Dimplex

Empowering the next GENERATION.

Highlights 2023.







highlights in 2023.



















Empowering the next GENERATION.

Dear readers and visitors to the trade fair,

We're delighted to present our new products for 2023 in this brochure. It's great that we can finally meet up in person again!

The climate objectives set by politicians for the buildings sector are very clear – all of Europe needs to use more renewable energy to generate heat. As a result, heat pump technology is currently in the midst of a real heat revolution. To ensure this succeeds, we provide our specialist trade partners with cleverly thought-out solutions that are quick to install and offer top safety and reliability. These are set to be major success factors in the future, particularly when renovating buildings.

We're delighted to present System E, a new top-of-the-range solution developed specifically for boiler replacement and operation with radiators.

However, in this era of renewable energy, we also see new opportunities opening up for direct electric heating. Dimplex's solutions for electric buildings provide a flexible, future-proof, affordable and convenient solution for all applications, but particularly for well-insulated buildings or residential units with solar panels on the roof.

Our products and services are designed to make your day-to-day life that bit easier. That's why we don't just offer a wide range of products, but also an extensive portfolio of matching services as well.

Dimplex has been synonymous with exemplary solutions for heating, cooling, ventilation and domestic hot water for almost 50 years – with a steadfast focus on 100% electric designs. Whether it's a new build, renovation or light commercial project – with Dimplex you know you have a reliable partner by your side, giving you the exact support you need to make your project a success. Our mission is and always will be to provide sustainable, bespoke solutions by making the most of our products' incredible durability and outstanding efficiency.

Kind regards,

Heiko Folgmann

Managing Director
Business Unit Heating & Ventilation

Dimplex

We heat, cool and ventilate the future – all electric.

Dimplex has been driving forward innovation for almost 50 years. As the leading international manufacturer of efficient and practical solutions for heating, cooling and ventilation, Dimplex is the perfect partner to assist you with your project.

Dimplex offers sustainable and innovative solutions for electric heat, heat pumps, domestic hot water and ventilation, giving you comprehensive climate control solutions that are ready for the electric houses of tomorrow. We don't focus on individual products, but on providing an intelligent, holistic system-based solution.

Our mission is to supply durable products and provide a reliable service you can count on. We want to work hand in hand with you to shape the future of heating, cooling and ventilation. We strive to be a strong service partner at your side, supplying system-based solutions for new builds and renovation projects alike. How do we do this? By developing solutions that show their full potential when combined, and that fit together like cogs in a wheel, right down to the smallest detail.



Everyday life empowered.

Glen Dimplex creates, develops and manufactures innovative products and solutions for living and working environments that help to make the every day lives of our customers easier, better and more energy efficient.

Dimplex is a brand of the international Glen Dimplex Group, which has its headquarters in Ireland. As a family company, **Glen Dimplex** is now the global market leader when it comes to developing and manufacturing energy-efficient heating devices and systems.

Our mission is to be the leader in sustainable heating and ventilation solutions, both for new builds and when renovating residential buildings and business premises.

The four Business Units in the Glen Dimplex Group – Heating & Ventilation, Precision Cooling, Flame, and Consumer Appliances – all hold major positions in the global market for heating and cooling solutions, ventilation, household appliances and electric fireplaces.

What we offer.

HEAT PUMPS

Whether it's from the air, ground or water, our heat pumps work with all available sources of energy. They can be flexibly combined with other systems and are easy to install.

VENTILATION.

The right solution for every building: centralised or decentralised, with or without an air distribution system. But always raising energy efficiency!



DOMESTIC HOT WATER.

Hot water for showering, bathing and in the kitchen – efficiently heated by our heat pumps, domestic hot water cylinders or pass-through heaters.



STORAGE AND DIRECT HEATING.

Cosy heat from free-standing or wall-mounted convectors as well as storage or infrared heating systems. Simply install, connect – and you're done!



CONTROL.

Dimplex products have always come with an extraordinarily precise control system. Networked, digital, mobile.





At its HQ in Kulmbach, Dimplex has stood for expertise in heating and refrigeration for almost 50 years. This is where our experts and specialists design energy-efficient products and systems and get them ready to launch on the market. We manufacture our products either on site or at one of our European subsidiaries or affiliated companies.

All signals are set to green: it's now or never!

