

# INTERNATIONAL STANDARD

# IEC 60335-2-40

1995

AMENDMENT 1  
2000-02

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Amendment 1

**Safety of household and similar electrical  
appliances –**

**Part 2-40:  
Particular requirements for electrical heat pumps,  
air-conditioners and dehumidifiers**

*Amendement 1*

*Sécurité des appareils électrodomestiques et analogues –*

*Partie 2-40:  
Règles particulières pour les pompes à chaleur électriques,  
les climatiseurs et les déshumidificateurs*

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

PRICE CODE

**D**

*For price, see current catalogue*

## FOREWORD

This amendment has been prepared by subcommittee 61D: Appliances for air-conditioning for household and similar purposes, of IEC technical committee 61: Safety of household and similar electrical appliances.

The text of this amendment is based on the following documents:

FDIS	Report on voting
61D/82/FDIS	61D/85/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

A bilingual version of this amendment may be issued at a later date.

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### 1 Scope

Add to the third line of the first paragraph, after the words "... motor compressors", the words "and room fan coils".

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### 2 Definitions

Add, on page 13, the following new definitions:

**2.120 Fan coil/air handling unit.** A factory-made assembly which provides one or more of the functions of forced circulation of air, heating, cooling, dehumidification and filtering of air, but which does not include the source of cooling or heating.

The device is normally designed for free intake of air from a room and delivery of air into the same room, but may be applied with duct work. This device may be designed for furred-in application or with an enclosure for application within the conditioned space.

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### 7 Marking and instructions

#### 7.1 Addition

Add, as the sixth dash, the following:

- The maximum operating pressure for the heat exchanger;

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## 11 Heating

11.2 *Add, at the end of the second dash, the following:*

“... except for fan coils where the flow rates and liquid temperatures shall be the maximum specified in the manufacturer’s instructions;”

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### Table 3 – Temperature limits

*Replace the fourth line by the following:*

External enclosure of appliances with or without supplementary heaters...85 (°C).

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## 15 Moisture resistance

15.1 *Replace the last paragraph by the following new paragraph:*

The motor-compressor is not operated and detachable parts are removed during the tests of 15.2 and 15.3.

*Add the following new subclause:*

### 15.4 Spillage test

The appliance is installed according to the manufacturer’s installation instructions but not operated.

Covers which provide access for manual operation of electrical controls are set in the open position, unless such covers are of the self-closing type.

A solution of 0,25 l of water containing 0,25 g of ordinary table salt is poured onto the unit in a manner which is most likely to cause entrance of water into or on electrical controls or uninsulated live parts.

After spillage is completed, the appliances shall withstand the tests of clause 16.

The spillage test is not applicable to units if the minimum linear dimension of a horizontal or near horizontal top surface of the cabinet is 75 mm or less.

A unit with a height of greater than 2 m need not be tested.

NOTE The intent is that a 75 mm diameter glass cannot be placed on the surface of the appliance and spill.