Notified Body nr. 0336

Certificate of constancy of performance

0336 – CPR – 6742 – 1 - 1

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product(s)

Natural smoke and heat exhaust ventilator with intended use to be installed as a component of natural smoke and heat exhaust system

Specified by the commercial name(s)
CERTILAM T – CERTILUX T

placed on the market under the name or trade mark
SOUCHIER-BOULLET SAS
PARC SEGRO - ZAC DE LAMIRAULT, 42 RUE DE LAMIRAULT - CS 20762, 77090 COLLEGIEN - France

and produced in the manufacturing plant(s)
SOUCHIER-BOULLET S.A.S,
11 rue du 47ème Régiment d'Artillerie, 70400 HERICOURT, France

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of standard(s)

EN 12101-2:2003

under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product

This certificate was first issued on 29th August 2006 under the Construction Products Directive 89/106/EEC (CPD) and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the notified product certification body.

TÜV Rheinland Nederland BV
Westervoortsedijk 73, gebouw SB
NL – 6827 AV Arnhem
The Netherlands

Arnhem, 23rd November 2022

J.J. de Wolff, Local Field Manager

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

Field of Application :

<table>
<tr><td rowspan="2">Roof installation</td><td colspan="4">L = Throat width parallel to the hinges
H = Throat height perpendicular to the hinges</td></tr>
<tr><td colspan="2">500 ≤ L≤ 3000 mm 398 ≤ H ≤ 3054 mm</td><td colspan="2">500 ≤ L≤ 3000 mm 756 ≤ H ≤ 3554 mm</td></tr>
<tr><td>Geometric area Av
(for dimensions mentioned)</td><td colspan="2">0,2 ≤ Av ≤ 1 m²</td><td colspan="2">1 ≤ Av ≤ 7 m²</td></tr>
<tr><td rowspan="8"></td><td rowspan="3">Installation</td><td colspan="2">Louvers windows with aluminum blades for roof installation</td><td colspan="2">T = Roof</td></tr>
<tr><td colspan="2">CERTILAM T</td><td colspan="2">Louvers windows with aluminum blades insulated or not</td></tr>
<tr><td colspan="2">CERTILUX T</td><td colspan="2">Louvers windows with glass or polycarbonate blades</td></tr>
<tr><td rowspan="3">Mechanism</td><td rowspan="3">Mechanical system</td><td>P = Pneumatic</td><td>E = Electric</td></tr>
<tr><td>(sp) = fail safe</td><td>(sp) = fail safe</td></tr>
<tr><td>(MRR) =
Air to open – Springs to close</td><td>(spR) = rotative fail safe</td></tr>
<tr><td rowspan="4">Blade type</td><td colspan="3">S = Standard aluminium</td></tr>
<tr><td colspan="3">I = Insulated (aluminum)</td></tr>
<tr><td colspan="3">P= Polycarbonate</td></tr>
<tr><td colspan="3">V= Glass</td></tr>
</table>

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

Related Notified Bodies :

0336 : TÜV Rheinland Nederland B.V.
0679 : Centre Scientifique et Technique du Bâtiment (CSTB)
1368 : I.F.I. Institut für Industrieaerodynamik GmbH
1812 : EFECTIS France

	Declared Value				
Annex B Coefficient of discharge Cv	**Cv = 0,55**	With upstand (280mm)	With windshield (265mm)	**0,2 ≤ Av ≤ 3,75 m²**	500 ≤ L ≤ 3000mm 398 ≤ H ≤ 3554mm
	Cv = 0,50	Without upstand			
	Cv = 0,67	With upstand (280mm)	With windshield (265mm)	**1 ≤ Av ≤ 6 m²**	1000 ≤ L ≤ 3000mm 1000 ≤ H ≤ 3554mm
	Cv = 0,62	Without upstand			
	Cv = 0,64	With upstand (350mm)	With windshield (310mm)	**6 ≤ Av ≤ 7 m²**	H ≤ 1500mm
					H > 1500mm
	Cv = 0,62	Without upstand	With windshield (310mm)	**6 ≤ Av ≤ 7 m²**	
Test reports	1368-042/2014-B 1368-043/2014-B				

	Declared Value		
Annex C Reliability	***Pneumatic system***		
	Re 1000 (+10.000)	**0,2 ≤ Av ≤ 6 m²**	TPS – TPI – TPP – TPV
	Re 1000	**6 ≤ Av ≤ 7 m²**	
	Test reports	1368-301/2006-C 1368-313/2006-C 1812-09-M-274 1812-13-M-122 1812-07-M-416 1812-EFR-16-M-001110	
	Pneumatic system fail safe		
	Re 1000 (+10.000)	**1 ≤ Av ≤ 6 m²**	TP(sp)S – TP(sp)I – TP(sp)P – TP(sp)V

