

2. Range designation : AIRDOME

4. Company name of the manufacturer :

SKYDOME SAS - Entre deux villes - 02270 Sons et Ronchères - France - Head office & production

3. Product description

- Manual or electric ventilation device
- Galvanised steel frame ht310mm mini
- Size range
 - Square: length 0.5m to 1.6m; width 0.5m to 1.6m
 - Rectangular: length 1m to 2m; width 1m to 1.4m

3.1 Possible option :

- Fixed grid 1200 joules, Ø6 wire or 16x16 tube

3.2 Intended use : ROOF

3.3 Conditions of use and implementation related to certified performance

- Maximum allowed inclination of the unit in the roof :
 - Hinges parallel to the ridge:
 - Av<2m² : 25° soit 46, 65%
 - Av≥2m²: 20° or 36.45
 - Hinges perpendicular to the ridge
 - 3° or 5.24%.

6. Systems for assessment and verification of constancy of performance of the construction product

System 3 according to Annex ZA of the European Standard EN 1873

List of laboratories :

CSTC : NB 1136

CSTB : NB 0679

LNE : NB 0071

KPF : NB 1703

9. Declared performance :

Criteria	Performance	Normative references
Resistance to upward loads	UL1500 Polycarbonate honeycomb UL1500 double dome ≤ 2.8m ² above UL 1000	EN 1873, § 5.4.1
Resistance to downward loads	DL3000 Polycarbonate honeycomb DL1500 Dome	EN 1873, § 5.4.2
Reaction to fire	PCA: See table of fillings Steel: M0 Aluminium: M0	EN 1873, § 5.5
Exterior fire performance	F roof	EN 1873, § 5.7
Fire resistance :	PND	EN 1873 § 5.6
Watertightness	Success	EN 1873, § 5.3
Impact resistance : Small hard body : 1200J (Grid)	Success 1200j	EN 1873, § 5.4.3.1 EN 1873, § 5.4.3.2

Thermal Conductance: Urc	According to filling, please consult us	EN 1873, § 5.9.2.1
Thermal Conductance: plate	According to filling, please consult us	EN 1873, § 5.9.2.2
Direct airborne noise insulation (plate)	According to filling, please consult us	EN 1873, §5.10
Light transmission factor plate	According to filling, please consult us	EN 1873, §5.1
Sustainability	PCA 10 : ΔA , Cu 0, Ku 0 - / - PCA 16 : ΔD , Cu 0, Ku 0	EN 1873, § 5.2

Control :

Manual: opening with crankshaft on screw 175mm stroke

Electric: opening by 230V cylinder, 300mm stroke

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance given in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for the manufacturer and on its behalf by Thierry Badet, General Manager, at Sons et Ronchères.

Updated on 26/07/2022