

NATIONAL DECLARATION OF PERFORMANCE
No. 05/DA/2024

1. Name and trade name of the construction product: **Heat recovery ventilation system HEATPEX ARIA**
Pipe 63/75/90, Distribution box (12x63mm, 10x75mm, 8x90mm), Plenum box optionally with dumper (4x63mm, 3x75mm, 2x90mm), Main central connector 125/160/200, Main side connector 125/160, Horizontal coupling, Vertical coupling, Distribution box cover, Double socket coupling 63/75/90mm,

2. Unique identification of the construction product type:
HEATPEX ARIA CONNECT

3. Intended use:

Distribution of ventilation air in single-family houses

4. Name and address of the manufacturer and the place of manufacture of the product:

HEATPEX Sp. z o.o., ul. Trakt Św. Wojciecha 29, 80-044 Gdańsk

Place of manufacture: **ul. Spółdzielców 1, 83-314 Somonino**

5. Name and contact address of the authorized representative: not applicable

6. National system of assessment and verification of constancy of performance:

assessment system 3

7. National technical specifications:

7a. PN-EN 17192:2018 Ventilation for buildings – Ductwork – Non-metallic ductwork – Requirements and test methods

Name of accredited certification body, accreditation number and national certificate number: **Politechnika Krakowska - Laboratorium Inżynierii Ciepłej PCA nr AB 1632, Sychta Laboratorium AB 1501**

7b. National technical assessment: not applicable

Technical assessment body: not applicable

Name of accredited certification body, accreditation number and national certificate number: not applicable

8. Declared performance:


Essential characteristics of the construction product for the intended use	Declared performance	Remarks
Material (pipe)	polyethylene	
Material (distribution box, plenum box, main central connector, main side connector, horizontal coupling, vertical coupling, distribution box cover, double socket coupling)	polypropylene, EVA	
Service temperature	STL -5°C to STH +50°C	
Pressure drop (pipe)	63 mm – dla 20m ³ /h spadek ciśnienia 2,50Pa/m przy V=2,80m/s 75 mm – dla 30m ³ /h spadek ciśnienia 2,30Pa/m przy V=2,70m/s 90 mm – dla 50m ³ /h spadek ciśnienia 2.20 Pa/m przy V=3,10m/s	
Reaction to fire (pipe)	D-s2, d0 according to PN-EN 13501-1:2019-02	
Thermal resistance (pipe)	0.0472m ₀ K/W (0.00926m ² K/W)	
Air tightness	Class ATC1	
Resistance to external pressure	500N	
Mechanical connection	MC3	
Microbial resistance	R=3,3 ATCC6538P / R=2,6 ATCC8739 (reduction 100%)	

9. The performance of the product identified above is in conformity with the declared performance in point 8. This national declaration of performance is issued in accordance with the Construction Products Act of 16 April 2004 under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Gdańsk, 14.10.2024

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