We at Dimplex have been valuing the benefits of electric heating and cooling for a long time. However, the everworsening climate crisis has now also sharpened the issue in the minds of politicians, who have issued clear instructions to wean ourselves off coal, oil and gas as energy sources as quickly as possible. The aim is not only to drastically reduce CO_2 emissions, but also provide greater energy independence.

Heat pumps are currently experiencing their biggest boom since they were invented, and are expected to become the most important heating technology in Europe as no other system for heating (and cooling) buildings can be operated so efficiently using only renewable energy.

Nowadays, everyone is familiar with electric vehicles. So it's high time that we also start talking about **electric houses**: buildings whose heating, cooling and ventilation needs are also met using only electric energy obtained from renewable sources, designed to maximise efficiency. And that is exactly what the solutions from Dimplex are designed to do: Our efficient **direct heating appliances** really come into their own in conjunction with our **ventilation and domestic hot water systems**. When supplemented with a PV plant and storage batteries, the process can become entirely carbon-neutral and more self-sufficient for the long term.

R 290.

The new standard for refrigerants.

Synthetic refrigerants in heat pumps were considered the state of the art for a long time. However, due to their high global warming potential, it was decided in 2014 (as part of the F-Gas Regulation) to phase down the use of these refrigerants and to have industry focus more on **natural refrigerants** instead.

In the heat pump sector, **R290** is the main natural refrigerant on account of its outstanding thermodynamic properties. **Dimplex** has helped to pioneer the development of heat pumps based on natural refrigerants, and in fact brought the first heat pumps with R290 to a marketable stage as early as the 1980s.

In addition to its eco-friendly properties, R290 offers a range of other benefits as well. Compared with conventional refrigerants it achieves **higher performance** and thus **better efficiency** – ideal for the high flow temperatures required for radiators and commercial applications.

Dimplex develops an **optimised safety concept** for each and every heat pump, tailored to the needs of the components and refrigerant being used, which guarantees smooth and safe operation. A particularly sophisticated safety concept was developed for the latest generation of heat pumps with R290 refrigerant, ensuring that **System E** can be safely installed close to walls.



System E.

The heat pump for boiler replacement.

NEW

A highly efficient air-to-water heat pump system with eco-friendly R290 refrigerant, impressively quiet, and optimised for a fast replacement of heating systems and operation with radiators.

System E is **compatible** with existing heating system components such as fossil or renewable heat generators, domestic hot water cylinders and photovoltaic plants, making it ideal for renovation projects.

Its **practical, ready-to-use system components** make it very quick to install. It also sets new standards for the replacement of heating systems thanks to the simpler commissioning process and great online support.

R290



System E.

Game changer for renovation projects.

Renovating buildings with a new heat pump is sure to become your new favourite project thanks to our perfectly coordinated heat pump for renovation work.



Your advantages with System E:

1 The perfect choice for boiler replacement.

High flow temperatures when required: 65 °C at an outside temperature of -10 °C. Ideal for renovation projects with radiators. Highly efficient: efficiency at 55 °C comparable to low-temperature systems. Special heat pump radiators for optimal comfort available.

2 One system for everyone.

Online tutorials for simple installation, accessible via QR code on the device. Pre-assembled accessories & expansion modules. Compatible with existing system components.

3 Top service & optimum operation.

Commissioning & system check performed by Dimplex. Warranty can be extended to up to 10 years.

Online maintenance and remote diagnostics. Heat pump community for tips on system optimisation.

Sustainable, eco-friendly and future-proof.

R290 natural refrigerant. Pleasantly quiet. Inverter technology for efficient operation with optimised energy consumption and costs. Can be combined with PV plants. Durable, corrosion-resistant outer shell. Made in Germany.

Our mission.

Solving problems.

The buildings sector is responsible for **35% of primary energy consumption** and **40% of CO₂ emissions**. European countries have committed themselves to making existing buildings carbon-neutral by 2045. The aim is to install 30 million heat pumps in the European Union by 2030, most of them when existing buildings are being renovated.

System E has therefore been developed specifically for **use in existing buildings**, to make it as easy as possible to replace an old heating system with a **new renewable** one.

Dimplex is counteracting the massive rise in demand and the skills shortage with its **fast installation process that is now easier than ever**, thanks to **a comprehensive range of accessories** and the unique assistance provided by our **digital Dimplex Support**.

The result.

A new superstar.

