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AMENDMENT 1
2004-01

Amendment 1

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

**Part 2-80:
Particular requirements for fans**

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PRICE CODE

C

For price, see current catalogue

FOREWORD

This amendment has been prepared by 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
61/2538/FDIS	61/2582/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 the base publication and its amendments will remain unchanged until 2005. At this date, the publication will be

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- withdrawn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

INTRODUCTION

Replace the second sentence of the second paragraph by the following:

It also covers abnormal situations that can be expected in practice and takes into account the way in which electromagnetic phenomena can affect the safe operation of appliances.

3 Definitions

Add the following:

3.101

duct fan

fan for installation within an enclosed airway so that the airflow is ducted on both the inlet and outlet sides

5 General conditions for the tests

5.7 *Add the following:*

For fans marked with an ambient operating temperature, the tests of Clauses 10, 11 and 13 are carried out at the marked value ± 2 °C.

7 Marking and instructions

7.1 *Add the following:*

Fans intended for operation in locations where the local ambient temperature exceeds 40 °C shall be marked with the ambient operating temperature.

Add the following:

7.12 Addition:

If the instructions state that the guard has to be removed for cleaning purposes, the instructions shall state the substance of the following:

Ensure that the fan is switched off from the supply mains before removing the guard.

8 Protection against access to live parts

Add the following:

8.2 Addition:

After the removal of **detachable parts** for the purposes of **user maintenance**, the **basic insulation** of internal wiring may be touched provided that it is electrically equivalent to the insulation of cords complying with IEC 60227 or IEC 60245.

11 Heating

11.8 Add the following:

The temperature rise limits for fans marked with an ambient operating temperature are reduced by the difference between the marked value and 25 °C.

15 Moisture resistance

15.1.1 Replace the text by the following:

Addition:

The outer part of fans intended to be installed in the external structure of a building is subjected to the test of subclause 14.2.4(a) of IEC 60529, the part of the fan not mounted on the outside surface being protected against spray from the oscillating tube. The test is carried out with the appliance in the rest position and then in operation while supplied at **rated voltage**, shutters or similar devices being in the open position.

Fans marked with the second numeral of the IP system are subjected to the appropriate test of IEC 60529 both at rest and in operation while supplied at **rated voltage**.

21 Mechanical strength

Number the existing text as 21.1.
