

DECLARATION OF PERFORMANCE NO. 001-01-CPR-2021

1. Unique identification code of the product type:

Device for mechanical extraction of smoke and heat control systems (radial fan) mcr Pasat, classification according to EN 13501-4:2016

F₄₀₀120

F₆₀₀60

2. Type, batch or serial No.:

A unique serial No. of each fan is provided on the label.

3. Intended use / uses:

Powered smoke and heat exhaust radial ventilators, 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 and within general ventilation systems.

4. Manufacturer:

MERCOR Ligh&Vent Sp. z o.o., ul. Grzegorza z Sanoka 2, 80-408 Gdańsk, Zakład Produkcyjny [Production Site], ul. Kwarцова 3a, Ciepłowo.

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. 2434, Centrum Techniki Okrętowej S.A., ul. Szczecińska 65, 80-392 Gdańsk, Poland.

Certificate of Conformity: 2434-CPR-0221

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	NPD
	- opening under snow load within a given time	4.1.1	NPD
2	Operational reliability:		
	- application categories	4.2.2	Thermally uninsulated
			Installation outside the smoke reservoir
			Vertical direction of motor shaft
			Converter feed/ direct feed
			Dual purpose use
	- motor rating	4.2.3	Emergency use F, Δ80K
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 F ₆₀₀ 60
5	Ability to open under environmental conditions:		
	- opening under wind load within a given time	4.5	NPD
	- opening under snow load within a given time		NPD
6	Durability of operational reliability		F, Δ80K

9. Additional properties:

The fan can cooperate with additional equipment:

- automatic back draft damper KS[V] type
- flexible connection KD type
- counter flange PK type
- roof base PD-T type
- service switch WS type
- mounting adapter KSZ type

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Gdańsk, 01.07.2025



Tomasz Kobyliński
KIEROWNIK ZAKŁADU PRODUKCJI
SYSTEMÓW WENTYLACJI POŻAROWEJ

Tomasz Kobyliński

Rev. 3