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Commercial name :
CERTILAM T – CERTILUX T

	Re 1000	**6 ≤ Av ≤ 7 m²**	
	Test reports	1368-367/2006-C 1368-364/2006-C 1812-09-M-274	
	Pneumatic system MRR (Air to open – Springs to close)		
	Re 1000	**1 ≤ Av ≤ 7 m²**	TP(MRR)S – TP(MRR)I – TP(MRR)P – TP(MRR)V
	Test reports	1812-10-M-400	

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

	Declared Value		
Annex C Reliability (Continued)	***Electrical system***		
	Re 1000 (+10.000)	**0,2 ≤ Av ≤ 6 m²**	TES – TEI – TEP – TEV
	Re 1000 (+10.000)	**6 ≤ Av ≤ 7 m² and L ≤ 2000mm**	
	Re 1000	**6 ≤ Av ≤ 7 m² and L > 2000mm**	
	Test reports	1368-319/2006-C 1368-334/2006-C 1812-09-M-274 1812-10-M-400 1812-07-M-416	
	Electrical system fail safe and rotative fail save		
	Re 1000 (+10.000) And Re 1000	**1 ≤ Av ≤ 6 m²**	TE(sp)S – TE(sp)I – TE(sp)P – TE(sp)V (according actuators)
	Re 1000	**1 ≤ Av ≤ 1,56 m²**	TE(spR)S – TE(spR)I – TE(spR)P – TE(spR)V
	Test reports	1812-07-M-246 1812-13-M-583	
	Mechanical system		
	Re 300 (+ 10.000)	**1 ≤ Av ≤ 5 m²**	TMS – TMI – TMP - TMV
	Test reports	1368-304/2006-C 1368-310/2006-C	

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

	Declared Value		
Annex D Snow load	***Pneumatic system***		
	SL 0 – SL 250 – SL 500	**0,2 ≤ Av ≤ 6 m²**	TPS – TPI – TPP – TPV (According actuators)
	SL 0 – SL 250	**6 ≤ Av ≤ 7 m²**	TPS – TPI – TPP (According actuators)
	SL 0	**6 ≤ Av ≤ 7 m²**	TPV (According actuators)
	Test reports	1368-315/2006-D 1368-303/2006-D 1812-09-M-274 1812-13-M-122 1812-07-M-416 1812-EFR-16-M-001110	
	Pneumatic system fail safe		
	SL 0 – SL 250 – SL 500	**1 ≤ Av ≤ 6 m²**	TP(sp)S – TP(sp)I – TP(sp)P – TP(sp)V
	SL 250	**6 ≤ Av ≤ 7 m² and L ≤ 2000 mm**	TP(sp)S – TP(sp)I – TP(sp)P
	SL 0	**6 ≤ Av ≤ 7 m² and L ≤ 2000 mm**	TP(sp)V
	SL 0	**6 ≤ Av ≤ 7 m² and L > 2000 mm**	TP(sp)S – TP(sp)I – TP(sp)P – TP(sp)V
	Test reports	1368-368/2006-D 1368-315/2006-D 1812-09-M-274	
	Pneumatic system MRR (Air to open – Springs to close)		
	SL 0 – SL 250 – SL 500	**1 ≤ Av ≤ 6 m²**	TP(MRR)S – TP(MRR)I – TP(MRR)P – TP(MRR)V
	SL 0 – SL 250	**6 ≤ Av ≤ 7 m² and L ≤ 2000 mm**	TP(MRR)S – TP(MRR)I –TP(MRR)V - ~~TP(MRR)P~~
	SL 0	**6 ≤ Av ≤ 7 m² and L > 2000 mm**	TP(MRR)S – TP(MRR)I – TP(MRR)V
	SL 250	**6 ≤ Av ≤ 7 m²**	TP(MRR)P
	Test reports	1812-109-M-400	

