
**Heat pump water heaters — Testing
and rating for performance —**

**Part 2:
Heat pump water heaters for space
heating**

*Chauffe-eau à pompe à chaleur — Essais et classification des
performances —*

Partie 2: Chauffe-eau à pompe à chaleur pour le chauffage des locaux

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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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).

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Heat pump water heaters — Testing and rating for performance —

Part 2: Heat pump water heaters for space heating

1 Scope

This document specifies test conditions and test procedures for determining the performance characteristics of air source heat pump water heaters for space heating with electrically driven compressors with or without supplementary heater. The purpose of this document is to rate the performance of the heat pump water heaters for space heating with no operation of any supplementary heater. In the case of heat pump water heaters for space heating consisting of several parts with refrigerant or water connections, this document applies only to those designed and supplied as a complete package.

NOTE Testing procedures for simultaneous operation for hot water supply and space heating are not treated in this document. Simultaneous means that hot water supply and space heating generation occur at the same time and can interact.

2 Normative references

There are no normative references in this document.

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:

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

3.1

heat pump water heater for space heating heat pump

air source heat pump water heater with electrically driven compressors with or without supplementary heater for space heating purposes

3.2

heating capacity

heat given off by the unit to the heat transfer medium per unit of time

Note 1 to entry: Heating capacity is expressed in watts.

Note 2 to entry: If heat is removed by the indoor heat exchanger for defrosting, it is taken into account.

3.3

standard heating capacity

rated heating capacity under standard rating conditions as defined in [Tables 5, 6 and 7](#)