

Database Heat Pumps

Information portals, Initiatives, Associations

Bundesverband Wärmepumpen (BWP) (the web site is only in German)

<http://www.waermepumpe-bwp.de/>

The Federal Heat Pumps Association (Bundesverband WärmePumpe (BWP) e. V.) engages itself since 1993 for the increased use of the heat pump heating systems. At the moment 95 percent of the German heat pump manufacturers, approximately 45 percent of supply enterprises and over 300 trade enterprises and planners are members in the Federal Heat Pump Association. Main goal of the Association is to increase the portion of the heat pump heating systems in the new building sector from 2 per cent up to at least 20 per cent. On the sector of the heating systems modernization 5 per cent market share is aimed at. The Federal Heat Pump Association informs politics, press and media about the current state-of-the-art of the heat pump technology and supports specialized trade and planners in their marketing and advertising measures.

Contact:

Bundesverband WärmePumpe (BWP) e. V.

Elisabethstr. 34

80796 München

T 089/2713021

F 089/27312891

info@waermepumpe-bwp.de

European Geothermal Energy Council" (EGEC)

<http://www.egec.org/>

The aims of EGEC is to promote the use of geothermal energy, by encouraging R and D in the field of geothermal utilization and allowing the public at large to access to the R and D results, by exercising appropriate actions to implement a legal and institutional framework and fiscal instruments, by conducting any activity in promoting the market deployment of geothermal energy in Europe, by representing the interests of the European geothermal energy industry and users to governments and international organisations etc.

Contact:

EGEC

63-65, rue d'Arlon

B-1040 BRUSSELS

Tel : + 32 2 400 10 24

Fax : + 32 2 400 10 10

info@egec.org

European Heat Pump Association (EHPA)

<http://ehpa.fiz-karlsruhe.de/>

The European Heat Pump Association represents the interests of the European heat pump industry on international level. EHPA founded in February 2000 is a non-profit organisation which promotes awareness and proper deployment of heat pump technology in the European market place for residential, commercial and industrial applications. Main focus in: disseminating educational materials suitable for buyers, energy advisers and training of installers, undertaking strategic studies with the EU and other interested bodies, providing technical and economic advice to European, national and local authorities in legislative, regulatory and energy efficiency matters, coordinating labelling initiatives for

heat pump and advising on labelling for residential housing, cooperating with other organisations on a directory/database of heat pumps including certified rating and performance data and a list of installers, who are suitably qualified

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European Heat Pump Network (EHPN)

<http://ehpn.fiz-karlsruhe.de/en/themen/thema7.html>
<http://www.ehpn.de/>

The establishment of EHPN occurred within the framework of three EU Projects (THERMIE, SAVE). Main objective of this information platform is to support the market penetration by dissemination of information on all aspects of heat pump technology. Furthermore there are databases about Best Practice Projects, Heat pump associations, Manufacturers, Planning, installing and drilling companies, Energy agencies / Information services and networks, Organisations, R, D & D institutions /programmes and Governmental bodies.

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IEA Heat Pump Centre (HPC)

<http://www.heatpumpcentre.org/>

The IEA Heat Pump Centre (HPC) is an international information service for heat pump technologies, applications and markets. The goal is to accelerate the implementation of heat pumps and related heat pumping technologies, including air conditioning and refrigeration. On the site an overview of the ongoing and completed IEA Heat Pump Programme projects (annexes) and participating countries are presented.

