

SLOVENSKI STANDARD
SIST EN 60335-2-40:1993/A51:1996
01-december-1996

Dopolnilo A51:1996 k EN 60335-2-40:1993

Safety of household and similar electrical appliances -- Part 2: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke -- Teil 2: Besondere Anforderungen für elektrisch betriebene Wärmepumpen, Klimageräte und Raumluft-Entfeuchter

Sécurité des appareils électrodomestiques et analogues -- Partie 2: Règles particulières pour les pompes à chaleur électriques, les climatiseurs et les déshumidificateurs

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Ta slovenski standard je istoveten z: EN 60335-2-40:1993/A51:1996

ICS:

23.120	Zračniki. Vetrniki. Klimatske naprave	Ventilators. Fans. Air-conditioners
27.080	Toplotne črpalke	Heat pumps

SIST EN 60335-2-40:1993/A51:1996 **en**

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EUROPEAN STANDARD
 NORME EUROPÉENNE
 EUROPÄISCHE NORM

EN 60335-2-40/A51

September 1996

UDC 64.06-83:621.577:614.8
 ICS 27.080; 91.140.30

Descriptors: Household electrical appliances, heat pumps, air conditioners, safety requirements, protection against electric shock, fire protection, protection against mechanical hazard

English version

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 Part 2: Particular requirements for electrical heat pumps,
 air-conditioners and dehumidifiers**

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 électrodomestiques et analogues
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 pompes à chaleur électriques, les
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This amendment A51 modifies the European Standard EN 60335-2-40:1993; it was approved by CENELEC on 1996-07-02. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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EN 60335-2-40:1993/A51:1996

Foreword

A proposal to amend EN 60335-2-40:1993, document CLC/TC 61(FR)278, was discussed during the Dublin meeting in May 1995, when it was decided to submit a draft for an amendment to the formal vote.

This draft was circulated as prAA in January 1996 and was ratified by CENELEC as amendment A51 on 1996-07-02.

This amendment has been prepared by the secretariat of CENELEC Technical Committee TC 61.

The following dates are applicable:

- latest date of publication of an identical national standard	(dop)	1997-01-01
- date of withdrawal of conflicting national standards	(dow)	1997-01-01

For products which have complied with EN 60335-2-40:1993 before 1997-01-01, as shown by the manufacturer or by a certification body, this previous standard is not to be applied for production after this date.

This amendment supplements or modifies the corresponding clauses of EN 60335-2-40:1993.

There are no special national conditions causing a deviation from this amendment.

There are no national deviations from this amendment.

NOTE - Amendment numbers commencing A1 refer to the endorsement of IEC amendments, while those commencing A51 originate in CENELEC.

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15 Moisture resistance

Add:

15.4 Appliances shall be proof against humid conditions which may occur in normal use.

Compliance is checked by the humidity treatment described in this subclause, followed immediately by the tests of clause 16.

Cable entries, if any, are left open; if knock-outs are provided, one of them is opened.

Electrical components, including detachable heating elements, covers and other parts which can be removed without the aid of a tool, are removed and subjected, if necessary, to the humidity treatment with the main part.

The humidity treatment is carried out in a humidity cabinet containing air with a relative humidity of $93\% \pm 2\%$. The temperature of the air, at all places where samples can be located, is maintained within 1 K of any convenient value t between $20\text{ }^{\circ}\text{C}$ and $30\text{ }^{\circ}\text{C}$.

Before being placed in the humidity cabinet, the sample is brought to a temperature between t and $t + 4\text{ }^{\circ}\text{C}$.

The sample is kept in the cabinet for:

- 2 days (48 h) for ordinary appliances;*
- 7 days (168 h) for drip-proof, splash-proof and watertight appliances.*

In most cases, the sample may be brought to the specified temperature by keeping it at this temperature for at least 4 h before the humidity treatment.

A relative humidity of $93\% \pm 2\%$ can be obtained by placing in the humidity cabinet a saturated solution of sodium sulphate (Na_2SO_4) or potassium nitrate (KNO_3) in water, having a sufficiently large contact surface with the air.

In order to achieve the specified conditions within the cabinet, it is necessary to ensure constant circulation of the air within and, in general, to use a cabinet which is thermally insulated.

After this treatment, the appliance shall show no damage within the meaning of this standard.