The state-of-the-art technology, top workmanship and durable components ensure **the system will run smoothly and reliably for many years to come.**

System E has been optimised to ensure **quiet operation**, with the compressor and fan outputs perfectly matched to one another. Sound measurements have recorded a sound power level of only 49 dB(A) – which is impressively low.

To provide even more peace and quiet, the device has been designed so that it can be installed **close to walls**. And thanks to its **inverter technology**, the heat pump is also designed for continuous operation.

The **Dimplex service** doesn't stop when commissioning is over – a comprehensive range of services, which can be booked individually, have also been developed for System E to provide even greater **peace of mind** and make operation even easier. They include the option of extending the warranty to up to 10 years, remote maintenance using remote access, and our heat pump community – taking care of **continuous improvements.**



Two versions

for every situation.



Air-to-water heat pump for heating & cooling with wall-mounted WPM Touch heat pump manager

- + controller with flexible options for integrating domestic hot water cylinders or buffer tanks in customised sizes.
- + designed to be combined with fossil-fuel or renewable heat generators or for the use of existing installations/ components.



Air-to-water heat pump for heating & cooling with Hydrotower incl. 300 I domestic hot water cylinder + 100 I buffer tank

- + for buildings with high domestic hot water consumption - up to 6 people.
- + connection options for an additional fossil-fuel or renewable heat generator.
- + with integrated buffer tank.

System E. All technical data at a glance:

Order reference	System E Pure LA 1118CP*	System E Comfort LA 1118BWCP*
Item number	380800	381910
Max. flow temperature	65 °C	65 °C
Lower/upper operating limit of heat source (heating operation)	- 22 °C to + 35 °C	- 22 °C to + 35 °C
Max. heating capacity A-7/W35	~ 11 kW	~ 11 kW
Max. heating capacity A2/W35 / COP	5.8 kW / 4.4	5.8 kW / 4.4
Max. cooling capacity A27/W18 / EER		
Sound power level / lowered	49 dB (A) / 48 dB (A)	49 dB (A) / 48 dB (A)
Refrigerant / refrigerant quantity	R290 / 1.3 kg	R290 / 1.3 kg
Dimensions (W x H x D)** Outdoor unit/indoor unit	1418 x 1107 x 598 mm	1418 x 1107 x 598 mm 710 x 1890 x 950 mm
Energy efficiency class Low / medium temperature **	A+++ / A+++	A+++ / A+++

The values provided are preliminary data, which may still change before the start of series production.

* Can be ordered from May 2023. Available from July 2023.

** In a range from A+++ to D.

Smart accessories.

System E Hydrotower.



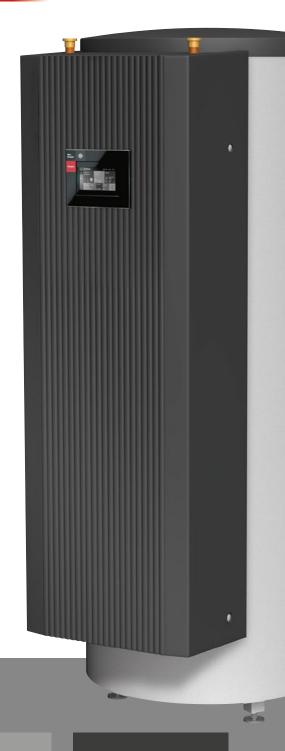
Strong system benefits: the Hydrotower is a perfect match for the System E outdoor unit as it includes all neccessary hydraulic components, all optimally aligned with each other to ensure efficient operation.

Ready-assembled, it **minimises the installation work** and the space required in the heating room without compromising on convenience. The Hydrotower offers enough capacity in the buffer tank and domestic hot water cylinder to comfortably supply a family of 6.

The **integrated colour touch display** makes commissioning quick and easy. **QR codes** on the device link to online tutorials that guide the user through the commissioning process and show the exact installation step the user is dealing with at that moment.

Other benefits include:

- + Demand-based supplementary heating via switchable pipe heater (2/4/6 kW)
- + Standard integrated heating flange with 1.5 kW output to support domestic hot water preparation.
- + Quick and easy to expand to several heating circuits thanks to pre-assembled accessories.
- + A second heat generator can be connected (bivalent or renewable).
- + Dynamic cooling with heat pump radiator and/or silent cooling via underfloor heating incl. dew point control are available via system accessories.



