

DECLARATION OF PERFORMANCE

NR 003-10-CPR-2025

1. **Unique identification code of the product type:**
 Device for mechanical extraction of smoke and heat control systems (axial fan) mcr Monsun C or mcr Monsun C/ATEX or mcr Monsun C/PLUS or mcr Monsun C/PLUS/ATEX, classification according to EN 13501-4:2016 F₃₀₀120
2. **Type, batch or serial No.:**
 A unique serial No. of each fan is provided on the label.
3. **Intended use / uses:**
 Axial smoke fans, designed to operate as one or two speed fans in order to remove hot air, smoke and exhaust fumes created in premises during a fire.
4. **Manufacturer:**
 "MERCOR Light&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk,
 Production plant: 24/32308005 and 24/32307533
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. 0370, LGAI Technological Center, S.A. (APPLUS)
 Certificate of Constancy of Performance: 0370-CPR-1844.
8. **Declared performance:**

Essential characteristics	Standard EN	Performance
Response delay:		
- opening under wind load within a given time	4.1.1	NA
- opening under snow load within a given time	4.1.1	NA
Operational reliability:		
- application categories	4.2.2	Dual purpose use Thermally uninsulated Installation outside or inside the smoke reservoir Direct or converter feed Air flow in horizontal and vertical direction
- motor rating	4.2.3	H, 105K; H,80K
Effectiveness of smoke/ hot gas extraction:		

- gas flow and pressure maintenance during smoke and heat extraction test	4.3.2	[-20, +50] % Pass
Resistance to fire:	4.4	F ₃₀₀ 120
Ability to open under environmental conditions:		
- opening under wind load within a given time	4.5	NA
- opening under snow load within a given time		NA
Durability of operational reliability:	4.6	H, 105K H, 80K

9. Additional properties:

The fan can cooperate with additional equipment:

- External connection boxes
- Flexible connections
- Service switches
- Frequency inverters
- Vibration sensors

The fan is designed for horizontal and vertical operation.
The airflow inside the fan is two-way.

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

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Gdańsk, 2025-10-31

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