AIR SOURCE HEAT PUMPS

SUN. AIR. HEAT PUMP.

Energy from the air

HEAT PUMPS

alphaInnoTec
The heat pump specialist

Product overview

Air/water heat pumps for outdoor installation

LWD 50A - 70A
LWD 50A/SX - 70A/SX
LWD 50A/RX - 70A/RX
LWD 50A/RSX - 70A/RSX

LW 71A - 81A
LW 81A/X
LW 81A/SX

LW 90A/RX
LW90A/RSX
LW 101A
LW 100H-A
LW 100H-A/SX

LW 90A Solar
LW 121A
LW 121A/SX

LW 140A
LW 140A/RX
LW 180A
LW 180H-A

LW 251A

LW 310A

Air/water heat pumps for indoor installation

KHZ-LW 60
KHZ-LW 80

LWC 60 - 120
LWC 90S/X

LW 101

LW 90 Solar
LW 121

LW 140
LW 180

LW 251
LW 310

Domestic hot water heat pumps

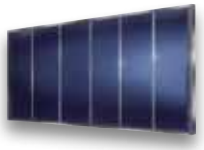
BWP 303
BWP 303S

BWP 306
BWP 306S

Multi-function tank

MFS 600 S
MFS 830 S
MFS 1000S

Solar thermal collectors



GFK/GFK-D

ASK

Simply ingenious!

Heat pumps basically function on the same principle as a refrigerator. You acquire energy from nature, right on your own doorstep: stored solar heat in the air, soil and groundwater. The heat pump draws this heat from the environment and raises it to temperatures suitable for space and water heating.

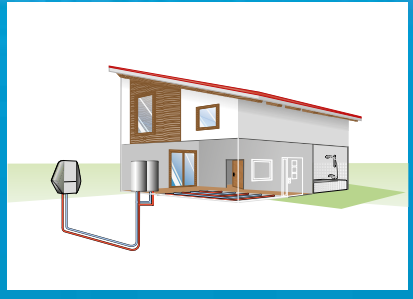
Free energy from nature –
even at sub-zero temperatures!

Your advantages:

- 100% independence from oil and gas
- High cost-effectiveness for up to 50 % reduced heating costs
- Technology tested in practice for decades with exemplary efficiency
- Absolutely emission and odour-free, environmentally friendly operation in situ
- Whisper quiet and nearly maintenance-free


Air source – outdoor installation


Air source – indoor installation


Reversible air source – outdoor installation

Outdoor installation up to 60 °C

Extremely economical!

Heating Hot water

Air/water heat pumps are the most inexpensive solution with regard to investment cost compared to all other types of heat pumps. Because air is available as a heat source everywhere and can be exploited without any major structural work. You do not need a permit. In energy terms too, the air/water heat pump no longer lags behind other types. Installation in coastal areas is no problem with the “X”-series heat pumps, since those are equipped with a special corrosion-proof evaporator.

Alpha-InnoTec air/water heat pumps for outdoor installation are available for virtually every application, such as for small low-energy houses and for multiple dwellings.

Economise, not only on but also with your heating.

Your advantages:

- Low installation cost and effort
- For detached houses and multiple dwellings
- Suitable for refurbishment
- With a Design Plus award winning design
- Corrosion-proof available for coastal installation
- Great product range
- 230 V / 400 V available

LW 121A/SX LW 71A

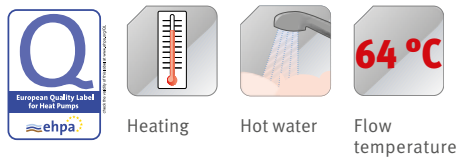
Outdoor installation up to 64 °C

Powerful heating!

With the H series we have developed particularly efficient air/water heat pumps especially for modernisation. The units for outdoor installation are equipped with “special compressors”. They make full use of their advantages over heat pumps with “standard compressors” in deepest winter at low outdoor temperatures, i.e. precisely when high flow temperatures of 64 °C are required. This means that in most cases, conventional radiators can continue to be used, saving you cash!

Low cost modernisation with little effort.

LW 180H-A



Your advantages:

- Especially developed for heating modernisation
- Special compressor
- Flow temperatures up to 64 °C
- Weather-resistant due to high-quality coated aluminium façade
- For mono-energetic or bivalent operating methods

Easy to operate!

The Luxtronik 2.0 “Turn & Tip controller” is available as an accessory for Alpha-InnoTec heat pumps installed outdoors. Functions: Screed heating program, intelligent timer, fast charging function, USB connection, network interface. With the AlphaWeb, the heat pump can be controlled over the internet from any location – without additional hardware and software!
For further information, refer to page 18.

Outdoor installation reversible

Great climate!