More system. More benefits.

Floor console* Covers old foundations.

Wall sleeve*

Covers and seals up openings in walls.

Pre-assembled extension modules

for 2nd heating circuit, bivalent intearation.

Networked.

Compatible with building management systems via bus systems and ready for smart grids.

The ace up your sleeve.

Heat pump radiators.



System E has been developed as a highly efficient solution for providing a pleasant room temperature using conventional radiators. If this is not sufficient to meet your needs, or if you want to save energy by using low flow temperatures without the need to retrofit underfloor heating, you now have the perfect alternative available to you. **Heat pump radiators** can simply replace conventional radiators and feature small fans with low flow temperatures, meaning they are incredibly efficient and offer excellent heat distribution in the room.

Special benefit: heat pump radiators aren't just an energy-efficient way to provide heating, they can also provide silent cooling if the heat pump is reversible.

Dimplex offers two versions:

the traditional horizontal design (WPHK) or the space-saving vertical design which is also suitable for wet rooms and bathrooms (WPHKV)*.



Dimplex heat pump radiators WPHK and WPHKV*.

Ultra-fast copper/aluminium high-performance heat exchanger for **low flow temperatures** and the highest possible heat output.

Control and adjust the radiator using 3 buttons which can be mounted flexibly on the outside of the casing. The operating modes can be set individually.

Radiator optimised for use with heat pumps, in a horizontal or vertical design and with a shallow profile, for **heating**

and silent cooling.

Twin-Power fans connected in series for a higher air outlet temperature and fast transfer of heat to the room.



System M Flex Cooling.

The plug and heat system can now provide cooling as well!

The M Flex air-to-water heat pump from Dimplex is extremely quick and easy to plan and install as many hydraulic components are already built in. Combined with the M Flex Air central ventilation unit and a domestic hot water cylinder, an exceptionally flexible overall system can be created.

2 regulated performance classes, 2 types of cooling: the epitome of cool.

M Flex Cooling is available with a heating capacity of 6-9 kW or 9-16 kW with inverter technology.

New: both versions can be equipped with a silent or dynamic cooling function. With silent cooling, underfloor, wall and ceiling heating systems are used to provide cooling. Dynamic **cooling** allows for a higher cooling capacity using fan convectors.

Space-saving indoor unit.

- + Ready-for-connection heat pump hydraulics with refrigeration circuit and hydraulic unit for excellent reliability and minimal space consumption.
- + Modern intuitive operation using 4.3 inch colour touch display.
- + 9-16 kW version achieves the highest efficiency class A+++ in a lowtemperature application.
- + Indoor and outdoor unit are connected by a refrigerant line up to 10 m long. No time-consuming and costly core drilling necessary.

Integrated components:

- + 50 I buffer tank with dual differential pressureless manifold.
- + 3-way reversing valve (heating/domestic hot water).
- + Pipe heating of max. 6 kW to support heating operation and for hot water reheating.
- + Separate pump for generator and consumer circuit.
- + 24 I expansion vessel.
- + Safety valve.
- + Dirt trap, flow and pressure sensor.





Your advantages with M Flex:

All relevant components are already integrated. Arrives ready-assembled, making installation quick and easy. Very flexible planning and installation options as it can be expanded with

Extremely quiet.

The outdoor unit has been specially optimised for installation close to walls. The speed-controlled fan provides a naturally quiet sound. The compressor has been deliberately shifted in the indoor unit. This keeps noise emissions to a minimum, even at full performance.

Efficient inverter technology. 3

Attractive design. Compact format.

The design features reassuringly high-quality materials, clearly accentuated surfaces and excellent workmanship. The indoor and outdoor units have been designed to save a lot of space and to be compact.



Compact outdoor unit.

- + Speed-controlled fan (extremely quiet operation)
- + Monitored condensate drain with energy-efficient pan heating for reliable operation in cold climatic regions
- + Invisible refrigerant line connection is possible.
- + Evaporator
- + Expansion valve.



Flexible combinations.

With domestic hot water.

Matching domestic hot water cylinder.

MDHW 232.

- + Nominal capacity 220 I Effective capacity 199 I
- + Elegant design that perfectly matches the indoor unit of M Flex and System M.
- + Compact dimensions with a footprint of 60 x 60 cm.



Domestic hot water cylinder.

Individual sizes.

