SLOVENSKI STANDARD
SIST EN 1886:2025

01-september-2025

Nadomešča:
SIST EN 1886:2008

Prezračevanje stavb - Centralne enote - Mehanske lastnosti in merilni postopki

Ventilation for buildings - Air handling units - Mechanical performance

Lüftung von Gebäuden - Zentrale raumlufttechnische Geräte - Mechanische Eigenschaften und Messverfahren

Ventilation des bâtiments - Caissons de traitement d'air - Performances mécaniques

Ta slovenski standard je istoveten z: **EN 1886:2025**

ICS:

91.140.30	Prezračevalni in klimatski sistemi	Ventilation and air-conditioning systems

SIST EN 1886:2025 **en,fr,de**

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1886

June 2025

ICS 91.140.30

Supersedes EN 1886:2007

English Version

Ventilation for buildings - Air handling units - Mechanical performance

Ventilation des bâtiments - Centrales de traitement d'air - Performances mécaniques

Lüftung von Gebäuden - Zentrale raumlufttechnische Geräte - Mechanische Eigenschaften und Messverfahren

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN 1886:2025 E

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European foreword

This document (EN 1886:2025) has been prepared by Technical Committee CEN/TC 156 “Ventilation for buildings”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 1886:2007.

The main changes with respect to the previous edition EN 1886:2007 are:

— a model box definition suitable for air handling unit ranges that are only manufactured using a single casing without intermediatory casing joint has been included;

— for the mechanical strength of the casing, pressure classes have been introduced with the requirement that the test pressure class be declared. In addition, the testing procedure has been clarified;

— for the casing leakage, the test pressure is changed to 400 Pa and -400 Pa to be in line with legal requirements. In addition, reference to the relevant standard for filters has been updated and test procedures clarified;

— for the filter bypass leakage, the filter is blanked off by means of a blanking plate and the option of using a foil to cover the filter has been deleted;

— for the thermal performance of the casing, a classification of the thermal transmittance is introduced with classes T1 to T5 becoming new classes U1 to U3 and with the requirement that the casing materials be declared. In addition, the testing procedure is more detailed and clearer;

— for the acoustic performance, the specification of the test setup and execution is more detailed and clearer;

— a new Annex B (normative) with requirements for the content of the test report is added;

— a new Annex E (informative) provides a method for measuring the casing related internal leakage;

— a new Annex F (informative) provides AHU design advice for fire and mechanical safety.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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Introduction

This document provides test methods, classifications and requirements for air handling units (AHU) including mechanical strength, air leakage, thermal insulation and acoustic insulation properties of the casing.

This document also includes an Annex F with recommendations for fire protection and mechanical safety for AHUs. It is the intention of CEN/TC 156 that these sections will be later moved to a new standard.

The performance of AHU components is specified in EN 13053.