

Smoke Extraction & Ventilation

Electric - Standard steel frame

BLUESTEEL ELEC



OVERHEAD
NATURAL
LIGHTING



SMOKE
EXTRACTION



VENTILATION



BENEFITS OF BLUETEK

- Optimisation of ventilation performance thanks to the slanting frame
- The mechanism does not jut out under the frame when open
- Factory mounted device ready for connection of the electric cable

CONTROL

HYPERION-type electric (24V)



Standards and requirements



EN 1873
EN 12101-2



Low temperature
T (-15°)



Reliability
Re 1000 (fire)
Re 10000 (partial ventilation)



Snow load
SL250 / SL500



Type B Operation
Opening + closing



Static wind
load
WL 1500 Pa



Heat
resistance
B 300

Characteristics

- 10 mm CPC opal glazing
- Slanting frame height 350 mm insulated 15mm bituminized
- Electric thermal release set at 100°C

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Technical characteristics

Measurements			Performance			Characteristics						
Commercial measurements (roof cavity) L/W in cm	Light measurements (top cavity) L x W in cm	Dimension in cm C x D (see section opposite)	Av (geometrical surface) in m ²	Aa (useable area) in m ²		Voltage U (V)	CPC 10,16		CAIS ⁽¹⁾		DD ⁽¹⁾	
				Std	Max		SL250 ⁽²⁾ I (A)	SL500 ⁽²⁾ I (A)	SL250 ⁽²⁾ I (A)	SL500 ⁽²⁾ I (A)	SL250 ⁽²⁾ I (A)	SL500 ⁽²⁾ I (A)
110/110	100 x 100	565 / 1213	1.21	0.75	0.90	24	4,5		4,5		4,5	
120/120	110 x 110	591 / 1310	1.44	0.89	1.07		4,5		4,5		4,5	
130/130	120 x 120	617 / 1406	1.69	1.03	1.27		4,5		4,5		4,5	
140/140	130 x 130	643 / 1503	1.96	1.20	1.47		4,5		4,5		4,5	
150/150	140 x 140	668 / 1599	2.25	1.37	1.69		4,5		4,5		4,5	
120/140	110 x 130	591 / 1310	1.68	1.02	1.26		4,5		4,5		—	
120/160	110 x 150	591 / 1310	1.92	1.17	1.44		4,5		4,5		—	
120/170	110 x 160	591 / 1310	2.04	1.24	1.53		4,5		4,5		—	
120/180	110 x 170	591 / 1310	2.16	1.32	1.62		4,5		4,5		—	
120/200	110 x 190	591 / 1310	2.40	1.44	1.80		4,5		4,5		—	
120/240	110 x 230	591 / 1310	2.88	1.73	2.16		4,5		4,5		—	
140/160	130 x 150	643 / 1503	2.24	1.37	1.68		4,5		4,5		—	
140/200	130 x 190	643 / 1503	2.80	1.65	2.10		4,5		4,5		—	
150/200	140 x 190	668 / 1599	3.00	1.77	2.25		4,5		4,5		—	

⁽¹⁾ CAIS: Standard insulated aluminium hood, DD: Double Dome

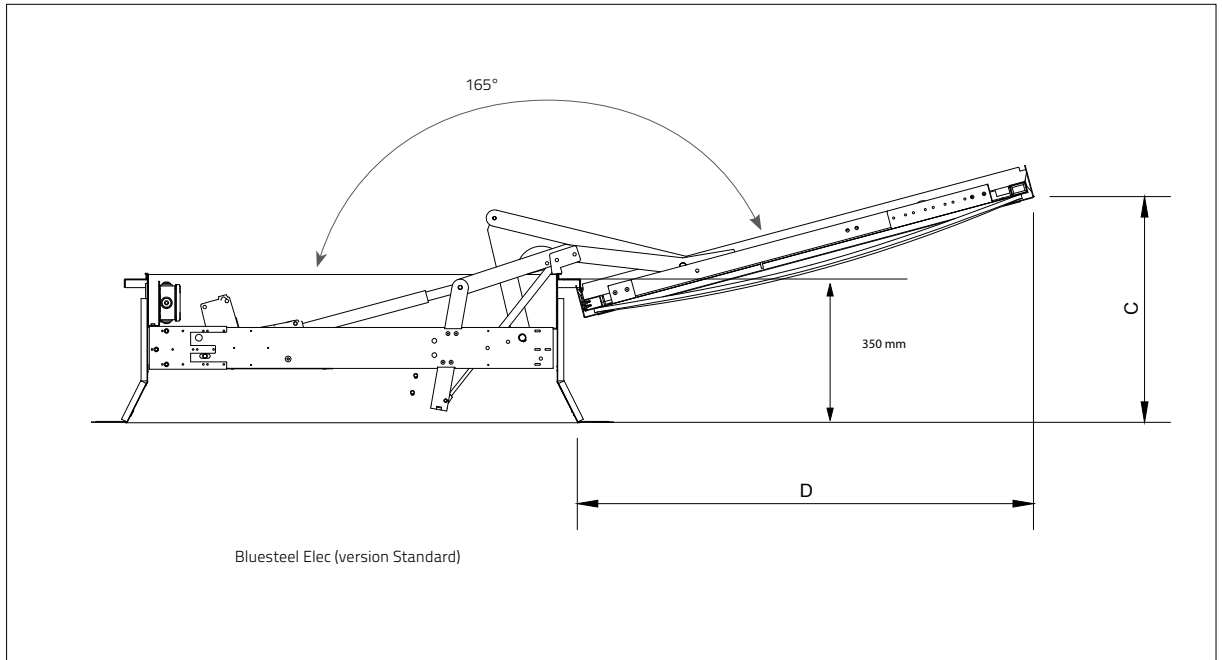
⁽²⁾ SL 250: altitude 0-400 m / SL 500: altitude 400-800 m

— not available

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Technical sections



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Glazings

10 MM CPC

10 mm cellular polycarbonate
Available in colourless, opaque, Calor Control

16 MM CPC

16 mm cellular polycarbonate
Available in opal, colourless, opaque, Calor Control

DOME

Solid polycarbonate or acrylic polymethyl methacrylate double-wall, opal or colourless

INSULATED ALUMINIUM HOOD

Standard

Accessories and Options



SECURITY BARS

15X15 mm fixed steel 1200 joules resistance



BARS

Round fixed steel 1200 joules resistance



SLANTING FRAME

Height 420, 500 mm



PVC SEALING

- Non-bituminized insulating material
- Non-bituminized insulating material with pack-rolled sheet metal option
- Non-bituminized insulating material with galvanized sheet metal option



POSITION SWITCH

Indicates that the NSHEV is in standby mode
Factory-installed



ELECTRIC RELEASE

Automatically opens the outlet in case of a rise in the temperature in the roof. Available at 140°C



VENTILATION

Partial or total with smoke extraction jack

LACQUERING

Lacquering of the frame, bars, security bars or underside of the aluminium hood is possible in standard RAL colours



RAL 9010



RAL 9005

Ventilation finishes



WITHOUT SPOILERS (IN STANDARD VERSION)



SPOILERS (IN VERSION MAX)

Parts made of galvanized sheet steel improve the ventilation performance of the device

Installation

Compliance with Unified Technical Documents (DTU) 43, maximum slope:

- from 0 to 5°, i.e. 0 to 10%, with hinges at top of slope
- from 5 to 22°, i.e. >10 to 40%, with hinges at bottom of slope

Maintenance

In accordance with NF S 61-933 the outlets must be checked and serviced at least once a year by the manufacturer or an authorised installer.



For further information visit
our website
www.bluetek.fr