Contact information:

c/o SP Swedish National Testing and Research Institute
PO Box 857
SE-501 15 BORÅS
Sweden
Tel: +46-33-165512
Fax: +46-33-131979
E-mail: hpc@heatpumpcentre.org

Informationszentrum Wärmepumpen (IZW) - FIZ Karlsruhe Information Services

<http://www.fiz-karlsruhe.de/ecid/Internet/en/FG/EnergUmw/izw.html>

Today the Information Centre Heat Pumps (IZW) functions, primarily as a link between the German heat pump market and the European activities on this sector. Main focus:

- Close co-operation with the most important market partners in Germany
- Support of information and marketing activities on federation regional level
- Development and selling of studies and electronic information packages (e.g. CD ROM "Heat Pumps")
- Operation of the European Heat Pump Network (EHPN)
- Co-operation in different projects of the European Commission

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International Ground Source Heat Pump Association (IGSHPA)

<http://www.igshpa.okstate.edu/>

The International Ground Source Heat Pump Association (IGSHPA) is a non-profit, member driven organization established in 1987 to advance geothermal heat pump (GHP) technology on local, state, national and international levels. Headquartered on the campus of Oklahoma State University in Stillwater, Oklahoma, IGSHPA utilizes state-of-the-art facilities for conducting GSHP system installation training and geothermal research. With its access to the most current advancements in the geothermal industry, IGSHPA is the bridge between the latest technology and the people who benefit from these developments. The mission of International Ground Source Heat Pump Association (IGSHPA) and its membership is to promote the use of ground source heat pump technology worldwide through education and communication.

Contact:

International Ground Source Heat Pump Association (IGSHPA)
374 Cordell South
Stillwater, OK 74078
Phone: (405) 744-5175
Fax: (405) 744-5283
Email: igshpa@okstate.edu

IZW e.V. - Informationszentrum Wärmepumpen und Kältetechnik (only in German)

<http://www.izw-online.de/>

IZW e.V. - Information Center of Heat Pumps and Refrigeration Technology was created on 29 October 1997 with seat in Hanover. Purpose of the association is the promotion from the level of research and development to the wide use of the heat pump and refrigeration technology.

Tasks of the IZW are among other things: scientific-technologically status reports or implementation of the results of energy or environmental studies easy understandable scientific reports, recommendations to authorities regarding the supporting programmes for heat pumps, analysing the use possibilities of heat pumps, coordination of research and development programs, for example heat pumps for the old-building renovation, solar energy and heat pumps, air as heat source: Dimensioning, regulation, heating and cooling with heat pumps, optimization and energetic improvement of components, plants and systems.

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e-mail: email@izw-online.de

The UK Information Network for Heat Pumps

<http://www.heatpumpnet.org.uk/>

The UK Heat Pump Network is a governmental organisation and was launched in July 1999 to help the UK heat pump market develop according to best practice on environmental and economic grounds. The UK Network provides information of benefit to manufacturers, suppliers, importers, utilities, researchers, architects and consultants/specifiers, wherever heat pump technology can be used for heating and/or cooling of buildings and for heat recovery for industrial and buildings applications.

The Network aims are:

- to develop and promote balanced information and guidance
- to develop and transfer innovation and best practice
- to improve understanding of the UK and export markets
- to encourage global exchange and collaboration

The UK Heat Pump Network can not provide individual technical assistance. For technical enquiries contact the Environment and Energy Helpline 0800 585 794 or search <http://www.energy-efficiency.gov.uk>

Further Information platforms and initiatives can be found on following site:

<http://www.fiz-karlsruhe.de/ecid/Internet/de/FG/EnergUmw/Energielinks/encat/enwpump.html#orgeuro>

On this site a comprehensive list of a numerous of European institutions and information platforms can be found.

Developers and Manufacturers

Informationszentrum Wärmepumpe (IZW)-FIZ-Karlsruhe

<http://www.fiz-karlsruhe.de/ecid/Internet/de/FG/EnergUmw/Energielinks/enco/cowpump.html>

On this site there is a comprehensive list with developers and manufacturers in Belgium, Germany, France, Luxemburg, Italy, Lichtenstein, The Netherlands, Austria, Poland, Sweden, Switzerland, USA and Canada. Here are only some manufacturers listed:

Dimplex: Innovative Heating and Cooling

<http://www.dimplex.de/>

Dimplex heat pumps are being implemented in buildings in increasing numbers for heating and domestic hot water preparation. As a system provider, the Dimplex product range also includes heat pumps which can additionally be used in summer for cooling:

- The air-to-water heat pump (Dimplex LA/LI) for outdoor and indoor installation uses the outside air as a year-round energy source at temperatures between +35 °C and -20 °C
- The brine-to-water heat pump (Dimplex SI) extracts the heat from the solar energy stored in the ground or from waste heat
- The water-to-water heat pump (Dimplex WI) extracts the required heat from the tempered ground water with temperatures between +8 °C and +12 °C even in winter.

