

## DECLARATION OF PERFORMANCE NR 001-01-CPR-2023

- Unique identification code of the product type:**  
Device for mechanical extraction of smoke and heat control systems (axial fan) mcr Monsun T, classification according to EN 13501-4:2016, placed in an insulated box housing with a hinged hatch - L type  
F<sub>400</sub>120
- Type, batch or serial No.:**  
A unique serial No. of each fan is provided on the label.
- 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.
- Manufacturer:**  
“MERCOR” SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production plant: 20/32302521.
- System of assessment and verification of constancy of performance of the product:**  
System 1.
- Construction product covered by the harmonised standard:**  
EN 12101-3:2015.
- 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-4315.
- 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	NA
	- opening under snow load within a given time	4.1.1	NA
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>400</sub> 120
5	<b>Ability to open under environmental conditions:</b>		
	- opening under wind load within a given time	4.5	NA
	- opening under snow load within a given time		NA
6	<b>Durability of operational reliability</b>		NPD

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

„MERCOR” S.A.

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**9. Additional properties:**

The fan can cooperate with additional equipment:

- External connection box,
- Counter flanges
- Start-stop serwis switch

The ability to open the fan's damper in environmental conditions, in the specified time, according to Bureau Veritas report No 4083. Tested according to EN12101-3

**SL1000**

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, 2023-01-05

Rev. 1