
**Non-ducted air conditioners and
heat pumps — Testing and rating for
performance**

AMENDMENT 1

*Climatiseurs et pompes à chaleur non raccordés — Essais et
détermination des caractéristiques de performance*

AMENDEMENT 1

STANDARDSISO.COM : Click to view the full PDF of ISO 5151:2017/Amd 1:2020





COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 86, *Refrigeration and air-conditioning*, Subcommittee SC 6, *Testing and rating of air-conditioners and heat pumps*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

STANDARDSISO.COM : Click to view the full PDF of ISO 5151:2017/Amd 1:2020

Non-ducted air conditioners and heat pumps — Testing and rating for performance

AMENDMENT 1

8.3.1

Replace [Table 15](#) with the following table:

Table 15 — Data to be recorded during the indoor air enthalpy capacity tests

No.	Data
1	Date
2	Observers
3	Barometric pressure, in kPa
4	Time of test
5	Power input to equipment ^a , in W
6	Energy input to equipment ^b , in Wh
7	Applied voltage(s), in V
8	Current, in A
9	Frequency, in Hz
10	External resistance to airflow, in Pa
11	Fan speed settings, indoor and outdoor
12	Setting of variable capacity compressor at full load
13	Dry-bulb temperature of air entering equipment, in °C
14	Wet-bulb temperature of air entering equipment, in °C
15	Dry-bulb temperature of air leaving equipment, in °C
16	Wet-bulb temperature of air leaving equipment, in °C
17	Outdoor dry-bulb and wet-bulb temperatures, in °C
18	Volume flow rate of air and all relevant measurements for its calculation, in m ³ /s
19	Refrigerant charge added by the test house, in kg
20	Factory charge, in kg
^a	Total power input and, where required, input to equipment components.
^b	Energy input to equipment is required only during defrost operations.

D.2.3

Replace Table D.1 with the following table:

Table D.1 — Variations allowed during steady-state cooling and heating capacity tests that only apply when using the indoor air enthalpy method

Reading	Variation of arithmetical mean values from specified test conditions		Variation of individual readings from specified test conditions	
	≤100 Pa	>100 Pa	≤100 Pa	>100 Pa
External static pressure (ESP)	±5 Pa	±5 %	±10 Pa	±10 %