Contact:

Glen Dimplex Deutschland GmbH

Division Dimplex

Am Goldenen Feld 18

D - 95326 Kulmbach

Postfach 1280

D - 95303 Kulmbach

GERMANY

Phone: ++49 (0) 9221 / 70 9-2 01

Fax: ++49 (0) 9221 / 70 9-3 39

E-Mail: dimplex@dimplex.de

France Géothermie (only in French)

<http://www.france-geothermie.com/>

France Geothermie deals with the development, the production and the selling of efficient heat pump heating systems with geothermal heat as energy source.

Contact :

France Géothermie

8, rue Paul Héroult

38190 VILLARD BONNOT - France

Tél . : 04 76 45 96 40

Fax : 04 76 45 05 80

fgeo@france-geothermie.com

Heliotherm Wärmepumpentechnik Ges.m.b.H

<http://www.heliotherm.com/>

Heliotherm is manufacturer of ground source heat pumps, air heat pumps, domestic water heat pumps and ground-water heat pumps with DSI TECHNOLOGY, an electronic medium adjustment.

Contact:

Heliotherm Wärmepumpentechnik Ges.m.b.H
Mitterweg 15
A-6336 Langkampfen - Austria
Tel.: +43 (0) 5332 / 87496-0
Fax: +43 (0) 5332 / 87496-30
info@heliotherm.com

OCHSNER Wärmepumpen GbmH

<http://www.ochsner.com/>

Ochsner Wärmepumpen has installed so far 70.000 heat pumps and has its own research centre, production, sales and service organisation and meets the requirements for family houses, commercial buildings and industrial application. The product-range includes all heat sources like ground, ground-water, air and a capacity-range from 1kW to 1MW.

Contact:

OCHSNER Wärmepumpen GmbH
Ochsner-Straße 1
A 3350 Haag
Tel. 07434 / 42451-0
Fax 07434 / 42451-25
E-mail kontakt@ochsner.at

Stiebel Eltron

<http://www.stiebel-eltron.de/erneuerbare-energien/produkte/waermepumpe/>

Since more than 20 years STIEBEL ELTRON develops heat pumps for heating and hot water supply. Stiebel Eltron offers heat pump technology for any demand which complies to the requirements of the new energy saving ordinance EnEV. The company is represented in 30 countries. Compact series heat pumps as well as modular units can be used either as brine-to-water heat pumps or water/water heat pumps. The WPL series of air/water-heat pumps obtain the energy provided in the air, and use it for heating and hot water supply.

Contact:

STIEBEL ELTRON International GmbH
Dr.-Stiebel-Str.
37603 Holzminden
GERMANY
Telefon: +49 55 31 70 25 49
Telefax: +49 55 31 70 24 79
E-Mail: international@stiebel-eltron.com

Vaillant GmbH

www.vaillant.de

Vaillant offers with its 8600 employees a complete program for heating and domestic hot water on basis of the energy sources natural gas, oil, electrical power as well as solarthermal plants, hydrogen/fuel cell heaters and zeolite/zeolite heaters, natural gas driven adsorption heat pumps. For house heating is offered the Vaillant heat pump series GEOTHERM (exclusive, classic, pro) using the energy in ground, water or air.

