

Smoke Extraction & Ventilation

Electric - Standard steel frame

BLUESTEEL DV ELEC



OVERHEAD
NATURAL
LIGHTING



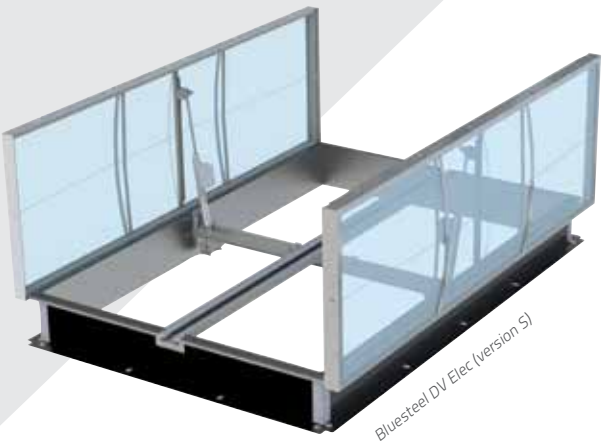
SMOKE
EXTRACTION



VENTILATION

BENEFITS OF BLUETEK

- Up to 4.62 m² of smoke extraction
- 4 ventilation finishes available: S, M, L and XL
- Factory-installed windbreaks of the XL model are invisible when the device is closed



Bluesteel DV Elec (version S)

CONTROL

HYPERION-type electric



Standards and requirements



EN 1873
EN 12101-2



Low temperature
T (-15°)



Reliability
Re 1000 (fire)
Re 10000 (ventilation)



Snow load
SL250 / SL550



Operation
Type B
opening + closing



Static wind load WL
1500



Heat resistance
B 300

Characteristics

- 10 mm CPC opal glazing
- Frame height 310 mm insulated 15 mm bituminized
Straight frame > version S
Slanting frame > versions M, L and XL
- Electric thermal release set at 100°C