+ WWSP 335

Nominal capacity: 300 | Effective capacity: 277 |

+ **WWSP 442**

Nominal capacity: 400 | Effective capacity: 352 |

+ **WWSP 556**

Nominal capacity: 500 | Effective capacity: 433 |



All technical data at a glance:

M Flex Cooling 6-9 kW M Flex 0609HBC M	M Flex Cooling 9-16 kW M Flex 0916HBC
381080	378560
60 °C	60 °C
- 22 °C to + 35 °C	- 22 °C to + 35 °C
6.0 kW / 3.0	9.4 kW / 3.0
4.2 kW / 4.16	6.5 kW / 4.33
6.8 kW / 4.1	10.4 kW / 4.2
52 dB (A) / 48 dB (A)	55 dB (A) / 47 dB (A)
R410A / 3.8 kg	R290 / 4.78 kg
850 x 1230 x 600 mm 600 x 1400 x 750 mm	850 x 1230 x 600 mm 600 x 1400 x 750 mm
A++ (154 %) / A+ (116 %)	A+++ (180 %) / A++ (136 %)
	M Flex 0609HBC M 381080 60 °C - 22 °C to + 35 °C 6.0 kW / 3.0 4.2 kW / 4.16 6.8 kW / 4.1 52 dB (A) / 48 dB (A) R410A / 3.8 kg 850 x 1230 x 600 mm 600 x 1400 x 750 mm

M Flex Air.

The perfect counterpart to M Flex or System M.

A consistent look in the technology room - at last. Using up minimal space. The ventilation module can be perfectly combined with any M Flex or System M heat pump, including domestic hot water preparation and the Air 56 air distribution system. With a smart design to ensure quick installation and commissioning. Only very low levels of noise are emitted into the environment as a result of the latest generation fans and the perfect interplay of all structural components.

Flexible installation:

Reversible directions of air flow. Floor-standing. Or for wall mounting, with vertical or horizontal installation.











Your advantages with M Flex Air:

- Automatic operation using integrated air quality sensors in exhaust air and outside air.
- 2 Tested safety.

Compact dimensions. 3

Optional comfort features.

All technical data at a glance:

Order reference	M Flex Air. Ventilation unit with heat recovery	M Flex Air Plus. Ventilation unit with heat and moisture recovery.	
Item number	378020	378030	
For use in residential properties	Up to approximately 250 m²	Up to approximately 250 m²	
Min max. air volume flow	50 - 320 m³/h	50 - 320 m³/h	
Heat exchanger	Crosscurrent flow	Crosscurrent flow with moisture recovery	
Max. heat supply rate	Up to 92 %	Up to 85 %	
Summer bypass	Yes	Yes	
Fireplace safety function	Yes Yes		
Energy efficiency class*	A	A	

Operation

Everything in perfect control. All in one system.

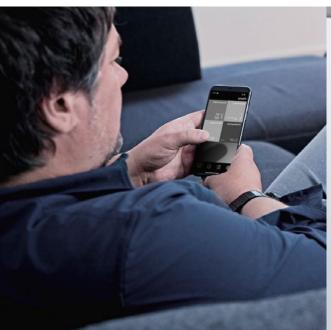
A system works only as well as it is controlled. And the more elements involved, the more important it is to coordinate all the different tasks intelligently. Dimplex not only provides the most efficient system, but also an optimal control.

Smart

for the operator.

Desired temperatures and mode of operation can be changed intuitively.







Easy

for the installer.

The guided commissioning takes the installer through the system configuration step by step, helping them to set the right configuration.

Easy and intuitive.

The Dimplex touch display.

Dimplex heat pumps come with a touch display as standard. The integrated controller automatically ensures efficient and convenient operation. The intuitively designed user interface on the display can be used to carry out all heat pump settings easily on-site.



Good to know.

The Dimplex master control is able to control up to 14 heat pumps connected in parallel at the same time. Air/brine and water heat pumps can be combined for both heating and cooling purposes.

Smart control. **The Dimplex Home app.**

Using the Dimplex Home app, you can access the control system for your Dimplex heat pump at any time and from anywhere.

With the intuitive app interface, you can set different temperatures for different rooms, set the heating to come on at certain times, and activate holiday mode when you are away.



System S.

A sustainable solution for intelligent heating.

