

# INTERNATIONAL STANDARD

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**Household and similar electrical appliances - Test code for the determination of  
airborne acoustical noise -  
Part 2-19: Particular requirements for air cleaners**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Household and similar electrical appliances -  
Test code for the determination of airborne acoustical noise -  
Part 2-19: Particular requirements for air cleaners**

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IEC 60704-2-19 has been prepared by subcommittee 59N: Electrical air cleaners for household and similar purposes, of IEC technical committee 59: Performance of household and similar electrical appliances. It is an International Standard.

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

Draft	Report on voting
59N/87/FDIS	59N/89/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

This Part 2-19 is intended to be used in conjunction with IEC 60704-1:2021, *Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 1: General requirements*.

The relevant text of IEC 60704-1:2021 as amended by this publication establishes the test code for air cleaners.

This Part 2-19 supplements or modifies the corresponding clauses in IEC 60704-1:2021. When a particular subclause of IEC 60704-1:2021 is not mentioned in this document, that subclause is applicable as far as reasonable. Where this standard states "addition", "modification", "replacement" or "deletion", the relevant requirements, test specifications or explanatory matter in IEC 60704-1 should be adapted accordingly.

Subclauses and tables that are additional to those in IEC 60704-1 are numbered starting from 101.

Unless notes are in a new subclause or involve notes in IEC 60704-1, they are numbered starting from 101, including those in a replaced clause or subclause.

In this standard, the following print types are used:

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

A list of all the parts in the IEC 60704 series, under the general title *Household and similar electrical appliances - Test code for the determination of airborne acoustical noise*, 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 IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

## INTRODUCTION

The measuring conditions specified in this document provide for sufficient steadiness in the noise emitted and reproducibility in different laboratories, whilst simulating as far as possible the practical use of **air cleaners**.

It is recommended to consider the determination of noise levels as part of a comprehensive testing procedure covering many aspects of the properties and performance of **air cleaners**.

NOTE As stated in the introduction to IEC 60704-1, this test code is concerned with airborne noise only.

## 1 Scope

### *Replacement:*

This part of IEC 60704 applies to stationary freestanding and wall-mounted **air cleaners** for domestic and similar use, supplied from mains, d.c. voltage not exceeding 48 V or batteries.

This document includes **combination products**, where air cleaning is combined with for example humidification, but can be used only for the air cleaning function.

**Fresh-air air cleaners** and air cleaners that change their physical location autonomously without user intervention, are excluded from this document.

By similar use is understood the use in hotels, hospitals, shops, offices, etc.

For determining and verifying noise emission values declared in product specifications, see IEC 60704-3.

## 2 Normative references

### *Addition:*

ISO 3741:2010, *Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms*

## Bibliography

### *Addition:*

IEC 63086-1:2020, *Household and similar electrical air cleaning appliances - Methods for measuring the performance - Part 1: General requirements*

### *Deletion:*

ISO 3741:2010, *Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms*

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