

STN	Kompresory a kondenzačné jednotky na chladenie. Skúšobné metódy a skúšanie vlastností. Časť 1: Kompresory pre chladiace zariadenia.	STN EN 13771-1 14 4608
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Compressors and condensing units for refrigeration - Performance testing and test methods - Part 1: Refrigerant compressors

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. 04/17

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EUROPEAN STANDARD

EN 13771-1

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Supersedes EN 13771-1:2003

English Version

Compressors and condensing units for refrigeration - Performance testing and test methods - Part 1: Refrigerant compressors

Compresseurs pour fluides frigorigènes et unités de
condensation pour la réfrigération - Essais de
performances et méthodes d'essai - Partie 1:
Compresseurs pour fluides frigorigènes

Kältemittel-Verdichter und Verflüssigungssätze für die
Kälteanwendung - Leistungsprüfung und
Prüfverfahren - Teil 1: Kältemittel-Verdichter

This European Standard was approved by CEN on 13 August 2016.

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 23 November 2016.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 13771-1:2016) has been prepared by Technical Committee CEN/TC 113 “Heat pumps and air conditioning units”, the secretariat of which is held by AENOR.

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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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

This document supersedes EN 13771-1:2003.

The main changes with respect to the previous edition are listed below:

- a) addition of the new Clause 4 “Uncertainty of measurement and test conditions”;
- b) deletion of the list of measuring devices;
- c) addition of two-stage and economized compressors;
- d) addition of transcritical application;
- e) addition of test requirements for inverter driven compressors;
- f) addition of cyclic capacity control;
- g) addition of the part load conditions according to mandate M/488.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

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

1 Scope

This European Standard specifies performance test methods for refrigerant compressors. These methods provide sufficiently accurate results for the determination of the refrigerating capacity, power absorbed, refrigerant mass flow, isentropic efficiency and the coefficient of performance.

This European Standard applies only to performance tests where the equipment for testing is available.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 378-2, *Refrigerating systems and heat pumps — Safety and environmental requirements — Part 2: Design, construction, testing, marking and documentation*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN