

DECLARATION OF PERFORMANCE NR 003-00-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 mcr Monsun R/CL and mcr Monsun R/ATEX and mcr Monsun R/CL/ATEX, classification according to EN 13501-4:2016
F₄₀₀ 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” SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production plant: 19/32301184 and 19/32301185.
- 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:**

No.	Essential characteristics	Standard	Performance
		EN 12101-3	
1	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
2	Operational reliability:		
	- application categories	4.2.2	Thermally uninsulated Installation outside the smoke reservoir Direct/converter feed Dual purpose use
	- motor rating	4.2.3	NPD
3	Effectiveness of smoke/ hot gas extraction:		
	- gas flow and pressure maintenance during smoke and heat extraction test	4.3.2	Pass
4	Resistance to fire	4.4	F ₄₀₀ 120
5	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
6	Durability of operational reliability	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
- Frequency converter

Fan: Horizontal and vertical position work.

Fan: Flow direction inside the fan: motor upstream and motor downstream.

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, 2022-12-12



mercor
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SYSTEMÓW OCHRONY PRZECIWPÓŻAROWEJ

Rev. 4

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