Contact:

Dr. Rainer Lang
Vaillant GmbH
Berghauserstr. 40
42859 Remscheid

Viessmann Werke GmbH & Co KG

<http://www.viessmann.com>

The Viessmann group is one of the most important manufacturers of heating technology products worldwide. The Viessmann Group produces a wide range of heat pumps:

- Brine/water heat pump rated from 6.1 to 9.7 kW, flow temperatures up to 60 °C
- Brine/water compact heat pump rated from 4.8 to 10.8 kW, water/water heat pump rated from 4.8 to 10.8 kW, flow temperatures up to 55 °C
- Brine/water heat pump rated from 4.8 to 32.6 kW, water/water heat pump rated from 6.3 to 43.0 kW, flow temperatures up to 55 °C
- Brine/water heat pump rated from 39.6 to 81.2 kW, water/water heat pump rated from 52.0 to 106.8 kW, flow temperatures up to 55 °C
- Air/water heat pump rated from 5.4 to 14.6 kW, flow temperatures up to 55 °C
- Brine/water heat pump rated from 11.0 to 17.1 kW, water/water heat pump rated from 14.1 to 20.0 kW, flow temperatures up to 65 °C
- Air/water heat pump rated from 11 to 18.5 kW, flow temperatures up to 65 °C, for external or internal installation

Contact:

Viessmann Werke GmbH & Co KG

Viessmannstr. 1

35107 Allendorf (Eder)

Germany

Telephone: +49 6452 70-0

Fax: +49 6452 70-2780

Research Centres

Das Bayerische Zentrum für Angewandte Energieforschung e.V. (ZAE Bayern)

<http://www.zae-bayern.de/>

ZAE was founded in 1991, is a non-profit organisation with its seat in Wuerzburg. In the field of activity "Refrigerators and Heat Pumps" the research work at the ZAE Bavaria extends from fundamental heat and mass transfer, to material data over heat exchanger development, energy and mass calculation of processes, development of demonstration plants etc.

Contact:

ZAE Bayern

Dr. Christian Schweigler

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Walther-Meissner-Str. 6

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Europäisches Testzentrum für Wohnungslüftungsgeräte (TZWL)

<http://www.tzwl.de/>

It examines ventilation of dwellings devices and heat pumps and publishes the inspection results and other recognized inspection stations.

Contact:

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Forschungszentrum für Kältetechnik und Wärmepumpen GmbH (only in German)

<http://www.fkw-hannover.de/>

In the last years the main research focus on heat pumps were e.g.: Workings fluids for high temperature heat pumps, Development of a CO₂ heat pipe for ground source heat pumps, development of a CO₂ heat pump for heating systems in old buildings, development of a CO₂ compressor and expander, development of a high temperature heat pump with NH₃-H₂O.

Contact:

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Dipl.-Ing. Dipl.-Wirtsch.-Ing. Carmen Stadtländer 0511/167475-13

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Institut für Luft- und Kältetechnik (ILK Dresden) Gemeinnützige Gesellschaft mbH

<http://www.ilkdresden.de/mambo/home.php>

ILK Dresden is an independent institute that isn't tied to any specific companies or industries. With a staff of 120 employees ILK is engaged in research and development and technology transfer in refrigeration engineering and air-conditioning as well as in related disciplines. ILK carries out projects for local government and private firms.

The research performed by ILK includes the preparation of studies and expert's reports, the development of concepts for processes and products as well as design and measuring services and the planning of pilot plants.

With the use of ultra-modern measuring methods, air-conditioning and refrigeration engineering components and plants can be tested according to international standards.

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Email: gf@ilkdresden.de or andreas.peusch@ilkdresden.de

LOHRconsult GmbH-Wärmepumpen-Institut

<http://www.lohrsach.de/>

The LOHRconsult GmbH, Institute for Heat Pumps, has been founded in 1996. The Institute has as its task the development of heat pumps for opening markets and also research work concerning heat pumps and their introduction to the market. Furthermore it offers concepts in the area of advertising and marketing. Lohrconsult has at its disposal specialist competence and also the appropriate technology of measurement and data systems.

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