

DECLARATION OF PERFORMANCE NR 003-07-CPR-2025

1. **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
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" SA, ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Production plant: 20/32302521.
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. 2184, Efectis ERA Varasya Test VE
Certificate of Constancy of Performance: 2184-CPR-0461
8. **Declared performance fan:**

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 inside the smoke reservoir
			Direct feed
			Dual purpose use
			Air flow in vertical direction
	- 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:		NPD

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 box housing damper in environmental conditions, in the specified time, according to Bureau Veritas report No 4083. Tested according to EN12101-3

SL1000, 30s

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

Gdańsk, 2025-07-14

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Tomasz Kobyliński

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