed in a steady state
 - 40W to 48 W maxi for 2 motors
 - 3.4 Possible options :**
 - Open / Close position switches
 - Thermal device release (according to the current standard)
- 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^{ème} R.A.
70400 HERICOURT
France
- 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°1812 – CPR – 1095.

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:			Re 1000 (+10 000), Type B		
Reliability					
Effectiveness of smoke/hot gas extraction, as:			$A_a = A_v^* \times C_v^*$		
Aerodynamic free area					
Performance parameters under fire conditions, as:					
Resistance to heat			B300 30		
Mechanical stability			$\Delta A_{throat} < 10 \%$		
Reaction to fire			Glass A1		
Performance under environmental conditions, as:					
Opening under load (See tables)			SL250		
Low ambient temperature			T(-15)		
Stability under wind load			WL 1500		
Resistance to wind-induced vibration (where included)			$\omega_0 > 10 \text{ Hz}$, $\delta > 0,1$		
Resistance to heat			B300 30		
Durability, as:					
Response delay (response time)			≤ 60 s		
Operational reliability			Re 1000 (+10 000)		
Performance parameters under fire conditions			≤ 60 s; $\Delta A_{throat} < 10 \%$		

	Overall dimensions		Geometric area	Aerodynamic area				
	L (mm)	H (mm)		Slope roof (°)	Opening angle (°)	Aa (m²) without windshield	Aa (m²) with windshield 150mm	Aa (m²) with windshield 185mm
Certitoit 114/118	1140	1180	1,17	20/20	70	0,294		
				40/40	50	0,270		
				60/60	30	0,200		
				20 à 60	52	0,341	0,611	0,693
Certitoit 114/140	1140	1400	1,41	20/20	70	0,352		
				40/40	50	0,324		
				60/60	30	0,239		
				20 à 60	43	0,394	0,620	0,831

- 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
In Collégien

