

Heating boilers —

Part 6: Heating boilers with forced draught burners — Specific requirements for the domestic hot water operation of combination boilers with atomizing oil burners of nominal heat input not exceeding 70 kW

The European Standard EN 303-6:2000 has the status of a British Standard

ICS 91.140.10; 91.140.65

National foreword

This British Standard is the official English language version of EN 303-6:2000.
The UK participation in its preparation was entrusted to Technical Committee RHE/10, Heating boilers, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

The British Standards which implement international or European publications referred to in this document may be found in the BSI Standards Catalogue under the section entitled “International Standards Correspondence Index”, or by using the “Find” facility of the BSI Standards Electronic Catalogue.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 17 and back cover.

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English version

**Heating boilers - Part 6: Heating boilers with forced draught burners -
Specific requirements for the domestic hot water operation of
combination boilers with atomizing oil burners of nominal heat input
not exceeding 70 kW**

Chaudières de chauffage - Partie 6: Chaudières avec
brûleurs à air soufflé - Exigences spécifiques à la fonction
eau chaude sanitaire des chaudières à deux services avec
brûleurs fioul à pulvérisation dont le débit calorifique
nominal est inférieure ou égale à 70 kW

Heizkessel - Teil 6: Heizkessel mit Gebläsebrenner -
Spezielle Anforderungen an die trinkwasserseitige Funktion
von Kombi-Kesseln mit Ölzerstäubungsbrennern mit einer
Nenwärmeleistung kleiner als oder gleich 70 kW

This European Standard was approved by CEN on 21 November 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
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EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 57, Central heating boilers, the Secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by July 2000, and conflicting national standards shall be withdrawn at the latest by July 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

The following structure is intended for the European standards for heating boilers:

EN 303-1

Heating boilers – Part 1: Heating boilers with forced draught burners – Terminology, general requirements, testing and marking

EN 303-2

Heating boilers – Part 2: Heating boilers with forced draught burners – Special requirements for boilers with atomizing oil burners

EN 303-3

Heating boilers – Part 3: Gas fired central heating boilers – Assembly comprising a boiler body and a forced draught burner

EN 303-4

Heating boilers – Part 4: Heating boilers with forced draught burners – Special requirements for boilers with forced draught oil burners with outputs up to 70 kW and a maximum operating pressure of 3 bar – Terminology, special requirements, testing and marking

EN 303-5

Heating boilers – Part 5: Special heating boilers for solid fuels, hand and automatically stoked, nominal heat output of up to 300 kW – Terminology, requirements, testing and marking

EN 304

Heating boilers – Test code for heating boilers for atomizing oil burners

Annex A of this European Standard is informative.

1 Scope

This standard supplements EN 303-1, EN 303-2, EN 303-4 and EN 304/A1 hereafter called boiler standards. It specifies the supplementary requirements and tests for the construction, safety, rational use of energy, fitness for purpose, classification and marking related to the domestic hot water operation of oil-fired combination boilers of nominal heat output not exceeding 70 kW.

The domestic hot water is produced on either the instantaneous or storage principle. The domestic hot water production is integrated or coupled, the whole being marketed as a single unit.

This standard does not apply to appliances which operate independently of each other - a boiler and a water heater - even if they have a common flue. Neither does the standard apply to a boiler and water storage tank which are not included within the same casing.

This standard only covers type testing.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 303-1:1999

Heating boilers – Part 1: Heating boilers with forced draught burners – Terminology, general requirements, testing and marking

EN 303-2

Heating boilers – Part 2: Heating boilers with forced draught burners – Special requirements for boilers with atomizing oil burners

EN 304/A1

Heating boilers – Test code for heating boilers for atomizing oil burners; Amendment A1

ISO 7-1

Pipe threads where pressure-tight joints are made on the threads – Part 1: Dimensions, tolerances and designation

ISO 228-1

Pipe threads where pressure-tight joints are not made on the threads – Part 1: Dimensions, tolerances and designation

ISO 274

Copper tubes of circular section – Dimensions

3 Definitions

For the purposes of this standard, the following definitions apply:

3.1 combination boiler: boiler designed both for central heating and for the production of domestic hot water. Depending on its type of domestic hot water production, the combination boiler is classed as follows, in accordance with the manufacturer's declaration:

- instantaneous type

A combination boiler which can continuously supply the specific domestic hot water rate "D" stated by the manufacturer.