

DECLARATION OF PERFORMANCE NO. 001-01-CPR-2017

1. Unique identification code of the product type:

Device for mechanical extraction of smoke and heat control systems (axial jet fan) mcr Bora, classification according to EN 13501-4:2016
 F₄₀₀120, F₃₀₀60, F₂₀₀120

2. Type, batch or serial No.:

A unique serial No. of each fan is provided on the label.

3. Intended use / uses:

Axial smoke jet fans, designed to operate as one or two speed fans in order to remove hot air, smoke and exhaust fumes.

4. Manufacturer:

MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production Site: ul.Kwarcowa 3a, Ciepłowo, Poland.

5. System of assessment and verification of constancy of performance of the product:

System 1.

6. Construction product covered by the harmonised standard:

EN 12101-3:2015.

7. Notified body name and No., certificate of conformity No.:

Notified Body No. 1488, ITB, ul. Filtrowa, 1 00-611 Warszawa, Poland.
 Certificate of Constancy of Performance: 1488-CPR-0585/W.

8. Declared performance:

No.	Essential characteristics	Standard	Performance
		EN 12101-3	
1	Response delay:		
	- opening under wind load within a given time	4.1.1	NPD
	- opening under snow load within a given time	4.1.1	NPD
2	Operational reliability:		
	- application categories	4.2.2	Single/Dual purpose use
			Thermally uninsulated
			Installation inside the smoke reservoir
			Horizontal position work
	- motor rating	4.2.3	H, Δ80K
3	Effectiveness of smoke/ hot gas extraction:		
	- pressure maintenance during smoke and heat extraction test	4.3.2	Pass (-20%, +50%)
4	Resistance to fire	4.4	F ₄₀₀ 120 F ₃₀₀ 60 F ₂₀₀ 120
5	Ability to open under environmental conditions:		
	- opening under wind load within a given time	4.5	NPD
	- opening under snow load within a given time		NPD
6	Durability of operational reliability		H, Δ80K

9. Additional properties:

The fan can cooperate with additional equipment:

- Service switch with appropriate fire resistance type WS
- SZ type terminal box
- suspension system with vibration compensation, AM type
- KT type deflectors
- SO type protective mesh

The performance of the product identified above is in conformity with the set of declared performance/s (point 8). This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.



Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ

Gdańsk, 14.07.2025

Tomasz Kobyliński

Rev. 6