Heating Hot water Cooling

The reversible air/water heat pumps ensure a pleasant indoor climate the whole year round, because they can heat or cool, as required. On hot days the underfloor heating or convectors become a cooling system: They absorb the heat in the room and discharge it to the heat pump, which then dissipates the heat to the ambient air. Cooling using the underfloor heating is “static”; with the fancoil it is “dynamic”.
Both variants provide a reliable solution.

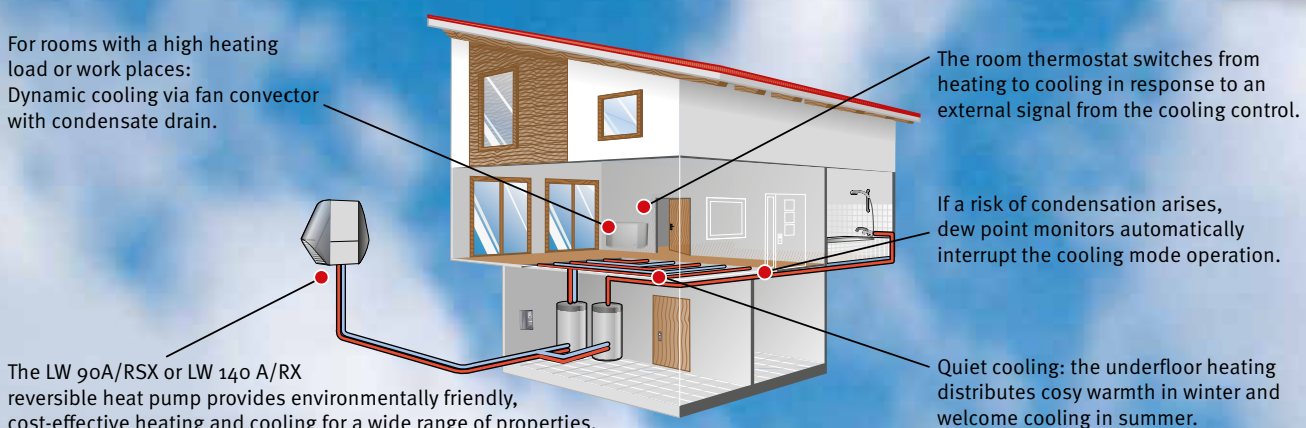
Warm and cosy in the winter and pleasantly cool in the summer.

LW 90 A/RX

Your advantages:

- Only one unit for heating and cooling
- Efficient energy use
- Sound-optimised fan convectors
- Minimum building work
- Comfortable living at any time of the year
- Low capital costs

Fancoil



Outdoor / indoor installation with solar heating

Pure sun!

Heat pump plus solar thermal energy – that is a guarantee for an optimum energy harvest. With the LW 90 Solar, there is at last a heat pump on the market which is perfectly designed for combination with solar thermal energy. It operates absolutely reliably and efficiently in every temperature range. Direct feed-in of the energy harvest from the solar system into the heat pump improves the COP by up to 10 %!

We use every ray of sunshine.

Your advantages:

- Direct feed-in of the solar thermal energy into the heat pump possible
- COP up to 3.7 in combination with solar thermal energy
- Both systems work efficiently in virtually any temperature range
- Use of collector temperatures which cannot be used in conventional operation
- Increase in heat output by about 10 %.

Hydraulic tower

Full power!

With the HT1 (up to 8 kW) or HT2 (up to 19 kW) hydraulic tower, Alpha-InnoTec once again sets the standards. Well thought out down to the smallest detail, heating comfort has a new name and hot water supply becomes pure pleasure.

Simply connect to your LW air source heat pump for a complete solution
The coordinated components offer maximum system and planning security. Planning and installing air/water heat pumps could hardly be easier or faster.

All in one on the smallest possible foot print.

Your advantages:

- All in one housing: Luxtronik 2.0 heat pump controller, hot water and buffer tank and optimised pump assemblies
- Optimally matched to the heat pumps up to 19 kW installed outdoors
- 295 l DHW-cylinder
- 98 l Buffer
- Small foot print

Hydraulic tower

The efficiency duo!

Heating Cooling Flow temperature

With the new “dual air/water heat pump”, Alpha-InnoTec is as usual innovatively responding to the market’s requirements. The series of units each consist of the heat pump installed outdoors and the hydraulic module accommodated indoors. The hydraulic module contains the controller, circulating pump, expansion vessel, safety component and electric heating element.

Uncomplicated integration
Because the separate installation has a positive effect on the dimensions of the heat pump, the LWD-series heat pumps are ideally suited for new buildings with small plots. They can also easily be used for modernisation thanks to the high flow temperatures and the uncomplicated integration in existing systems (bivalent operation).

