

For FAÇADE

SKYBAIE®

Treuil

VERSION 

The advantages

MULTI-DIRECTIONAL SWIVEL PULLEY

Can be adjusted to the right or left of the device without having to operate the device.

SIMPLE, ACCESSIBLE MECHANISM

For easy maintenance

DEVICE SUPPLIED WITH 20 ML OF CABLE AS STANDARD

PULLEY PROTECTED BY A HOUSING IN THE SAME COLOUR AS THE CHASSIS

INTEGRATED EJECTOR AND MECHANISM, INVISIBLE WHEN CLOSED.

The SKYBAIE TREUIL is a thermal break smoke ventilation façade frame. This CFLR can be used for natural smoke extraction in all types of buildings (ERP, ERT, industrial buildings). Different installations are possible: surface-mounted installation, tunnel installation, renovation installation, installation integrated into a curtain wall, between frames, with a transom and/or a spandrel.



OPTIONS AND FINISHING

Options

- Standby or safety position switches (certified option)
- Possibility of two-tone colouring: please contact us
- Special glazing on request: burglar-resistant, solar control, screen-printed, treated, acoustic, etc.

Finishing

- Painted in standard RAL colours
- Anodised in standard RAL colours
- Qualicoat / Qualimarine label

SIZE RANGE

Control

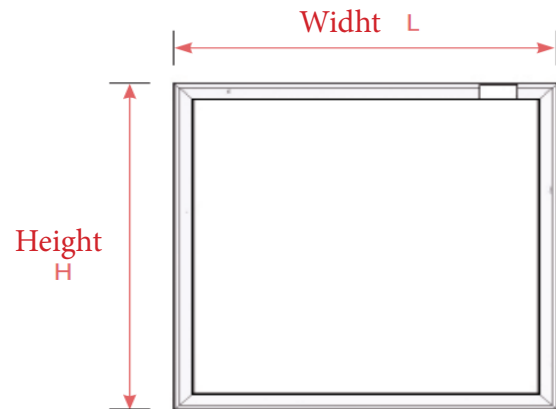
- Max: 1600 x 1600 mm and 2400 x 1200 mm
- Weight: 70 kg maximum (including opening panel)

TYPE AND OPENING ANGLE

- Opening type: external flap
- Opening angle: 60° max
- Maximum tilt: 0° from vertical

Course du câble

Overall chassis L x H (cm)	Maximum reset force (daN)	Course de câble* (mm)
50 x 50	< 100	1000
70 x 70		1200
80 x 80		1300
100 x 100		1500
150 x 100		2500
200 x 100		2500
120 x 120		170
240 x 120		2900
140 x 140		3300
150 x 150		3500
160 x 160		3700



* Corresponding to the transition from the waiting position to the safety position

The SKYBAIE TREUIL is supplied with 20ml of cable as standard.

Thermal and acoustic performance

Type of filling	Light trans- mission TL* (%)	Sun factor g* (%)	Filling weight (Kg/m ²)	Heat transfer from filling Ug (W·m ² ·K)	Acoustic attenuation of the filling R _w (C;C _{tr})*	Chassis sound attenuation R _w (C;C _{tr})
33.2 - 16 (Air) - 4	81	72	26	2.7	R _w = 35(-1;-5) dB RA,tr = 30 dB	R _w =36(-4;-8)
44.2 - 16 (Air) - 4	81	71	31	2.7	R _w = 37(-2;-6) dB RA,tr = 31 dB	R _w =36(-2;-6)
44.2 - 16 (Air) - 6	80	70	36	2.7	R _w = 37(-1;-3) dB RA,tr = 34 dB	R _w =36(-2;-6)
33.2 FE - 16 (Argon 90%) - 4	81	56	26	1.1	R _w = 35(-1;-5) dB RA,tr = 30 dB	R _w =36(-4;-8)
44.2 FE - 16 (Argon 90%) - 4	80	55	31	1.1	R _w = 37(-2;-6) dB RA,tr = 31 dB	R _w =36(-2;-6)
44.2 FE - 16 (Argon 90%) - 6	80	47	36	1.1	R _w = 37(-1;-3) dB RA,tr = 34 dB	R _w =36(-2;-6)
44.2 FE 1.0 - 16 (Argon 90%) - 6	75	36	36	1.0	R _w = 37(-1;-3) dB RA,tr = 34 dB	R _w =36(-2;-6)
44.2 CS 70/40 - 16 (Argon 90%) - 6	69	47	36	1.0	R _w = 37(-1;-3) dB RA,tr = 34 dB	R _w =36(-2;-6)
44.2 Ac. FE 1.0 - 20 (Argon 90%) - 66.2AC.	73	45	52	1.0	R _w = 49(-2;-8) dB RA,tr = 41 dB	R _w = 43(-1;-2) dB RA,tr = 41 dB
66.2 Ac. FE 1.0 - 16 (Argon 90%) - 66.2AC.	71	-	62	1.0	R _w = 51(-2;-6) dB RA,tr = 45 dB	R _w = 44(-1;-3) dB RA,tr = 41 dB
SKYDÔME panel	-	-	50	1.35	-	R _w = 41(0;-2) dB RA,tr = 39 dB
SKYDÔME panel + integrated heavy mass	-	-	50	1.35	-	R _w = 42(-1;-2) dB RA,tr = 40 dB

