

IRISH STANDARD

I.S. EN 308:1997

ICS 27.060.30

HEAT EXCHANGERS - TEST PROCEDURES
FOR ESTABLISHING PERFORMANCE OF AIR
TO AIR AND FLUE GASES HEAT RECOVERY
DEVICES

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 October 17, 1997

NO COPYING WITHOUT NSAI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

© NSAI 1997

Price Code J

Údarás um Chaighdeáin Náisiúnta na hÉireann

This is a free page sample. Access the full version online.

DECLARATION

OF

SPECIFICATION

ENTITLED

HEAT EXCHANGERS - TEST PROCEDURES FOR ESTABLISHING PERFORMANCE OF AIR TO AIR AND
FLUE GASES HEAT RECOVERY DEVICES

AS

THE IRISH STANDARD SPECIFICATION FOR

HEAT EXCHANGERS - TEST PROCEDURES FOR ESTABLISHING PERFORMANCE OF AIR TO AIR AND FLUE GASES HEAT RECOVERY DEVICES

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

- 1. This instrument may be cited as the Standard Specification (Heat exchangers Test procedures for establishing performance of air to air and flue gases heat recovery devices) Declaration, 1997.
- 2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Heat exchangers Test procedures for establishing performance of air to air and flue gases heat recovery devices. The Schedule comprises the text of EN 308:1997.
- (2) The said standard specification may be cited as Irish Standard EN 308:1997 or as 1.S. EN 308:1997.
- 3. (1) The Standard Specification (Heat exchangers Test procedures for establishing performance of air to air and flue gases heat recovery devices) Declaration, 1992, is hereby revoked.
- (2) Reference in any other standard specification to the Instrument hereby revoked and to Irish Standard/ENV 308:1992 thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard/EN 308:1997.

This is a free page sample. Access the full version online.

EUROPEAN STANDARD

EN 308

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 1997

Supersedes ENV 308:1990

ICS 27.060.30

Descriptors:

heat transfer, heat exchangers, regenerative heaters, definitions, tests, measurement, thermodynamic properties

English version

Heat exchangers - Test procedures for establishing performance of air to air and flue gases heat recovery devices

Echangeurs thermiques - Procédures d'essai pour la détermination de la performance des récupérateurs de chaleur air/air et air/gaz Wärmeaustauscher - Prüfverfahren zur Bestimmung der Leistungskriterien von Luft/Luft- und Luft/Abgas-Warmerückgewinnungsanlagen

This European Standard was approved by CEN on 1996-12-27. 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

Page 2 EN 308:1997

Cont	Page	
Fore	word	4
Introd	5	
1	Scope	5
2	Normative references	6
3	Symbols and subscripts	7
4	Definitions	. 8
4.1	Heat recovery device	8
4.2	Mass flows	8
4.3	Ratios	8
4.4	External leakage	8
4.5	Internal leakage	8
4.6	Internal exhaust air leakage	9
4.7	Carry-over air flow	9
4.8	Reference conditions	9
4.9	Pressures	9
5	General requirements	9
5.1	Heat recovery device installation	9
5.2	External leakage	9
5.3	Internal exhaust air leakage	10
5.4	Carry-over	11
5.5	Temperature and humidity ratios	11
5.6	Pressure drop	14
6	Test procedures and accuracy requirements	15
6.1	External leakage test	15
6.2	Internal leakage test (categories I and IIa)	15
6.3	Carry-over test (catgory III)	16
6.4	Ratio tests (see figure 3)	17
6.5	Pressure drop tests (see figure 3)	18
66	Heat halance	19



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

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