

## 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 and mcr Monsun R/ATEX, classification according to EN 13501-4:2016  
F<sub>300</sub> 60
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" SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production plant: 16/32301598 and 16/32301629.
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:**

No.	Essential characteristics	Standard	Performance
		EN 12101-3	
1	<b>Response delay:</b>		
	- 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	<b>Operational reliability:</b>		
	- application categories	4.2.2	Thermally uninsulated
			Installation outside the smoke reservoir
			Direct feed
			Dual purpose use
	- motor rating	4.2.3	NPD
3	<b>Effectiveness of smoke/ hot gas extraction:</b>		
	- gas flow and pressure maintenance during smoke and heat extraction test	4.3.2	Pass
4	<b>Resistance to fire</b>	4.4	F <sub>300</sub> 60
5	<b>Ability to open under environmental conditions:</b>		
	- opening under wind load within a given time	4.5	NPD
	- opening under snow load within a given time		SL0
6	<b>Durability of operational reliability</b>	4.6	NPD

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

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**9. Additional properties:**

The fan can cooperate with additional equipment:

- External connection box,
- Silencers,
- Support feets
- Protection guard for long-cased
- Coupling flange
- Elastic coupling to absorb vibration
- Safetly switches stop-start
- Self-closing shutter

Fan: Horizontal and vertical position work.

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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Tomasz Kobyliński

Gdańsk, 2022-12-12

Rev. 4