Optimally matched with each other
All components – including the accessories – have been developed so that they are optimally coordinated ensuring maximum energy efficiency and economic feasibility. Also available, matching brackets for floor- or wall-mounting, special wall penetration, heating buffer tank and domestic hot water storage.

Your advantages:

- As quiet as a whisper 45 db(A)* and virtually maintenance-free
- Very good COP values – 3.8 at A2/W35
- Up to 70 °C flow temperature
- Easy installation
- Wall-mounted or floor-standing installation
- Natural, environmentally friendly refrigerant R290

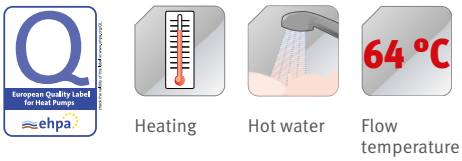
* averaged measurement in the free field at 1m distance around the machine

Dual air/water heat pump installation example

LWD 70A

Indoor installation up to 60 °C or 64 °C

Really easy!



The standard series units installed indoors are available in different output levels up to 31 kW. The H series is especially for modernisation. This series is particularly efficient when high temperatures are required. They have unbeatable outputs at low outdoor temperatures. Here the H series makes full use of its advantages and achieves flow temperatures of 64 °C.

Simple handling with the integrated Luxtronik 2.0 “Jog-Dial controller”.

Modernisation made easy.

LW series

Your advantages:

- For heating and domestic hot water
- Air supply via air ducts
- High coefficients of performance
- Low installation cost and effort
- For detached houses and multiple dwellings

Compact indoor installation

Compact!

Everything included

Heating

Hot water

The air/water heat pumps of Alpha-InnoTec's LWC series for space heating and domestic water heating are now even more efficient. The easy to install solution for indoor installation is available for heat outputs from 6 to 12 kW. Because all important components are already integrated, the time and effort required for the planning and installation of these "compact" units are reduced to a minimum. The units require only a small installation area, as service accessibility is only required from the front.

Plug & Heat: install, connect, heat.

Your advantages:

- Very good COP values
- Special fan for extremely quiet operation
- Left or right air direction can be selected
- Interaction with the LKS 700 duct system, one of the quietest indoor air/water machines (LWC 80), measured to date in the Buchs test centre (CH)
- Easy installation "Plug & Heat"
- Small space requirement

AlphaWeb compatible
Easily control your heat pump at the computer!

LWC series

Air/Water KHZ-LW convenient central building services control

Connect and save!

KHZ-LW

Your advantages:

- Efficiency increase through heat recovery
- Easy installation “Plug & Heat”
- 3 tried and tested functions in one unit
- Flexible installation (the two units can be installed next to each other or separately)
- Constant volume flow control via highly efficient direct-current fans
- Optional solar connection possible
- Only one controller for the heat pump, ventilation and solar

Living can be so comfortable!

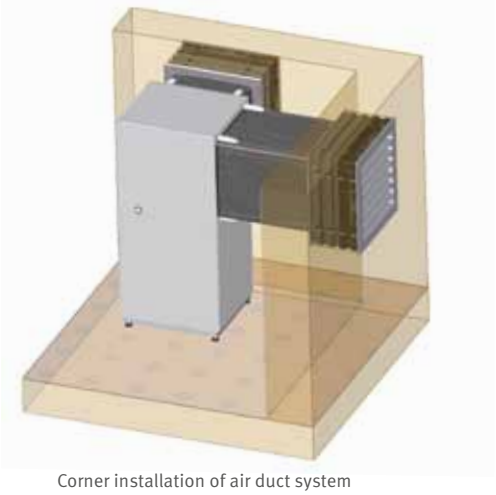
The KHZ-LW unit´s consist of three tried and tested components: Air/water heat pump, housing ventilation system and 275 litre hot water tank. The ventilation module and storage tank are permanently installed together. However, the heat pump is an individual module. COP improvement due to double heat recovery: Up to 3.5 in pure heat pump mode and up to 4.5 if the heat pump and the exhaust from the ventilation unit are used.

KHZ-LW –
the energy saving tip for low-energy houses.

Virtually silent!

It has never been easier to connect the heat pump to the outside of the building. With the LKS air duct system from Alpha-InnoTec with registered utility model protection, the installation is fast and easy. You simply fit together the easy to maintain, perfectly coordinated air duct system (from the weatherproof grille to the wall penetration through to the heat pump). The result: excellent sound values and a high-quality appearance.

LKS air duct system – clever push-fit system.



