

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Household and similar electrical air cleaning appliances – Methods for  
measuring the performance  
Part 1: General requirements**

**Appareils d'épuration d'air électriques domestiques et appareils similaires –  
Méthodes de mesure de l'aptitude à la fonction  
Partie 1: Exigences générales**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD AND SIMILAR ELECTRICAL AIR CLEANING APPLIANCES –  
METHODS FOR MEASURING THE PERFORMANCE**

**Part 1: General requirements**

**FOREWORD**

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International Standard IEC 63086 has been prepared by IEC technical committee 59: Performance of household and similar electrical appliances.

This first edition cancels and replaces IEC PAS 62587 published in 2008.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
59/722/FDIS	59/725/RVD

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

In this standard, the following print types are used:

- **terms defined in Clause 3: bold type.**

A list of all parts in the IEC 63086 series, published under the general title *Household and similar electrical air cleaning appliances – Methods for measuring the performance* can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEaC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

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- withdrawn,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

# HOUSEHOLD AND SIMILAR ELECTRICAL AIR CLEANING APPLIANCES – METHODS FOR MEASURING THE PERFORMANCE

## Part 1: General requirements

### 1 Scope

This part of IEC 63086 applies to electrically powered household and similar **air cleaners** intended for use on rated single-phase AC input voltage circuits not exceeding 250 V and DC input voltage circuits not exceeding 48 V.

NOTE 1 See Clause 4 for examples of different technologies and placements of household and similar **air cleaners**.

NOTE 2 If the test methods in this document are applied to **combination products** (air conditioners, humidifiers, dehumidifiers, heaters, etc.) with air cleaning function, they are only aimed at their air cleaning function when tested.

NOTE 3 Battery-operated appliances are within the scope of this document. Dual-supply appliances, either mains-supplied or battery-operated, are regarded as battery-operated appliances when operated in the battery mode.

NOTE 4 This document is not applicable to:

- appliances intended exclusively for industrial purposes;
- appliances intended for use in medical treatment locations, such as surgical suites, laboratories, medical treatments rooms, etc.
- household range hoods or cooking fume extractors – see IEC 61591.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60704 (all parts), *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise*

IEC 62301:2011, *Household electrical appliances – Measurement of standby power*

### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

#### 3.1

##### **air cleaner**

electrically powered household, or similar, appliance that employs one or multiple technologies to reduce one or more types of indoor air pollutants