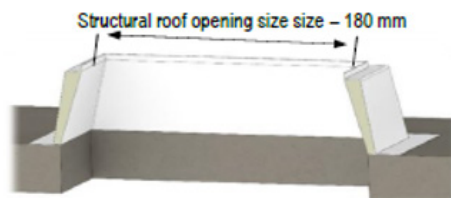


TremDome F100W Design information - dimensions



Structural roof opening size (mm)	Hinge side	Lighting area (m²)
500 x 1000		0.26
500 x 1500		0.42
600 x 600		0.18
600 x 900		0.30
600 x 1200		0.43
700 x 1350		0.61
800 x 800		0.38
800 x 1500		0.82
900 x 900		0.52
900 x 1200		0.73
900 x 1450		1.08
1000 x 1000		0.67
1000 x 1500		1.08
1000 x 2000		1.49
1000 x 2400		1.82
1000 x 2500		1.90
1000 x 3000		2.31
1200 x 1200		1.04
1200 x 1500		1.35
1200 x 1800		1.65
1200 x 2400		2.26
1200 x 2500		2.37
1200 x 2700		2.57
1200 x 3000		2.88
1250 x 1250		1.15

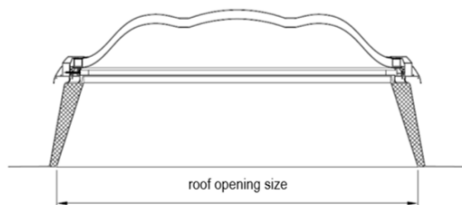
Structural roof opening size (mm)	Hinge side	Lighting area (m²)
1250 x 2500		2.48
1350 x 2300		2.48
1400 x 1400		1.49
1500 x 1500		1.74
1500 x 1800		2.14
1500 x 2000		2.40
1500 x 2100		2.53
1500 x 2400		2.93
1500 x 2500		3.06
1500 x 2700		3.33
1500 x 3000		3.72
1800 x 1800		2.62
1800 x 2100		3.11
1800 x 2400		3.60
1800 x 2500		3.75
1800 x 2700		4.08
1800 x 3000		4.57
1800 x 3200		4.89
2000 x 2000		3.31
2000 x 2500		4.22
2000 x 3500		6.04

Type	Glazing outside	Glazing centre	Glazing inside	Light transmission	Total energy transmittance	Sound insulation value Rw,p	Heat transmission Ut (W/m²K)
Triple glazed standard	opal	clear	clear	58%	0.58	-	1.9
	clear	clear	clear	68%	0.68	-	1.9

TremDome F100W

Design information - dimensions (continued)

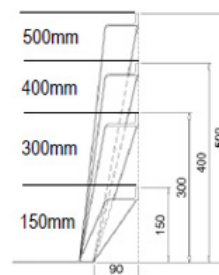
Roof opening size longer side* (mm)	Number of waves
600	2
800	2
900	2
1000	3
1200	3
1250	3
1350	4
1400	4
1450	4
1500	4
1800	5
2000	5
2100	6
2300	6
2400	7
2500	7
2700	8
3000	8



*the 2nd structural roof opening size (longer side) listed on the previous page is decisive for the number of waves

TremDome F100W

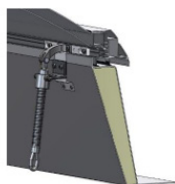
Design Information - upstand



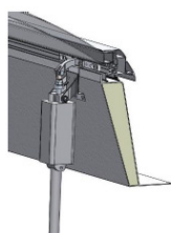
Upstand is delivered pre-assembled to the upper part for quick and easy site installation.
Standard upstand in a choice of heights: 150mm/300mm/400mm/500mm

TremDome F100W

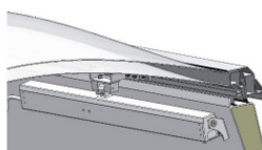
Design information - ventilation details



Manual opener



Spindle opener 24v/230v



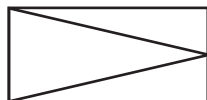
Chain drive 24v/230v

TremDome F100W

Design information - hinge side



Hinged on the short side



Hinged on the long side

TremDome Smokelife F100W (AOV)

Design information

The TremDome Smokelift F100W combines all the advantages of the TremDome F100W with the safety features of an EN 12101-2 certified electrical smoke and heat exhaust ventilator. It is suitable for flat roof residential and administrative or school building projects and achieves high levels of wind and rain resistance, excellent air tightness and thermal insulation values. In addition, the F100W AOV offers snow load certification (SL) from 500 – 2400 dependent on glazing and with multi stage ventilation fitted as standard, it provides safety in the event of a fire, and comfort for everyday use.

Ventilation function

A SHEV control system is required to operate the ventilation function. If this option is required, please request this prior to ordering and contact Tremco for operation details. The ventilation function has 2 opening positions; stage 1 (opening angle approx. 15°) and stage 2: (opening angle approx. 30°) Monitoring by wind and rain detectors is possible.

Opening angles: SHEVS: 165° +/-5°

Opening angles: Ventilation: 15° and 30°

Opening time SHEVS: < 60 seconds

Operating temperature: -15°C - 75°C

Operating voltage: 24v / 7.5A or 48v / 3A

Colour (Motor): As standard supplied mill-finish galvanised: powder coating to a standard RAL colour upon request

Reliability: RE 1,000 SHEV cycles /

10,000 natural ventilation cycles



1. Glazing: polycarbonate shell structured domed glazing
2. Steep upstand: Thermally insulated GRP with seamless silk-white interior finish (RAL 9016)
3. EN 12101-2 certified SHEV actuator
4. Actuator upper traverse
5. Frame: thermally broken white PVC (RAL 9016)

TremDome Smokelife F100W (AOV) Design information - dimensions

Available structural roof opening sizes (mm)	Fitting	Afa value (m ²)	Number of waves (steep upstand)
1000 x 1000	solo	0.71	3
1000 x 1500	solo	1.08	4
1000 x 2000	solo	1.44	6
1000 x 2400	solo	1.73	7
1000 x 2500	solo	1.80	7
1000 x 3000	tandem	2.07	9
1200 x 1200	solo	1.02	3
1200 x 1500	solo	1.30	4
1200 x 1800	solo	1.56	5
1200 x 2400	solo	2.10	7
1200 x 2500	solo	2.19	7
1200 x 2700	tandem	2.27	8
1200 x 3000	tandem	2.56	9
1250 x 1250	solo	1.11	3
1250 x 2500	solo	2.28	7
1400 x 1400	solo	1.41	4
1500 x 1500	solo	1.62	4
1500 x 1800	solo	1.97	5
1500 x 2000	solo	2.19	5
1500 x 2100	solo	2.30	6
1500 x 2400	solo	2.63	7
1500 x 2500	solo	2.74	7
1500 x 2700	tandem	2.88	8
1500 x 3000	tandem	3.20	9
1800 x 1800	solo	2.37	5
1800 x 2100	solo	2.76	6
1800 x 2400	solo	3.15	7
1800 x 2500	solo	3.33	7
1800 x 2700	tandem	3.50	8
1800 x 3000	tandem	3.89	9
2000 x 2000	solo	2.92	6



Solo motor



Tandem motor