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Technical characteristics



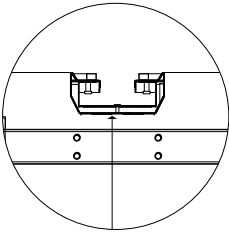
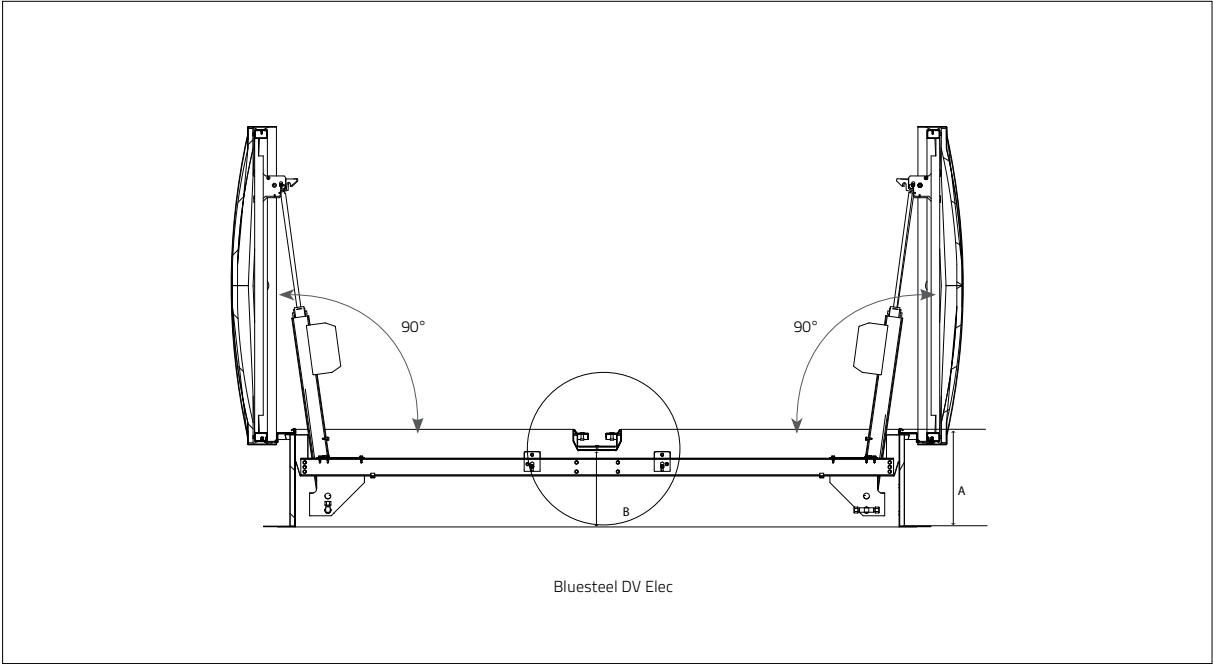
Measurements			Performance				Characteristics				
Commercial measurements (Roof cavity) L/W in cm	Light measurement (top cavity) L x W in cm	Av (geometrical surface) in m²	Aa (useable area) in m²				Voltage U (V)	CPC 10,16		CAIS ⁽¹⁾	
			S	M	L	XL		SL250 ⁽²⁾ I (A)	SL550 ⁽²⁾ I (A)	SL250 ⁽²⁾ I (A)	SL550 ⁽²⁾ I (A)
160/160	160 x 160	2.56	1.36	—	—	—	24	3.20	4.40	3.20	4.40
170/170	170 x 170	2.89	1.50	—	—	—		4.40	—	4.40	—
	160 x 160		—	1.91	1.97	2.08		3.20	4.40	3.20	4.40
180/180	180 x 180	3.24	1.62	—	—	—		4.40	—	4.40	—
	170 x 170		—	2.14	2.20	2.37		4.40	—	4.40	—
190/190	190 x 190	3.61	1.84	—	—	—		4.40	—	4.40	—
	180 x 180		—	2.38	2.49	2.67		4.40	—	4.40	—
200/200	200 x 200	4.00	2.04	—	—	—		4.40	—	4.40	—
	190 x 190		—	2.68	2.76	3.00		4.40	—	4.40	—
140/200	140 x 200	2.80	1.54	—	—	—		3.20	4.40	4.40	—
140/250	140 x 250	3.50	1.93	—	—	—		4.40	—	4.40	—
	130 x 240		—	2.35	2.45	2.49		4.40	—	4.40	—
140/300	140 x 300	4.20	2.31	—	—	—		4.40	—	4.40	—
	130 x 290		—	2.81	2.98	3.02		4.40	—	4.40	—
150/200	150 x 200	3.00	1.62	—	—	—		4.40	—	4.40	—
150/250	150 x 250	3.75	2.03	—	—	—		4.40	—	4.40	—
	140 x 240		—	2.51	2.63	2.70		4.40	—	4.40	—
150/300	150 x 300	4.50	2.43	—	—	—		4.40	—	4.40	—
	140 x 290		—	3.02	3.20	3.29		4.40	—	4.40	—
160/200	160 x 200	3.20	1.70	—	—	—		4.40	—	4.40	—
160/250	160 x 250	4.00	2.12	—	—	—		4.40	—	4.40	—
	150 x 240		—	2.68	2.80	2.92		4.40	—	4.40	—
160/300	160 x 300	4.80	2.54	—	—	—		4.40	—	4.40	—
	150 x 290		—	3.22	3.41	3.55		4.40	—	4.40	—
180/250	180 x 250	4.50	2.25	—	—	—		4.40	—	4.40	—
	170 x 240		—	2.97	3.15	3.38		4.40	—	4.40	—
180/280	180 x 280	5.04	2.52	—	—	—		4.40	—	—	—
	170 x 270		—	3.38	3.58	3.83		4.40	—	4.40	—
180/300	170 x 290	5.40	2.70	3.62	3.83	4.10		4.40	—	4.40	—
200/250	190 x 240	5.00	2.55	3.35	3.55	3.80		4.40	—	4.40	—
200/300	190 x 290	6.00	3.06	4.08	4.32	4.62		4.40	—	4.40	—

⁽¹⁾ CAIS: Standard insulated aluminium hood
⁽²⁾ SL 250: altitude 0-400 m / SL 500: altitude 400-800
— not available

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Technical sections



Commercial reference height	inside height (A)	height under gutter (B)
310	310 mm	257 mm
350	350 mm	297 mm
420	420 mm	367 mm
500	500 mm	447 mm

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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

INSULATED ALUMINIUM HOOD

Standard

Accessories and Options



SECURITY BARS

15X15 mm fixed steel 1200 joules



BARS

Round fixed steel 1200 joules



STRAIGHT/SLANTING FRAME

Height 350, 420, 500



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 SWITCHES

Indicate 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



S : Straight frame



M : Slanting frame + windbreaks



L : Slanting frame + windbreaks + shafts



XL : Slanting frame + fans + shafts

Installation

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

- 0 to 5° with hinges that are parallel or perpendicular to the roof.
- 5 to 22° with hinges parallel to the roof.
- 10 ° with hinges version XL° perpendicular to the roof (for XL version)

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