Open area (m²) and SUE (m²)

Values for a 60° angle

		Width (mm)																	
		700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
		Free surface (m₂)																	
Height (mm)	700	0.28	0.33	0.39	0.44	0.49	0.55	0.60	0.65	0.70	0.76	0.81	0.86	0.92	0.96	1.00	1.05	1.10	1.15
	800	0.33	0.40	0.46	0.52	0.59	0.65	0.71	0.77	0.84	0.90	0.96	1.03	1.09	1.15	1.22	1.28	1.33	1.39
	900	0.39	0.46	0.53	0.61	0.68	0.75	0.82	0.90	0.97	1.04	1.12	1.19	1.26	1.34	1.41	1.48	1.55	1.63
	1000	0.44	0.52	0.61	0.69	0.77	0.85	0.94	1.02	1.10	1.19	1.27	1.35	1.44	1.52	1.60	1.68	1.77	1.85
	1100	0.49	0.59	0.68	0.77	0.86	0.96	1.05	1.14	1.24	1.33	1.42	1.52	1.61	1.70	1.79	1.89	1.98	2.07
	1200	0.55	0.65	0.75	0.85	0.96	1.06	1.16	1.27	1.37	1.47	1.58	1.68	1.78	1.88	1.99	2.09	2.19	2.30
	1300	0.60	0.71	0.82	0.94	1.05	1.16	1.28	1.39	1.50	1.62	1.73	1.84	1.95	2.07	2.18	2.29		
	1400	0.65	0.77	0.9	1.02	1.14	1.27	1.39	1.51	1.64	1.76	1.88	2.00	2.13					
	1500	0.70	0.84	0.97	1.10	1.24	1.37	1.50	1.64	1.77	1.90	2.03	2.17						
	1600	0.76	0.90	1.04	1.19	1.33	1.47	1.62	1.76	1.90	2.04								
		Aa (m₂)																	
Height (mm)	700	0.20	0.23	0.25	0.28	0.30	0.33	0.35	0.38	0.40	0.42	0.45	0.47	0.50	0.52	0.54	0.57	0.59	0.62
	800	0.23	0.26	0.30	0.33	0.36	0.40	0.41	0.44	0.47	0.50	0.52	0.55	0.58	0.61	0.63	0.66	0.69	0.72
	900	0.25	0.3	0.34	0.38	0.41	0.45	0.48	0.51	0.54	0.57	0.60	0.63	0.66	0.70	0.73	0.76	0.79	0.82
	1000	0.28	0.33	0.38	0.42	0.47	0.51	0.55	0.58	0.62	0.65	0.69	0.72	0.75	0.79	0.82	0.86	0.89	0.92
	1100	0.30	0.36	0.42	0.47	0.52	0.56	0.61	0.66	0.70	0.73	0.77	0.81	0.85	0.88	0.92	0.96	0.99	1.03
	1200	0.32	0.38	0.45	0.51	0.56	0.62	0.67	0.72	0.77	0.82	0.86	0.90	0.94	0.98	1.02	1.06	1.10	1.14
	1300	0.35	0.42	0.48	0.55	0.61	0.67	0.73	0.79	0.84	0.89	0.93	0.97	1.01	1.07	1.11	1.14		
	1400	0.37	0.44	0.51	0.59	0.66	0.72	0.79	0.85	0.91	0.91	0.97	1.01	1.06	1.10	1.14			
	1500	0.40	0.47	0.54	0.61	0.70	0.78	0.84	0.91	0.98	1.04	1.09	1.14						
	1600	0.43	0.50	0.57	0.65	0.74	0.82	0.90	0.96	1.04	1.12								