Flexible and versatile: System S is a split air-to-water heat pump system with inverter technology, opening the door to a whole host of possibilities for heating, cooling and domestic hot water preparation in many new-build or renovation projects. It adapts intelligently to the actual heating, cooling and hot water consumption in the building, making it particularly efficient and powerful.



Your advantages with System S:

Three performance classes. Three combination options. 1

High efficiency. 2

Maximum flow temperatures of up to 65 °C enable domestic hot water temperatures of up to 60 °C for year-round efficient use of free environmental heat. The cooling function can be provided via combined panel heating/cooling systems and/or fan convectors.

Intuitive operation. 3

Smart solution while on the move. 4

Can be controlled easily while on the move via the Dimplex Home app. The premium version of the app for installers also comes with an automatic notification function in the event of faults, graphic evaluation of device data and troubleshooting.

- 5

Three Dimplex solutions.



6 kW and 10 kW version with integrated domestic hot water cylinder (200 l)

- + for normal water consumption up to 4 people.
- + connection option for an external buffer tank for use in renovations or in combination with individual room control.

Order reference:

LIA 0608HWCF M LIA 0911HWCF M



6 kW, 10 kW and 14 kW version with 300 l domestic hot water cylinder + 100 l buffer tank

- + for buildings with high domestic hot water consumption up to 6 people.
- + connection option for an additional fossil-fuel or renewable heat generator.
- + with integrated buffer tank for use in renovations or in combination with individual room control.

Order reference:

LIA 0608BWCF M LIA 0911BWCF M LIA 1316BWCF M LIA 1316BWCF



For new builds and renovations.



6 kW, 10 kW and 14 kW version with Hydrobox

- + hydraulic unit with flexible options for integrating domestic hot water and buffer tanks in customised sizes.
- + for combining with fossil-fuel or renewable heat generators or for using existing installations/ components.

Order reference:

LIA 0608HXCF M LIA 0911HXCF M LIA 1316HXCF M LIA 1316HXCF

All technical data at a glance:

Order reference	LIA 0608	LIA 0911***	LIA 1316***
Max. flow temperature	65 °C	65 °C	65 °C
Lower/upper operating limit of heat source (heating operation)	- 25 °C to + 35 °C	- 25 °C to + 35 °C	- 25 °C to + 35 °C
Max. heating capacity A-7/W35 / COP	6.21 kW / 2.86	8.31 kW / 3.11	12.70 kW / 2.79
Max. heating capacity A2/W35 / COP	5.50 kW / 3.95	8.20 kW / 4.05	10.30 kW / 3.88
Max. cooling capacity A27/W18 / EER	8.18 kW / 5.68	11.55 kW / 5.20	16.51 kW / 6.69
Sound power level / lowered (outdoor)	58 dB (A) / 53 dB (A)	60 dB (A) / 55 dB (A)	65 dB (A) / 56 dB (A)
Refrigerant / refrigerant quantity	R32 / 1.50 kg	R32 / 1.65 kg	R32 / 1.84 kg
Dimensions (W x H x D) of outdoor unit	1008 x 712 x 426 mm	1118 x 865 x 523 mm	1118 x 865 x 523 mm
Energy efficiency class – low/ medium temperature *	A+++ (195 %) / A++ (138 %)	A+++ (205 %) / A++ (137 %)	A+++ (186 %) / A++ (136 %)
		-	- -

^{*} In a range from A+++ to D.

System C. LA 60P-TUR. Heating and cooling. On a large scale.

The LA 60P-TUR is ideal for building heat consumption up to 60 kW and is perfect for large projects, such as apartment buildings or office buildings. It is suitable for heating and cooling in both new builds and existing buildings, as well as for providing process heat in commercial and industrial use. Highly efficient, reversible, two performance levels – the LA 60P-TUR always works based on the demand and optimises your costs.



Rear



High-performance outdoor unit.

- + Quiet thanks to speed-controlled fans and sound-optimised compressor chamber.
- + Energy efficiency class A++.
- + Future-proof and eco-friendly thanks to the use of natural refrigerant.
- + Equipped with two performance levels for high coefficients of performance (COPs) in both full-load and partial load operation.

Your advantages with the LA 60P-TUR:

Reliably future-proof.

The R290 natural refrigerant has a low GWP value, making it future-proof and ensuring it complies with al requirements relating to the F-gas phase-down (GWP <150) by 2030 and beyond.