Corner installation of air duct system

Your advantages:

- Easy installation, simple transport, space-saving storage
- No expensive or time-consuming supports – self-supporting duct system
- Very good sound and thermal insulation of the ducts – two-layer construction (LWC 80 = 53 dB sound power level outdoors; best value to date: 57 dB;
  Note: minus 3 dB = halving of loudness)
- High-quality appearance

Indoor installation of air/water heat pump with LKS air duct system

Domestic hot water heat pump

The money savers!

Hot water

Domestic hot water heat pumps from Alpha-InnoTec supply your detached or semi-detached house with hot water, centrally and reliably, regardless of the type of heating system.
Up to 70 percent of the thermal energy is free heat from the ambient air. That not only pleases your home energy bill but also the environment.
An easy and economic way of providing hot water for you and your family.

Simply connect and enjoy the cost savings.

Your advantages:

- Up to 70 % energy from free of charge environmental heat
- Use of waste heat (heat recovery) in the building is possible
- Low energy consumption
- Easy installation
- Can be combined with existing heating system (e.g. oil, gas, wood or solar)

BWP 303 S

BWP 306 S

Make the perfect connection!

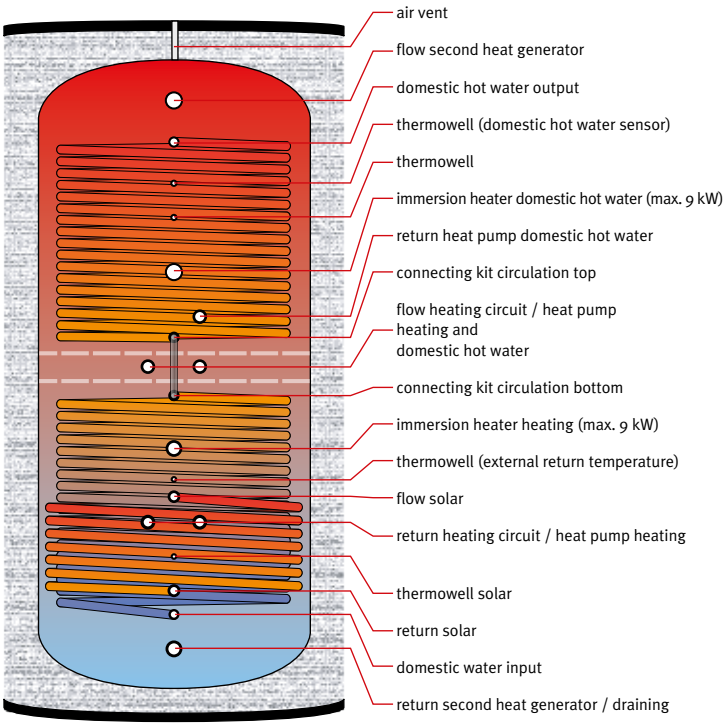
A perfect solution.
The multi-function hot water storage is tailored to the requirements of heat-pump heating.

Perfect for low-temperature systems.
Combined with the multi-function tank, it is easily possible to efficiently combine a heat pump with other heat generators (e.g. solar systems).

Economic and hygienic hot water supply.

Your advantages:

- Integration of several heat generators
- Optimum for detached houses
- Domestic hot water supplied using the continuous flow principle contributes to protection against legionella
- Buffer tank and domestic hot water tank in one
- Ideal for modernisation
- Very good interface for integrating solar, wood-fired boiler or other heat generators
- Fits through a standard door



Multi-function tank

Perfected engineering!

No matter how innovative the solar heat use, how large the available area is or whether conversion is required, Alpha-InnoTec has the right solution for every situation.

Your advantages:

- System engineering from a single source, with perfectly-matched components
- The right solution for every requirement
- High energy efficiency in every temperature range
- Immediate independence from fossil fuels
- No CO_2 emissions on site

The versatile ones
With the **large scale design collectors**, almost anything is possible. They can be harmoniously integrated into the building. The costs here are lower, as a larger area can be installed faster.

The tried and tested ones
Thanks to reliable technology and simple attachment, the tried and tested **standard on-roof collectors** are especially suitable for installing on an existing building.

The large ones
The **large scale in-roof/on-roof collectors** from Alpha-InnoTec fit into the overall architectural picture. The specific costs are lower with large-sized collectors, as a larger area can be installed faster.

Façade collector

Large scale collectors in-roof/on-roof

Standard on-roof collector

The products are not available everywhere; if you are interested, please contact your local Alpha-InnoTec supplier.

