

HVCA

*Guide to
Good Practice*

**Heating and
Ventilating
Contractors'
Association**

Heat Pumps



TR/30

Guide to Good Practice

Heat Pumps

TR30

Acknowledgments

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This publication has been written by BSRIA Ltd on behalf of HVCA.

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FOREWORD



The need to address energy usage and, in particular, the associated carbon emissions created by its generation and consumption, has caused those responsible for the design, installation and operation of buildings to review many of the traditional methodologies. Regulations and, in some cases, client requirements are demanding more innovative solutions to the provision of heating, cooling and hot water generation.

Invariably, such solutions lie in new applications of existing and proven technologies, but the skill is in knowing when they are appropriate and how to make them efficient.

Heat pump technology can be – and has been for many years – used in a variety of ways. This guide provides an overview of the many different applications, along with their benefits and limitations, as well as giving some outline design information for each alternative.

Although independent of any manufacturer, this guidance is not intended to supersede design data or instructions provided by suppliers, whose recommendations should always be followed.

It is intended, however, to be part of a suite of publications covering generic installation requirements for a range of renewable energy systems, including biomass fuels, solar hot water and combined heat and power (CHP). It also draws on the wide range of existing HVCA publications covering good practice in the design, installation and maintenance of building engineering systems.

A handwritten signature in black ink, appearing to read 'G Manly'.

Graham Manly
Chairman
HVCA Technical Committee

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