



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 625:1996

ICS 91.140.10

**GAS-FIRED CENTRAL HEATING BOILERS -
SPECIFIC REQUIREMENTS FOR THE
DOMESTIC HOT WATER OPERATION OF
COMBINATION BOILERS OF NOMINAL HEAT
INPUT NOT EXCEEDING 70 KW**

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

*This Irish **Standard** was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
June 14, 1996*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 1996

Price Code I

Údarás um Chaighdeáin Náisiúnta na hÉireann

DECLARATION

OF

SPECIFICATION

ENTITLED

GAS-FIRED CENTRAL HEATING BOILERS - SPECIFIC REQUIREMENTS FOR THE
DOMESTIC HOT WATER OPERATION OF COMBINATION BOILERS OF NOMINAL HEAT
INPUT NOT EXCEEDING 70 KW

AS

THE IRISH STANDARD SPECIFICATION FOR

GAS-FIRED CENTRAL HEATING BOILERS - SPECIFIC REQUIREMENTS FOR THE
DOMESTIC HOT WATER OPERATION OF COMBINATION BOILERS OF NOMINAL HEAT
INPUT NOT EXCEEDING 70 KW

Forfás in exercise of the power conferred by section 20 (3) of the Industrial Research and Standards Act, 1961 (No. 20 of 1961) and the Industrial Development Act, 1993 (No. 19 of 1993), and with the consent of the Minister for Enterprise and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Gas-fired central heating boilers - Specific requirements for the domestic hot water operation of combination boilers of nominal heat input not exceeding 70 kW) Declaration, 1996.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Gas-fired central heating boilers - Specific requirements for the domestic hot water operation of combination boilers of nominal heat input not exceeding 70 kW. The Schedule comprises the text of EN 625 : 1995.

(2) The said standard specification may be cited as Irish Standard/EN 625:1996 or as I.S./EN 625:1996.

EUROPEAN STANDARD

EN 625

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 1995

ICS 27.060.30; 91.140.10; 91.140.60

Descriptors: heaters, gas appliances, central heating, water production, boilers, burners, definitions, equipment specifications, performance evaluation, tests, safety, energy, consumption, operating requirements, marking, name plates, classifications

English version

**Gas-fired central heating boilers - Specific
requirements for the domestic hot water operation
of combination boilers of nominal heat input not
exceeding 70 kW**

Chaudières de chauffage central utilisant les combustibles gazeux - Exigences spécifiques à la fonction eau chaude sanitaire des chaudières à deux services dont le débit calorifique nominal est inférieur ou égal à 70 kW

Heizkessel für gasförmige Brennstoffe - Spezielle Anforderungen an die Trinkwasserseitige Funktion von Kombi-Kesseln mit einer Nennwärmebelastung kleiner als oder gleich 70 kW

This European Standard was approved by CEN on 1995-03-06. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Contents	Page
Foreword	4
1 Scope	5
2 Normative references	5
3 Definitions	5
3.1 Combination boiler	5
3.2 "Summer" operating mode	6
3.3 Specific rate.....	6
3.4 Nominal domestic hot water heat input.....	6
3.5 Maximum water service pressure	6
3.6 Tank	6
3.7 Thermal store.....	6
3.8 Temperature relief valve	6
3.9 Proportional control of the domestic hot water operation	7
3.10 Thermostatic control of the domestic hot water operation.....	7
3.11 Temperature holding thermostat.....	7
4 Constructional requirements	7
4.1 Materials and method of construction of components of the domestic water circuit.....	7
4.2 Domestic water connections.....	7
4.3 Soundness of the domestic water circuit.....	7
4.4 Adjusting, control and safety devices for the domestic hot water circuit.....	8
5 Operational requirements	8
5.1 General.....	8
5.2 Safety of the domestic hot water circuit.....	8
5.2.1 Instantaneous and storage types.....	8
5.2.2 Instantaneous type.....	9
5.2.3 Storage type.....	9
5.3 Rational use of energy	9
5.3.1 Useful efficiency	9
5.3.2 Losses	9
5.4 Fitness for purpose.....	10
5.4.1 Instantaneous and storage types - Specific rate.....	10
5.4.2 Instantaneous type.....	10
6 Test methods	10
6.1 General.....	10
6.1.1 Adjustment of the domestic water pressure	11
6.1.2 Operation of the boiler	11
6.2 Safety of the domestic hot water circuit.....	11
6.2.1 Instantaneous and storage types.....	11
6.2.2 Instantaneous type.....	11
6.2.3 Storage type.....	12
6.3 Rational use of energy	12
6.3.1 Useful efficiency	12
6.3.2 Losses	13
6.4 Fitness for purpose.....	15
6.4.1 Instantaneous and storage types - Specific rate.....	15
6.4.2 Instantaneous type.....	16

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-