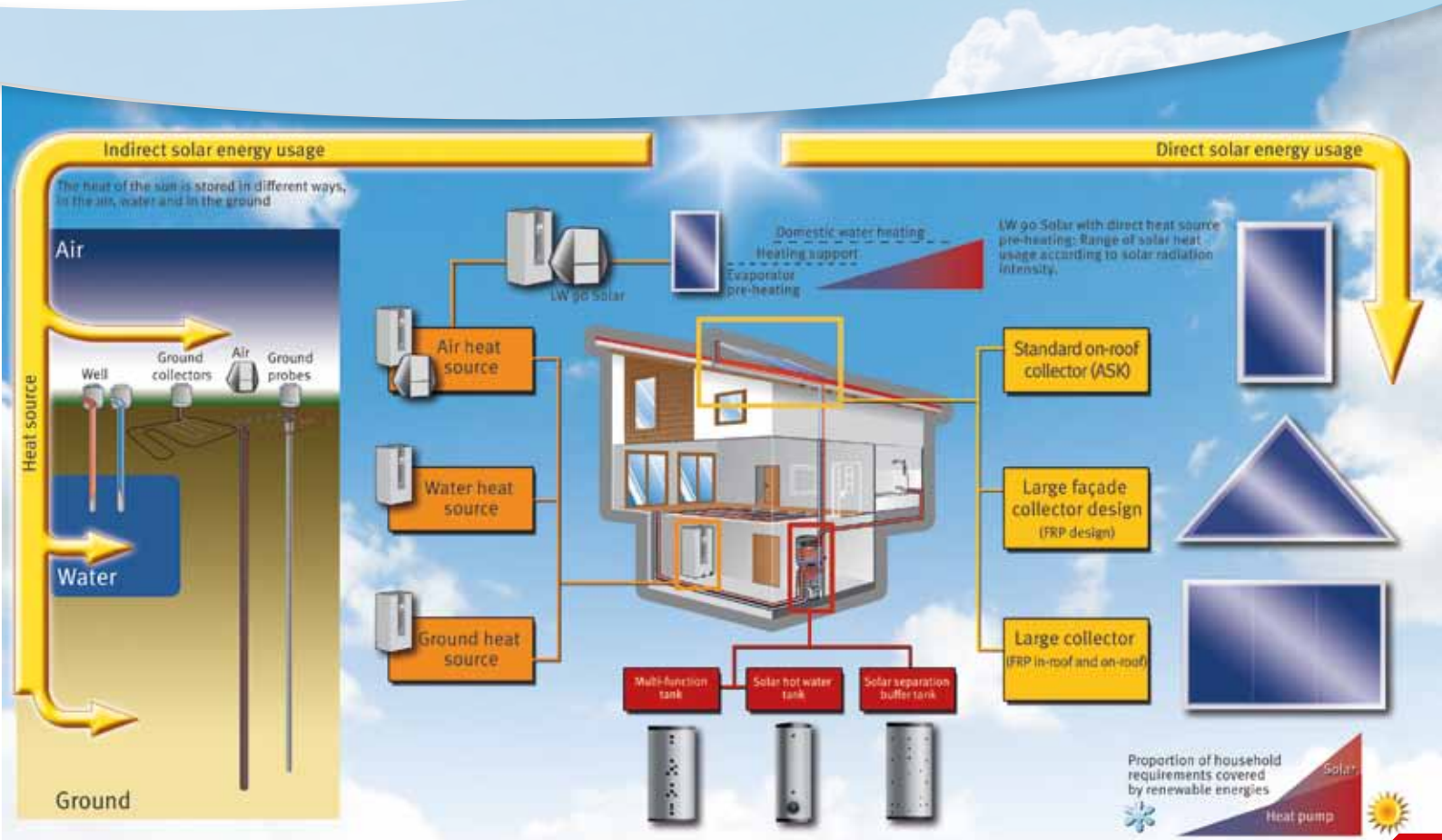
Total independence!

The future of new build and modernisation projects is greatly influenced by practical and sustainable energy systems, with which the costs for space heating, domestic hot water heating, cooling, etc. can be minimised while at the same time protecting the environment. Therefore the combination of heat pump and solar system is ideal.

Plenty of solar heat for kitchen and bathroom
Solar thermal energy systems ensure sufficient hot water is available both in the kitchen and bathroom and support the heat pumps. This means both systems work far more effectively.

Fits almost anywhere
Our range of solar collectors can match virtually any structural situation. Standard collectors for on-roof installation meet the wish for conventional solutions using latest technology which enables maximum energy generation. Large-format and large special design collectors for the roof and façade make even the most difficult roof and wall surfaces usable for solar energy recovery. In all cases, the heat pump is responsible for environmentally friendly heating.

Tailor-made solutions ...
for energy on demand.



The products are not available everywhere; if you are interested, please contact your local Alpha-InnoTec supplier.

Everything under control!