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

	Declared Value		
Annex D Snow load (Continued)	***Electrical system***		
	SL 0 – SL 250 – SL 500	**1 ≤ Av ≤ 6 m²**	TES – TEI
	SL 0 – SL 250	**1 ≤ Av ≤ 6 m²**	TEP - TEV
	SL 250	**6 ≤ Av ≤ 7 m² and L ≤ 2000 mm**	TES – TEI
	SL 0	**6 ≤ Av ≤ 7 m² and L > 2000 mm**	
	SL 0	**6 ≤ Av ≤ 7 m²**	TEP - TEV
	Test reports	1812-09-M-274 1812-10-M-400 1812-07-M-416 1368-321/2006-D 1368-335/2006-D	
	Electrical system fail safe and rotative fail save		
	SL 0 – SL 250 – SL 500	**1 ≤ Av ≤ 6 m²**	TE(sp)S – TE(sp)I – TE(sp)P – TE(sp)V (according actuators)
	SL 0 – SL 250	**1 ≤ Av ≤ 1,56 m²**	TE(spR)S – TE(spR)I – TE(spR)P – TE(spR)V
	Test reports	1812-07-M-246 1812-13-M-583	
	Mechanical system		
	SL 0 – SL 250 – SL 500	**1 ≤ Av ≤ 5 m²**	TMS – TMI – TMP - TMV
	Test reports	1368-306/2006-D 1368-312/2006-D	
Annex E Low Ambient Temperature	**Classification**	**Details**	
	T (-25°) – T(00)	**Pneumatic system** (According actuators)	
	T (-25°)	**Pneumatic system (fail safe)**	
	T (00)	**Pneumatic system (MRR = Air to open – Springs to close)**	
	T (-15°) – T(00)	**Electrical system** (According actuators)	
	T (-15°) – T(00)	**Electrical system (fail safe)** (According actuators)	
	T (00)	**Electrical system (rotative fail safe)**	
	T (-25°)	**Mechanical system**	
	Test reports	1812-05-B-242 0679-CAPE-AT-06-049/E 0679-CAPE-AT-08-083/E ELC-V2 0679-CAPE-AT-06-049/E PNE-V2	

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Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

Annex F Wind load	**Declared Value**		
	Pneumatic system		
	WL 1500	**0,2 ≤ Av ≤ 6m²**	TPS – TPI – TPP – TPV
	WL 0	**6 ≤ Av ≤ 7 m²**	TPS – TPI – TPP – TPV
	Test reports	1368-314/2006-F 1368-302/2006-F 1812-09-M-274 1812-13-M-122 1812-07-M-416 1812-EFR-16-M-001110	
	Pneumatic system fail safe		
	WL 1500	**1 ≤ Av ≤ 7 m²**	TP(sp)S – TP(sp)I – TP(sp)P – TP(sp)V
	Test reports	1368-369/2006-F 1368-314/2006-F 1812-09-M-274	
	Pneumatic system MRR (Air to open – Springs to close)		
	WL 1500	**1 ≤ Av ≤ 7 m²**	TP(MRR)S – TP(MRR)I – TP(MRR)P – TP(MRR)V
	Test reports	1812-10-M-400	
	Electrical system		
	WL 1500	**0,2 ≤ Av ≤ 7 m²**	TES – TEI – TEP – TEV (According actuators)
	WL 0	**6 ≤ Av ≤ 7 m²**	
	Test reports	1368-320/2006-F 1368-336/2006-F 1812-09-M-274 1812-10-M-400 1812-07-M-416	
	Electrical system fail safe and rotative fail safe		
	WL 1500	**1 ≤ Av ≤ 6 m²**	TE(sp)S – TE(sp)I – TE(sp)P – TE(sp)V
	WL 1500	**1 ≤ Av ≤ 1,56 m²**	TE(spR)S – TE(spR)I – TE(spR)P – TE(spR)V
	Test reports	1812-07-M-246 1812-13-M-583	
	Mechanical		
	WL 1500	**1 ≤ Av ≤ 5 m²**	TMS – TMI – TMP – TMV
	Test reports	1368-305/2006-F 1368-311/2006-F	

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Annex 1
Natural smoke and heat exhaust ventilator

Commercial name :
CERTILAM T – CERTILUX T

Annex G Resistance to heat	**Pneumatic system** **Pneumatic system fail safe** **Pneumatic system MRR (Air to open – Springs to close)** **Electrical system** **Electrical system fail safe** **Electrical system fail safe and rotative fail safe** **Mechanical system**		
	B 300	**0,2 ≤ Av ≤ 7 m²**	All versions
	Test reports	1812-04-E-167 1812-07-E-157 1812-07-E-426 1812-07-E-386 1812-08-E-426 1812-10-E-457 1812-12-E-320	
Reaction to fire of the infill	- Aluminium and glass Blades: A1 - Insulated and polycarbonate Blades: B-s1;d0	n.a.	

- end of certificate -

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