

STN	Klimatizačné jednotky a jednotky na chladenie kvapalín s odparovacím kondenzátorom a s elektricky poháňanými kompresormi na chladenie Termíny, definície, skúšobné podmienky, skúšobné metódy a požiadavky	STN EN 15218 14 4601
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Air conditioners and liquid chilling packages with evaporatively cooled condenser and with electrically driven compressors for space cooling -
Terms, definitions, test conditions, test methods and requirements

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/23

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Oznámením tejto normy sa ruší
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English Version

**Air conditioners and liquid chilling packages with
evaporatively cooled condenser and with electrically
driven compressors for space cooling - Terms, definitions,
test conditions, test methods and requirements**

Climatiseurs et groupes refroidisseurs de liquide à
condenseur refroidi par évaporation et compresseur
entraîné par moteur électrique pour la réfrigération
des locaux - Termes, définitions, conditions d'essai,
méthodes d'essai et exigences

Luftkonditionierer und Flüssigkeitskühlsätze mit
verdunstungsgekühltem Verflüssiger und elektrisch
angetriebenen Verdichtern für die Raumkühlung -
Begriffe, Prüfbedingungen, Prüfverfahren und
Anforderungen

This European Standard was approved by CEN on 7 November 2022.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

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

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European foreword

This document (EN 15218:2022) has been prepared by Technical Committee CEN/TC 113 “Heat pumps and air conditioners”, the secretariat of which is held by UNE.

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 June 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.

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 15218:2013.

EN 15218:2022 includes the following significant technical changes with respect to EN 15218:2013:

- alignment with the EN 14511 series under revision;
- addition of Annex ZB relating to Commission Regulation (EU) No 626/2011 aimed to be covered.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annexes ZA and ZB, which are integral parts of this document.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 15218:2022 (E)**1 Scope**

This document specifies the terms, definitions, test conditions, test methods and requirements for rating the performance of air conditioners and liquid chilling packages, with electrically driven compressors and with evaporatively cooled condenser when used for space cooling. The evaporatively cooled condenser is cooled by air and by the evaporation of external additional water. This additional external water is fed by a specific water supply circuit or by a water tank.

This document is not applicable to air-to-air and air-to-water air conditioners with a condenser cooled by air and by the evaporation of water condensed on their evaporator.

This document is applicable to units equipped with a water tank or with a continuous water circuit supply that can also operate without water feeding. However, this document only concerns the testing of these units with water feeding.

This document is applicable to factory-made units which can be ducted.

This document is applicable to factory-made units of either fixed capacity or variable capacity by any means.

Packaged units, single split and multisplit systems are covered by this document.

With regard to units consisting of several parts, this document applies only to those designed and supplied as a complete package.

For evaporatively cooled condenser units that can also operate in heating mode, their performance in this mode is determined according to EN 14511:2022 (all parts).

Units used for industrial processes cooling are not within the scope of this document.

This document specifies the conditions for which performance data will be declared for compliance with the Ecodesign Regulation 206/2012 and with the Energy Labelling Regulation 626/2011 of air conditioners with evaporatively cooled condenser in cooling mode.

NOTE All the symbols given in this text can be used regardless of language.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14511-1:2022, *Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 1: Terms and definitions*

EN 14511-2:2022, *Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 2: Test conditions*

EN 14511-3:2022, *Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 3: Test methods*

EN 14511-4:2022, *Air conditioners, liquid chilling packages and heat pumps for space heating and cooling and process chillers, with electrically driven compressors - Part 4: Requirements*

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