

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction products

Natural smoke and heat exhaust ventilator

for fire safety use in natural smoke and heat exhaust systems, with specifications and performances as specified on page 2 in this certificate.

Product name: Hansen Millennium

placed on the market under the name or trademark of

HansenConcepts

Jernbanegade 26
DK-6940 Lem, Denmark

and produced in the manufacturing plant

Hansen Polska Sp.Z.o.o., Rudna Mała 47, P-36-060 Głogów Małopolski, Poland

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in annex ZA of the standard

EN 12101:2003

under system 1 for the performance 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 2021-02-08 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402

The validity of this certificate can be verified on our website.

Martin Tillander
Director Product Certification

Certificate 0402-CPR-C500147 | issue 1 | 2021-02-08

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Specification

Dual purpose natural smoke and heat exhaust ventilator (NSHEV), intended for comfort ventilation as well as smoke and heat exhaust ventilation under fire conditions. The opening of the NSHEV is type B. The NSHEV is not equipped with wind deflectors.

The NSHEV is for wall mounting and is tested without side wind.

The NSHEV consist of a frame made of aluminium, and a single flap consisting of a sash made of aluminium profiles with insulated glass units. The NSHEV is mounted as part of glazed partitions.

Frame types: 421913, 421983, 421863, 421853, 421843, 42803, 426523, 421953, 421713, 421733, 421663, 421703, 421363, 421923, 421573, 421173, 421303, 421263, 421903, 421973, 421833, 421823, 421813, 421793, 426513, 421943, 421603, 421643, 421633, 421613, 421403, 421623, 421443, 421183, 421253, 421113, 421243. 422173, 422083, 422153, 422403, 422373, 422523, 422493, 422543, 422513, 427513, 422723, 422703, 422733, 422743, 422903, 422233, 422223, 422143, 422463, 422313, 422603, 422583, 422613, 422593, 427533, 422753, 422713, 422763, 422773, 422923.

Sash types: 423223, 423153, 423143.

Width (external)	500 – 2220 mm
Height (external)	500 – 1420 mm
Area	0,25 – 4,00 m ²
Installation angle	90°
Opening angle	0°-90°
Maximum weight (opening part)	100 kg
Opening and mounting	Inwards opening: Bottom hung
Opening mechanism	Electrical chain actuator
Opening mechanism, supplier and type	WindowMasters A/S, WMU 836-n EN yyyy n = the number of synchronized motors (1 or 2) yyyy = the chain length (0400 to 0800mm)

Performance

Aerodynamic free area	$A_a = A_v \times C_{v0}$ See graph A for C_{v0} -values for calculation of A_a
Reliability	Re 50
Snow load	SL 0
Low ambient temperature	T(-05)
Wind load	WL 1700
Resistance to heat	B 300
Reaction to fire classification	A1

Graph A