2 Optimal efficiency values.

With a COP of 4.9 for heating operation, the LA 60P-TUR achieves a high seasonal performance factor with a high flow temperature of 66°C. The result: more energy efficiency and lower operating costs.

More control.

The integrated thermal energy meter reliably measures the system efficiency.

Flexible cascade options.

Can be combined perfectly with pre-configured hydraulics and other applications. In order to cover high outputs, several devices can be connected in parallel and controlled by a master-slave control system.

The best possible connectivity.

With a wide range of communication interfaces (available as accessories), the LA 60P-TUR can easily be connected to conventional smart home and home automation systems and exchange information.

System C. LA 33TPR. Minimal footprint. Maximum performance.

This reversible heat pump for flexible outdoor installation has a monoblock design, uses R290 natural refrigerant and satisfies the most stringent requirements regarding sound and efficiency. It is suitable for building heat consumption of up to 33 kW with a flow temperature of 64 °C and can provide hot water of up to 60 °C and cooling in summer. This makes it ideal for apartment buildings – be it new builds or renovation projects – with a living space measuring up to 750 m².



Compact outdoor unit.

- + Extremely quiet operation via innovative speed-controlled fan and sound-optimised compressor chamber.
- + High operational reliability thanks to monitored condensate drain with energy-efficient condensate tray heating and safety equipment in the refrigeration circuit.
- + LA 33TPR achieves the energy efficiency class A++ in a low-temperature application.
- + Easy connection to the wall-mounted controller via bus system.



System C. All technical data at a glance:

Order reference	LA 33TPR	LA 60P-TUR
Item number	378690	377770
Max. flow temperature	64 °C	64 °C
Lower/upper operating limit of heat source (heating operation)	- 22 °C to + 40 °C	- 22 °C to + 40 °C
Max. heating capacity A-7/W35 / COP	19.9 kW / 3.1	42.1 kW / 3.1
Max. heating capacity A2/W35 / COP	22.2 kW / 3.7	44.6 kW / 3.6
Max. cooling capacity A27/W18 / EER	27.1 kW / 2.9	32.7 kW / 3.9
Sound power level / lowered	63 dB (A) / 60 dB (A)	74 dB (A) / 67 dB (A)
Refrigerant / refrigerant quantity	R290 / 2.5 kg	R290 / 7.6 kg
Dimensions (W x H x D)	1065 x 1815 x 775 mm	1900 x 2300 x 1190 mm
Energy efficiency class - low/ medium temperature *	A++ (170 %) / A++ (139 %)	A++ (171 %) / A++ (139 %)

^{*} In a range from A+++ to D.

System C.

Modular hydraulic station. Your new heating center.

Dimplex provides the ideal solution for residential buildings, office complexes, supermarkets and other commercial premises, as our **modular hydraulic station** arrives complete with all piping and cabling. Individually planned, modular in design, manufactured to industrial standards and extremely quick to install, it contains all the necessary hydraulic and control components required to heat and cool buildings with a heat consumption of up to 500 kW. Together with a high-performance heat pump, you benefit from a **future-proof, renewable and holistic overall system**.

As an option, it can also be supplied with **heat recovery**, e.g. through the use of industrial waste heat.

30 kW to 500 kW 5 m³/h to

30 kW to 500 kW Heat/ refrigeration capacity

5 m³/h to 70 m³/h **Volume flow** +7 °C to +60 °C Temperature range

Hydraulic station for heating and cooling buildings using a master-slave control system. For 2 LA 60P-TPR air-to-water heat pumps.

Dimensions/ weight of module 1

Dimensions/ weight of module 2

Heating capacity A-7 / W35

Cooling capacity A35 / W18

Installation

Volume flow / external compression of primary circuit

Volume flow / external compression of mixed heating circuit

Volume flow / external compression of unmixed circuit

Supply voltage / main supply line

Electrical power consumption incl. 3 x heating element

1700 x 700 x 1870 mm 280 ka

2150 x 700 x 1870 mm

80 kW

100 kW

Indoors

8.5 m3/h / 7.0 m each (2 primary circuits)

6.0 m³/h / 8.5 m (1 mixed circuit)

6.0 m³/h / 9.0 m (1 unmixed circuit

~3Ph/400V/50Hz

28.5 kW

~ 300 kg Weight per module **Stainless steel** or **steel/**black welded pipes

Cold/heat insulation

Your advantages with the hydraulic station:

Planning reliability and top quality.

