

## 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

F<sub>400</sub>120

F<sub>300</sub>60

F<sub>200</sub>120

**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 SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Zakład Produkcyjny [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:**

Essential characteristics	Standard in EN 1201-3	Performance
<b>Response delay:</b> - Opening under wind load within a given time - Opening under snow load within a given time	4.1.1	NPD
	4.1.1	NPD
<b>Operational reliability:</b> - 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

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**Systemy zabezpieczeń przeciwpożarowych**  
**Fire protection systems**

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<b>Effectiveness of smoke / hot gas extraction:</b> Pressure maintenance during smoke and heat extraction test	4.3.2	(-20%, +50%)
<b>Resistance to fire</b>	4.4	F <sub>400</sub> 120 F <sub>300</sub> 60 F <sub>200</sub> 120
<b>Ability to open under environmental conditions</b> - Opening under wind load within a given time - Opening under snow load within a given time	4.5 4,5	NPD NPD
<b>Durability of operational reliability</b>	4.6	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.

Gdańsk, 20.10.2023



Tomasz Kobyliński  
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SYSTEMÓW WENTYLACJI POŻAROWEJ  
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