

DECLARATION OF PERFORMANCE NR 005-00-CPR-2014

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 F₄₀₀120

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-1843.

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 ₄₀₀ 120
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.

Gdańsk, 2025-10-31


Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ
Tomasz Kobyliński

Rev. 4