

Creation date : 13/05/2022

DOP reference: PEL

2. Range designation : PYROMAX EVOLEC

Product variants concerned : PYROMAX EVOLUTION ELECTRIC

4. Name and business name of manufacturer :

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

3. Product description

- Double leaf, electric energy, 90° opening, installed on the roof
- Metal upstand ht310mm mini
- Styling (riser) metal ht310 mini
- Dimensional range (bass hopper)
 - length 2m to 3m; width 1,2m to 2.2m

3.1 Possible option :

- Fillings Pca 10 Pca 16, Pca 32, Insulated aluminum cover, Acoustik'Light
- Position switch
- Round grid Ø6mm or Square tube 16x16mm
- Anti-burglar retardant sawing grid

3.2 Intended use : ROOF

3.3 Conditions of use and implementation related to certified performance

- Maximum permissible inclination of the appliance in the roof:
 - Hinges perpendicular to the ridge:
 - $A_v \geq 2m^2$: 20° or 36,45%
 - Hinges parallel to the ridge
 - 3° or 5.25%

6. Systems for evaluating and verifying the constancy of the performance of the construction product

The notified body RESEARCH INSTITUTES OF SWENDEN AB has issued a certificate of constancy of performance in accordance with Annex ZA of EN 12101-2:2003 according to system 1 based on the initial factory inspection, factory production control and continuous monitoring of factory production control.☐

7. Construction product covered by harmonised standard EN 12101-2:

Certificate 0402-CPR-C500025 of 13/09/2020

9. Declared performance :

Criteria	Performance	Normatives references
Useful opening area Aa	See aeraulic performance tables	EN 12101-2, §6, annexes B
Opening the evacuation device	Type B	EN 12101-2, § 4.3
Reliability	RE 1000 + (10,000 daily aeration with optional kit)☒	EN 12101-2, § 7.1, annex C
Opening under load	SL250 to SL1500: See table of snow loads and working pressures☒	EN 12101-2, § 7.2, annex D
Low ambient temperature	T(-15°C)	EN 12101-2, § 7.3, annex E
Wind load	WL3000	EN 12101-2, § 7.4, annex F
Heat resistance	B ₃₀₀	EN 12101-2, § 7.5, annex G
Reaction to fire	PCA: next filling, contact us Steel: M0 Alu : M0☒	EN 12101-2, § 7.5.2.1 EN 1873, § 5.5
Outdoor fire	PND	EN 1873, § 5.7
Water sealing	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	Next filling, contact us	EN 1873, § 5.9.2.1
Thermal conductance : plate	Next filling, contact us	EN 1873, § 5.9.2.2
Direct airborne noise insulation (plate)	See table of fillings	EN 1873, §5.10
Light transmission factor plate	Next filling, contact us	EN 1873, §5.1
Air permeability	PND	EN 1873, §5.8
Durability	PCA 10 : ΔA, Cu 0, Ku 0 PCA 16 : ΔD, Cu 0, Ku 0	EN 1873, § 5.2

Aeraulic Performance Table

Off-range Sheathless


Airflow Header and extension ≥310mm											
la	120	130	140	150	160	170	180	190	200	210	220
Lo											
140											
150											
160											
170											
180											
190											
200	1,32		1,41	1,41	1,50		1,59		1,68		1,67
210	1,34		1,41	1,42	1,51		1,59		1,64		1,71
220	1,40		1,48	1,49	1,58		1,66		1,72		1,79
230	1,46		1,55	1,55	1,66		1,74		1,79		1,87
240	1,53		1,61	1,62	1,73		1,81		1,87		1,95
250	1,59		1,68	1,69	1,80		1,88		1,97		2,04
260	1,62		1,71	1,68	1,79		1,87		1,98		2,06
270	1,68		1,78	1,74	1,86		1,94		2,05		2,14
280	1,75		1,84	1,81	1,93		2,02		2,13		2,22
290	1,81		1,91	1,87	2,00		2,09		2,20		2,30
300	1,87		1,97	1,94	2,08		2,18		2,28		2,38

Tablea of snow loads

- ① 1 x SA Mini twin- 2 x 4A/2A (24V/48V)
- ② 2 x SA Mini twin - 2 x 6A/3A (24V/48V)
- ③ 2 x SA Mini twin (tamdem) - 4x4A /4x2A (24V/48V)