Your Alpha-InnoTec heat pump knows exactly when it needs to provide heat. An outdoor temperature sensor takes care of that. If it is too cold outside, it instructs the heat pump to switch itself on.
You use the Luxtronik 2.0 menu-assisted heat pump controller to set your own personal feel-good temperature. The rotary knob and pushbutton make operating the heat pump child's play – handling is similar to a navigation system in a car.

Feel good at the press of a button – it couldn't be easier.

BACnet/IP – perfect teamwork

The BACnet/IP virtual network enables Alpha-InnoTec heat pumps to be integrated into a building control system. Multi-vendor communication is possible without additional hardware using the Ethernet interface integrated in the heat pump controller.

Control your heating from your phone

Your advantages:

- Intuitive operation via the jog dial
- Full graphic display with self-explanatory menu function
- USB connection (for reading out data or for software updates)
- Start-Up Wizard
- Automatic screed heating program
- Separate mode setting
- Weather compensated control of several heating circuits

Always and everywhere!

Everything under control
Together with the Luxtronik 2.0 controller, AlphaWeb ensures controlled conditions and does so without additional hardware and software. In fact, this function is even integrated free of charge when tied into the internal house network Only the licence costs for AlphaWeb are incurred.

Worldwide access
Worldwide AlphaWeb access requires setting up the heat pump on Alpha-InnoTec's web server. Then both the heat pump owner and the installer have access. The heating can be activated from any location by means of a PC or smart phone with internet access.

A DSL connection is required
The commissioning must be carried out by an authorised installer or the national partner of Alpha-InnoTec. You, as the consumer, set up the router. Your installer signs a contract with you and signs on the heat pump to the AlphaWeb server. And that's it! Ready whenever you are.

Heat pump meets the internet.

Your advantages:

- Cost-effective remote troubleshooting is possible
- Fault message sent by text message (SMS), e-mail or fax
- Heat pump settings can be adjusted online

Experience and expertise!

Alpha-InnoTec is one of Europe's leading manufacturers of heat pumps. With our innovative solutions we repeatedly set new standards. Numerous satisfied heat pump customers are already profiting from our high level of know-how. Within the industry, the quality brand Alpha-InnoTec has long since become synonymous with perfected and durable engineering "Made in Germany", on which you can always fully rely in everyday use.

A high standard for us to meet. And a clear pledge to our customers, that we will masterfully achieve this standard, not only today but in the future too. For example, with our production facility in the Franconian village of Kasendorf, one of the most modern heat pump factories in the world.

We do what we do best.

Your advantages:

- In-house training centre
- Certified quality production
- Certified environmental production
- Heat pumps certified with the European heat pump quality seal
- 39,000 m² total area
- 15,000 m² production and logistics area
- Up to 50,000 heat pump units per year
- 1,000 m² customer and service centre

Perfect service from the outset – we are there for you in person!

Quality is not a matter of chance!
It is a matter of choice!




Even though we can produce up to 50,000 units a year in our factory, an Alpha-InnoTec heat pump is not a mass-produced item.
On the contrary: behind it is state-of-the-art engineering knowledge and intensive development, and above all, sound workmanship. Each individual heat pump is produced by our employees with the greatest possible care and runs through a strict quality assurance process. Only when we are really one hundred percent satisfied with our product do we allow it be delivered. It is not without reason that almost all Alpha-InnoTec heat pumps bear the European quality seal.
In addition, we regularly have our units thoroughly tested by independent external test institutes ... and always receive top grades.

The future of the heat pump is called Alpha-InnoTec.

Your advantages:

- Identical controller for all units
- Great product range
- Customized products to country-specific requests
- Sales in more than 20 European countries

European Quality Label for Heat Pumps
ehpa
check the validity of this label at www.ehpa.org/QL