PERFORMANCES AND CLASSIFICATION

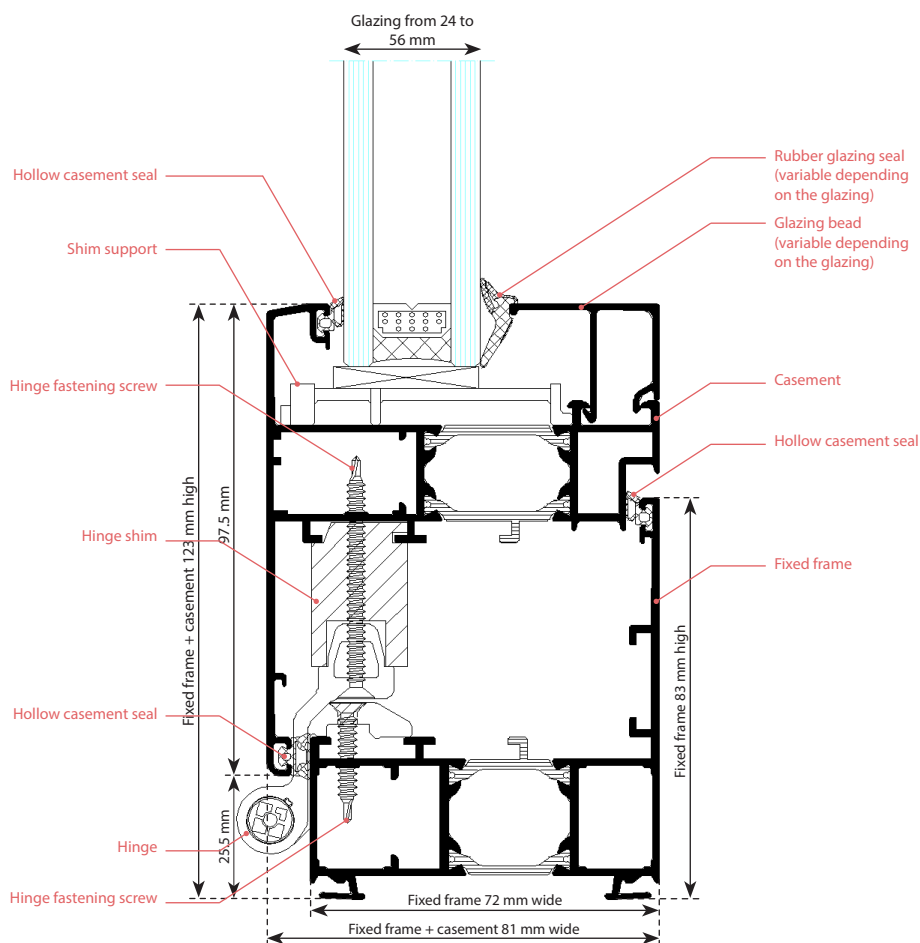
Operation : type B (open + close)
Useful surface : Aa
Aeraulic coefficient : $0.5 \leq C_v \leq 0.88$
Heat resistance : B300
Reliability : Re 1000 + Le 10000
Static wind resistance : WL 1500
Low temperature : T (00)
AEV rating : A*2 - E*9A - V*C2

CERTIFICAT CE ET NF

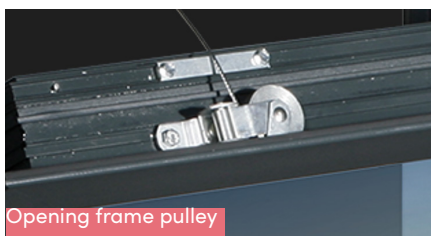
- The SKYBAIE opening systems comply with CE standards in accordance with EN 12101-2-2003.
- CE certification no.: **0333-CPR-219084**
- For NF in accordance with standard NF S 61937-1 (December 2003) & NF S 61937-7 (October 2010)
- NF Certification N°: **07/09.09**
- Report on the suitability for use of natural air supply mechanisms in facades in accordance with NF S 61937-1 (December 2003) & NF S 61937-8 (July 2018)
- PV Reference : **EFR-22-005093**

Profile

Profile geometry



Technic details





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For other applications and conditions of use, please contact our technical team. Their advice must be sought concerning uses of our products that are not described specifically herein.

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