Internal dimensions [mm]		SL125	SL250	SL500	SL800	SL1000	SL1500
Length	Width						
1200	2000	①	①	①	①	①	①
1200	2100	①	①	①	①	①	①
1200	2200	①	①	①	①	①	①
1200	2300	①	①	①	①	①	①
1200	2400	①	①	①	①	①	①
1200	2500	①	①	①	①	①	①
1200	2600	①	①	①	①	①	①
1200	2700	①	①	①	①	①	①
1200	2800	①	①	①	①	①	①
1200	2900	①	①	①	①	①	①
1200	3000	①	①	①	①	①	①
1400	1400	①	①	①	①	①	①
1400	1500	①	①	①	①	①	①
1400	1600	①	①	①	①	①	①
1400	1700	①	①	①	①	①	①
1400	1800	①	①	①	①	①	①
1400	1900	①	①	①	①	①	①
1400	2000	①	①	①	①	①	①
1400	2100	①	①	①	①	①	①
1400	2200	①	①	①	①	①	①
1400	2300	①	①	①	①	①	①
1400	2400	①	①	①	①	①	①
1400	2500	①	①	①	①	①	①
1400	2600	①	①	①	①	①	①
1400	2700	①	①	①	①	①	①
1400	2800	①	①	①	①	①	①
1400	2900	①	①	①	①	①	①
1400	3000	①	①	①	①	①	①
1500	1500	①	①	①	①	①	①
1500	1600	①	①	①	①	①	①
1500	1700	①	①	①	①	①	①
1500	1800	①	①	①	①	①	①
1500	1900	①	①	①	①	①	①
1500	2000	①	①	①	①	①	①
1500	2100	①	①	①	①	①	①
1500	2200	①	①	①	①	①	①
1500	2300	①	①	①	①	①	①
1500	2400	①	①	①	①	①	①

1500	2500	1	1	1	1	1	1
1500	2600	1	1	1	1	1	1
1500	2700	1	1	1	1	1	1
1500	2800	1	1	1	1	1	1
1500	2900	1	1	1	1	1	1
1500	3000	1	1	1	1	1	1
1600	1600	1	1	1	1	1	N/A
1600	1700	1	1	1	1	1	N/A
1600	1800	1	1	1	1	1	N/A
1600	1900	1	1	1	1	1	N/A
1600	2000	1	1	1	1	1	N/A
1600	2100	1	1	1	1	1	N/A
1600	2200	1	1	1	1	1	N/A
1600	2300	1	1	1	1	1	N/A
1600	2400	1	1	1	1	1	N/A
1600	2500	1	1	1	1	1	N/A
1600	2600	1	1	1	1	1	N/A
1600	2700	1	1	1	1	1	N/A
1600	2800	1	1	1	1	1	N/A
1600	2900	1	1	1	1	1	N/A
1600	3000	1	1	1	1	1	N/A
1800	1800	1	1	1	1	1	N/A
1800	1900	1	1	1	1	1	N/A
1800	2000	1	1	1	1	1	N/A
1800	2100	1	1	1	1	1	N/A
1800	2200	1	1	1	1	1	N/A
1800	2300	1	1	1	1	1	N/A
1800	2400	1	1	1	1	1	N/A
1800	2500	1	1	1	1	1	N/A
1800	2600	1	1	1	1	1	N/A
1800	2700	1	1	1	1	1	N/A
1800	2800	1	1	1	1	1	N/A
1800	2900	1	1	1	1	1	N/A
1800	3000	1	1	1	1	1	N/A
2000	2000	1	1	1	1	1	N/A
2000	2100	1	1	1	1	1	N/A
2000	2200	1	1	1	1	1	N/A
2000	2300	1	1	1	1	2	N/A
2000	2400	1	1	1	1	2	N/A
2000	2500	1	1	1	1	2	N/A
2000	2600	1	1	1	1	2	N/A
2000	2700	1	1	1	2	2	N/A
2000	2800	1	1	1	2	2	N/A
2000	2900	1	1	1	2	2	N/A
2000	3000	1	1	1	2	2	N/A
2200	3000	1	1	1	2	2	N/A

10. The performance of the product identified in points 1 and 2 shall be consistent with the declared performance set out in point 9. This declaration of performance is drawn up under the sole responsibility of the manufacturer identified in point 4. 

Signed for the manufacturer and on his behalf by Thierry Badet, Managing Director, in Sons et Ronchères
Updated on 26/07/2022