



Fire Safety Certification Product Approval

LGAI Technological Center S.A. (APPLUS), according to the requirements of the SPC-102 Ed. 8, certifies the performances stated in the technical annex following the reference standard for:

COMPANY

Mercor Light & Vent SP. Z.o.o.

Ul. Grzegorza Z Sanoka 2
80-408 Gdansk (Poland)

Manufactured

Street Kwaracza 3
83-031 Cieplewo (Poland)

PRODUCT

MCR-LAM

STANDARD REFERENCE

EN 12101-2:2003

Smoke and heat control systems. Part 2: Specification for natural smoke and heat exhaust ventilators

PRODUCT DETAILS AND TEST REPORT

Please check at the technical annex file and the test reports n° FR-049-09-AUNE, FR-050-09-AUNE, FR-116-12-AUNE and FR-156-11-AUNE

This document is not valid without its technical annex; whose number coincides with that of the certificate.

No. APF-1958

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Conformity Assessment



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Check the status
of this certificate

Certificate

Technical Annex

Annex according to EN 12101-2:2003

Smoke and heat control systems. Part 2: Specification for natural smoke and heat exhaust ventilators.

Certified performances

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
Nominal activation conditions/sensitivity	4.1 4.2	NA
Response relay (time relay)	7.1.2	NA
Operational reliability	7.1 7.4	NA
Effectiveness of smoke/hot gas extraction	6.	NA
Aerodynamic free surface	6.	NA
Performance parameters under fire conditions	7.5	30
Resistance to fire - Mechanical stability	7.5	B ₃₀₀
Ability to open under environmental conditions	7.2 7.3	NA
Fire reaction	7.5.2.1	NA

PASS; NPD = No Performance Determined; NA = Not Applicable

Product

Natural smoke and heat exhaust ventilator (NSHEV) "MCR-LAM".

Product range models:

Model	Actuator		Dimensions (width x length)	Number of blades
	Type	Reference		
MCR LAM-15-200-H.50-C2-PCA16	Pneumatic	PVZ 40/1-01-190	3000 x 2000 mm	15
MCR LAM-15-200-H.50-E1-PCA16	Electric	MCR W26F-190	2000 x 3000 mm	15
MCR LAM-19-250-H.250-H.15, AIP1-C3-PCA16	Pneumatic	P50/12-180-380-10-ZSV-BB10-1x12/6	2500 x 3800 mm	19
MCR LAM-15-250-H.50-C1-PCA16	Pneumatic	P50/12-12-380-10-ZSV-BB10-1x12/6	2500 x 3000 mm	15

Smaller dimensions are allowed.

For smaller dimensions, its assembly, configuration and actuators shall be the same than the bigger dimensions.