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Water-source heat pumps — Testing and rating for performance —

Part 1:
Water-to-air and brine-to-air heat pumps

Pompes à chaleur à eau — Essais et détermination des caractéristiques de performance —

Partie 1: Pompes à chaleur eau-air et eau glycolée-air

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Contents

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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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

This part of ISO 13256 was developed by ISO Technical Committee TC 86, *Refrigeration,* Subcommittee SC 6, *Testing and rating of air-conditioners and heat pumps*.

ISO 13256 consists of the following parts, under the general title *Water-source heat pumps — Testing and rating for performance*:

— *Part 1: Water-to-air and brine-to-air heat pumps*

— *Part 2: Water-to-water and brine-to-water heat pumps*

Annexes A, B, C, D and E form an integral part of this part of ISO 13256. Annexes F, G and H are for information only.

Introduction

This part of ISO 13256 covers heating and cooling systems which are generally referred to as “water-source heat pumps.” These systems generally include an indoor coil with air-moving means, a compressor, and a refrigerant-to-water or refrigerant-to-brine heat exchanger. A system may provide both heating and cooling, cooling-only, or heating-only functions.