

## DECLARATION OF PERFORMANCE NR 004-00-CPR-2014

**1. Unique identification code of the product type:**

Device for mechanical extraction of smoke and heat control systems (axial fan) mcr Monsun R or mcr Monsun R/CL or mcr Monsun R/ATEX or mcr Monsun R/CL/ATEX, classification according to EN 13501-4:2016 F<sub>300</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 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
<b>Response delay:</b>		
- opening under wind load within a given time	4.1.1	NA
- opening under snow load within a given time	4.1.1	NA
<b>Operational reliability:</b>		
- 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
<b>Effectiveness of smoke/ hot gas extraction:</b>		

- gas flow and pressure maintenance during smoke and heat extraction test	4.3.2	[-20, +50] % Pass
Resistance to fire:	4.4	F <sub>300</sub> 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
- Protective grids and deflectors with long housing
- Counter flanges
- Flexible connections
- Mounting feet
- Service switches
- Noise silencers
- Automatic check dampers
- 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  
Tomasz Kobyliński

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