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AMENDMENT 2
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Amendment 2

**Household and similar electrical appliances –
Safety –**

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

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

FOREWORD

This amendment has been prepared by sub-committee 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/136C/FDIS	61D/142/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.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

1 Scope

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

3 Definitions

Add the following new definition:

3.120

fan coil

air handling unit

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

NOTE 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.

7 Marking and instructions

7.1 Add, as the sixth dash, the following:

- the maximum operating pressure for the **heat exchanger** for **hydronic fan coil/air handling units**.

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;

Table 3 – Temperature limits

Replace the fourth line by the following:

Parts	Temperature °C
External enclosure of appliances with or without supplementary heaters	85

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:

15.101 Spillage test

Indoor floor or wall mounted units accessible to the general public are tested as follows.

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 whose top, when installed, has 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.