
Title:

Motor range reference "W21/W22" for smoke extraction at 400°C/2h in accordance with EN 12101-3:2015, "Smoke and heat control systems. Part 3: Specification for powered smoke and heat control ventilators (Fans)" (equivalent to the UNE EN 12101-3:2016).

Tested range:

Motor range reference "W21/W22" supplied by WEG

File number: 16/9362-558-3 Reduced

Test Sponsor:

WEG IBERIA INDUSTRIAL, S.L.U

Calle Tierra de Barros 5-7

28823 Coslada (Madrid)

Report date:

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This document consists of 3 pages

CONCLUSION:

After performing the tests on fan models indicated above with 400°C/2 hours, as indicated in the attached technical documentation, the motor range "W22/W21" indicated in the annex can be considered (for detailed list of models see annex).

The summary of the covered models is:

LINE: W22/W21 SMOKE EXTRACTION 400°C/2H AT 50Hz (single speed)

Efficiency: IE1, IE2, IE3

Poles: 2, 4, 6, 8

Enclosure: TEFC and TEAO

Insulation Class: H

Grease: Krytox GPL 225 and Mobil Polyrex EM

Output Power (kW): from 0.37 kW up to 500kW

Frame sizes: from 80 up to 355

Class: F₄₀₀ 120 (minimum of 120 minutes of performance at 400°C)

LINE: W22/W21 SMOKE EXTRACTION 400°C/2H AT 50Hz (double speed)

Poles: 4/2, 6/4, 8/4, 12/6

Enclosure: TEFC and TEAO

Insulation Class: H

Grease: Krytox GPL 225 and Mobil Polyrex EM

Output Power (kW): from 0.2/0.55 kW up to 40/160kW

Frame sizes: from 80 up to 315

Class: F₄₀₀ 120 (minimum of 120 minutes of performance at 400°C)

LINE: W22/W21 SMOKE EXTRACTION 400°C/2H AT 60HZ

Efficiency: IE1, IE2, IE3

Poles: 2, 4, 6, 8

Enclosure: TEFC and TEAO

Insulation Class: H

Grease: Krytox GPL 225 and Mobil Polyrex EM

Output Power (kW): from 0.37 kW up to 500kW

Frame sizes: from 80 up to 355

Class: F₄₀₀ 120 (minimum of 120 minutes of performance at 400°C)

Fire Laboratory Responsible
LGAI Technological Center S.A.

Fire Resistance Responsible
LGAI Technological Center S.A.

The results exclusively refer to the sample, product or material provided to the Laboratory which have been tested under the conditions mentioned in this document.

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Within the framework of our improvement programme, we appreciate any comment you may deem appropriate, addressing them to the responsible who signs this document or to the Quality Director of Applus+, to the e-mail address: satisfaccion.cliente@applus.com