Technical Data

Air/water heat pump outdoor installation

Outdoor installation	Performance data for A2 / W 35 to EN 14511				Limits of application		Unit	
	Heat output [kW]		COP		Heating circuit [°C]	Heat source [°C]	Dimensions [mm]	Weight [kg]
	1 compressor	2 compressor	1 compressor	2 compressor			B x D x H	
LWD 50A	5,6	–	3,8	–	25 to 70	-20 to 35	1310 x 505 x 930	141
LWD 70A	7,7	–	3,8	–	25 to 70	-20 to 35	1310 x 505 x 930	146
LWD 50A/RX	5,6	–	3,8	–	25 to 70	-20 to 35	1310 x 505 x 930	146
LWD 70A/RX	7,7	–	3,8	–	25 to 70	-20 to 35	1310 x 505 x 930	151
LW 90A Solar	8,8	–	3,4	–	20 to 60	-20 to 35	1943 x 746 x 1523	310
LW 90A/RX	9,4	–	3,5	–	20 to 60	-20 to 40	1774 x 848 x 1353	260
LW 140A/RX	13,8	–	3,5	–	20 to 60	-20 to 40	1931 x 1050 x 1780	280
LW 71A	7,2	–	3,5	–	20 to 60	-20 to 35	650 x 650 x 1270	145
LW 81A	8,4	–	3,5	–	20 to 60	-20 to 35	650 x 650 x 1270	145
LW 81A/X	8,0	–	3,3	–	20 to 60	-20 to 35	650 x 650 x 1270	145
LW 101A	9,5	–	3,7	–	20 to 60	-20 to 35	1774 x 848 x 1353	260
LW 121A	11,8	–	3,7	–	20 to 60	-20 to 35	1943 x 746 x 1523	280
LW 140A	13,8	–	3,7	–	20 to 60	-20 to 35	1931 x 1050 x 1780	370
LW 180A	9,5	17,2	3,8	3,6	20 to 60	-20 to 35	1931 x 1050 x 1780	420
LW 251A	13,2	24,0	3,8	3,6	20 to 60	-20 to 35	1779 x 1258 x 1817	540
LW 310A	16,8	31,0	3,6	3,5	20 to 60	-20 to 35	1779 x 1258 x 2127	573
LW 100H-A	10,0	–	3,4	–	20 to 64	-20 to 35	1774 x 848 x 1353	270
LW 180H-A	9,0	17,5	3,4	3,3	20 to 64	-20 to 35	1931 x 1050 x 1780	420

Air/water heat pump outdoor installation – single phase

Outdoor installation	Performance data for A2 / W 35 to EN 14511				Limits of application		Unit	
	Heat output [kW]		COP		Heating circuit [°C]	Heat source [°C]	Dimensions [mm]	Weight [kg]
	1 compressor	2 compressor	1 compressor	2 compressor			B x D x H	
LWD 50A/SX	5,5	–	3,7	–	25 to 70	-20 to 35	1310 x 505 x 930	141
LWD 70A/SX	7,4	–	3,5	–	25 to 70	-20 to 35	1310 x 505 x 930	146
LWD 50A/RSX	5,5	–	3,7	–	25 to 70	-20 to 35	1310 x 505 x 930	146
LWD 70A/RSX	7,3	–	3,7	–	25 to 70	-20 to 35	1310 x 505 x 930	151
LW 90A/RSX	9,4	–	3,5	–	20 to 60	-20 to 40	1774 x 848 x 1353	260
LW 81A/SX	8,0	–	3,1	–	20 to 60	-20 to 35	650 x 650 x 1270	145
LW 121A/SX	11,5	–	3,2	–	20 to 60	-20 to 35	1943 x 746 x 1523	265
LW 100H-A/SX	9,5	–	3,1	–	20 to 64	-20 to 35	1774 x 848 x 1353	274

Air/water heat pump indoor installation

Indoor installation	Performance data for A2 / W 35 to EN 14511				Limits of application		Unit	
	Heat output [kW]		COP		Heating circuit [°C]	Heat source [°C]	Dimensions [mm]	Weight [kg]
	1 compressor	2 compressor	1 compressor	2 compressor			B x D x H	
LW 90 Solar	8,8	–	3,4	–	20 to 60	-20 to 35	846 x 746 x 1523	310
LW 101	9,5	–	3,7	–	20 to 60	-20 to 35	746 x 846 x 1353	260
LW 121	11,8	–	3,7	–	20 to 60	-20 to 35	846 x 746 x 1523	280
LW 140	13,8	–	3,7	–	20 to 60	-20 to 35	795 x 1050 x 1780	370
LW 180	9,5	17,2	3,8	3,6	20 to 60	-20 to 35	795 x 1050 x 1780	420
LW 251	13,2	24,0	3,8	3,6	20 to 60	-20 to 35	795 x 1258 x 1887	540
LW 310	16,8	31,0	3,6	3,5	20 to 60	-20 to 35	795 x 1258 x 1887	540
LWC 60	6,2	–	3,5	–	20 to 60	-20 to 35	845 x 745 x 1860	290
LWC 80	8,0	–	3,5	–	20 to 60	-20 to 35	845 x 745 x 1860	295
LWC 100	10,4	–	3,4	–	20 to 60	-20 to 35	845 x 745 x 1860	300
LWC 120	11,9	–	3,4	–	20 to 60	-20 to 35	845 x 745 x 1860	305
KHZ-LW 60	6,2	–	3,5	–	20 to 60	-20 to 35	1545 x 745 x 1910	495
KHZ-LW 80	8,0	–	3,5	–	20 to 60	-20 to 35	1545 x 745 x 1910	500
LW 100H	10,0	–	3,4	–	20 to 64	-20 to 35	746 x 846 x 1353	255
LW 180H	9,0	17,5	3,4	3,3	20 to 64	-20 to 35	795 x 1050 x 1780	420

