

Test Report

Morsø S12

NS-EN 13240 Roomheaters fired by solid fuel – Requirements and test methods

Author(s) Thai Trung Mai



SINTEF NBL as Reaction and resistance 2012-06-11

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KEYWORDS:

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EN 13240

Nominal output

Safety distances

DIN+

Dust

NOx OGC **Test Report**

Morsø S12

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VERSION

1

DATE

2012-06-11

AUTHOR(S)

Thai Trung Mai

CLIENT(S)

Morsø Jernstøberi A/S

CLIENT'S REF.

Frank Juel Nielsen

PROJECT NO.

102044.17

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ACCREDITATION TEST 014

9/2

ABSTRACT

Morsø S12 fulfils the requirements in EN 13240.

The safety distances are shown in Appendix I, page 3

Carbon monoxide (CO) at 13 % O2: 0.05 %,

Organic gaseous compound (OGC) at 13 % O2: 101 mg/sm3

Efficiency at nominal heat output, 6.1 kW: 87 %

Test results according to certification programme DINplus

NOx, mg/Nm3 at 13 % O2: 94 mg/Nm3

Organic gaseous compound (OGC) at 13 % O₂: 110 mg/Nm³

Dust: 12.2 mg/Nm³

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CLASSIFICATION

Confidential

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E\PRO\102044\17 Testing av Morsø S12\Rapport E\lands13240 - Morsø s12.doex

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Deres ref.:

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Vår ref.:

HMI

Prosjekt / Sak: 102044.17 Dato 2014-03-19

Assessment of exterior changes made at Morsø S12.

The stove Morsø S12 has been tested at SINTEF NBL with test results declared in test reports 102044.17A and B. As a part of a further development of the stove, Morsø Jernstøberi has requested an assessment of the impact of the following changes:

- Door to space in base of stove is removed.
- Change of door to make a better visual finish.
- Door closing mechanism replaced by a turnable handle.
- Air control handle position moved from front to side of stove.
- Air control opening and movement of handle will not be changed, but changes in design will be made to improve the material thickness.

SP Fire Research (former SINTEF NBL) has assessed the proposed changes. It is our opinion that the described changes not will affect the test results described in test reports 102044.17A and B and the changes is thus accepted without further testing.

Best regards

SP Fire Research as

Herbjørg M. Ish

Engineer

Attached:

Drawing S12-513 a (28-02-2014) and pictures of Morsø S12 with new design.





Ny Morsø S12



Front af ny Morsø S12. Nyt håndtag. Dør til rum under brændkammer fjernet.



Ny type håndtag