Air/water heat pump indoor installation – single phase

Indoor installation	Performance data for A2 / W 35 to EN 14511				Limits of application		Unit	
	Heat output [kW]		COP		Heating circuit [°C]	Heat source [°C]	Dimensions [mm]	Weight [kg]
	1 compressor	2 compressor	1 compressor	2 compressor			B x D x H	
LWC 90S/X	9,5	–	3,4	–	20 to 60	-20 to 35	845 x 745 x 1860	290

Technical Data

Domestic hot water heat pump

Indoor installation	Performance data for air 15 °C/water 15-45 °C		Limits of application		Unit	
	Heat output [kW]	COP	Heating circuit [°C]	Heat source [°C]	Dimensions [mm] Diam. x H	Hot water storage tank [l]
BWP 303 S	1,66	3,2	55	8 to 35	660 x 1846	285
BWP 306 S	1,52	3,54	55	0 to 35	660 x 1837	285

Hydraulic tower

Indoor installation	Storage tank		Unit		
	Domestic hot water nominal volume l	Buffer tank l	External pressure bar	Dimensions B x D x H (with safety component) mm	Weight kg
HT 1 (LW 71A - LW 81A)	295	98	0,44 at 1000 l/h	720 x 800 x 1820 (1940)	290
HT 2 (LW 101A - LW 180A)	285	98	0,5 at 2000 l/h	720 x 800 x 1820 (1940)	290

Multi-function tank

Indoor installation	Solar collector	Discharge capacity	Dimensions ø x H (without interfaces)	
	Area in m² l	Hot water drawn off at 20 l/min.	Without insulation mm	With insulation mm
MFS 600 S	to 10	to 200	650 x 1865	810 x 1930
MFS 830 S	to 16	to 220	790 x 1905	990 x 1985
MFS 1000 S	to 20	to 220	790 x 2055	990 x 2140

Ventower

Indoor installation	Ventilation module			Hot water storage tank	Heat pump output up to	Dimensions
	Air volume flow		Manual summer function	Contents		B x D x H
	m³/h	at Pa		l	kW	mm
VTS 300	300	100	✓	275	10	700 x 700 x 1910
VTS 400	370	300	✓	275	10	700 x 700 x 1910

On-Roof Collectors

On roof mounting								
	Gross area m²	Aperture area m²	Dimensions B x D x H	Case	Weight kg	Absorber content l	Minimum output kWh/m²a	Collector slope angle °
ASK 26	2,6	2,36	2110 x 1233 x 93	Aluminium single case	42	1,7	› 525	20 - 80
ASK 26Q	2,6	2,36	1233 x 2110 x 93	Aluminium single case	42	1,7	› 525	20 - 80
GFK 84 A	8,39	7,6	2055 x 4085 x 92	Aluminium framing	150	4,4	› 525	20 - 90
GFK 105 A	10,47	9,5	2055 x 5095 x 92	Aluminium framing	180	5,0	› 525	20 - 90
GFK 126 A	12,55	11,4	2055 x 6105 x 92	Aluminium framing	220	5,7	› 525	20 - 90

In-Roof Collectors

In roof mounting								
	Gross area m²	Aperture area m²	Dimensions B x D x H	Case	Weight kg	Absorber content l	Minimum output kWh/m²a	Collector slope angle °
Design	optional	specific	optional	Timber framing	specific	specific	› 525	20 - 90
GFK 47 I	4,7	4,2	2000 x 2355 x 115	Timber framing	115	3,3	› 525	20 - 90
GFK 63 I	6,3	5,5	2000 x 3125 x 115	Timber framing	176	4,4	› 525	20 - 90
GFK 78 I	7,8	6,9	2000 x 3895 x 115	Timber framing	218	5,5	› 525	20 - 90
GFK 93 I	9,3	8,3	2000 x 4665 x 115	Timber framing	224	6,5	› 525	20 - 90
GFK 109 I	10,9	9,7	2000 x 5435 x 115	Timber framing	305	7,5	› 525	20 - 90
GFK 125 II	12,5	11,0	2000 x 6205 x 115	Timber framing	350	8,6	› 525	20 - 90

With heat pumps from Alpha-InnoTec you‘re making the right choice!

Alpha-InnoTec products are monitored during production by the TÜV

Alpha-InnoTec is a member of:
Bundesverband WärmePumpe (BWP) e.V.
European Heatpump Association (EHPA)
FWS Fördergemeinschaft Wärmepumpen Schweiz

Alpha-InnoTec is certified to ISO 9001 (quality) and ISO 14001 (the environment)

CE

Alpha-InnoTec products carry the CE marking

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