Pre-planned and pre-assembled modules.

Already available as a 3D model in the planning phase. Top quality thanks to industrial manufacturing and testing.

2 Save time and money.

Minimal installation work on site thanks to the pre-assembled design. Heat recovery reduces the energy costs dramatically.

3 Clearly defined interfaces.

Can be integrated into building management systems and bus systems.

▲ Flexibility.

Modular design enables the system to be planned individually for each specific application. Can be combined with all Dimplex air or brine heat pumps > 20 kW. Other system components can be integrated into the hydraulics and controls. Dimensions can be individually adjusted to the building.

Monitoring.

Controlled. Networked. Optimised.



Up to 14 heat pumps connected in parallel can be controlled using the WPM Touch Master. It is also possible to combine reversible and non-reversible heat pumps.

The WPM Touch Master brings together the centralised control for heating, cooling, domestic hot water and swimming pool preparation, making it particularly user-friendly. The graphical touch surface ensures the system is easy to use.

The **interfaces** make it easy to connect to building networks:

















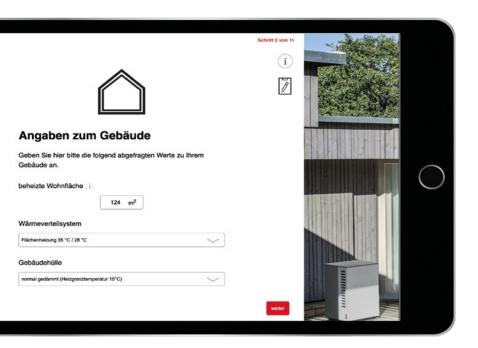


Heat pump configurator.

Find the right heat pump in just a few steps.

Quick, easy and reliable. The Dimplex heat pump planner helps you when planning and designing your heat pump system.





- + Professional tool for correctly sizing heat pumps for space heating incl. domestic hot water preparation.
- + Select the right system quickly and easily thanks to user guidance when entering the building data – on PCs, laptops or tablets.
- + Reliable estimates of the heat and hot water consumption based on the main building data.
- + Detailed calculations by determining the bivalence point.
- + Clear information, comprehensive documentation for your consultation.
- + Integrated interface to the BWP calculation tool for reliable and independent calculations of the seasonal performance factor and noise emissions.

All-electric house.

Nowadays, new buildings are so well insulated that their heat consumption is low and can be covered efficiently using direct electrical heating systems. For these residential buildings – be they a tiny house or a family home – Dimplex can provide all-electric solutions to efficiently heat the rooms and water and provide ventilation.

We have listed three example applications – a tiny house, a bungalow and a family home – to demonstrate how we need only small amounts of energy to provide maximum comfort in buildings of different sizes. Thanks to the flexible Dimplex system, a base version with minimal costs is also available for all applications, ideally suited to places like holiday homes that are only occupied temporarily.

A domestic hot water heat pump and a photovoltaic plant can be integrated into the system at any time.



Advantages:

1 Quick & inexpensive to install.

Available quickly, a system based on water pipes is not required, allowing for quick and low-cost installation.

7 Flexible.

Very flexible options for installation and how the rooms are used; easy to retrofit.

3 Reliable & sustainable.

Very durable and resilient products. Low or even no CO₂ emissions when a photovoltaic plant is integrated.

4 Individually tailored.

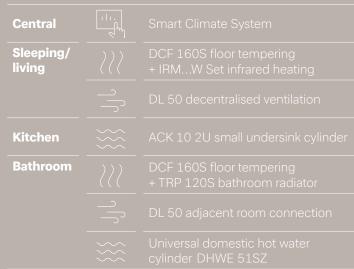
Heat output precisely when it is needed.



1 Tiny house

Living space of approx. 40 m² | 1 room | 1-2 people





2 Bungalow Living space of approx. 80 m² | 2-3 rooms | 2-3 people

With its open design, a bungalow creates a unique living environment with a direct linkto nature.

The suitable heating and ventilation system:

Central Sleeping Living

Children

Kitchen

Bath-

room

Exhaust air (on-site)

DHWE 81SZ universal domestic hot water cylinder





Guest bathroom

Living space of approx. 120 m² | 3-5 rooms | 3-4 people

learning and enjoying family life. A cosy atmosphere is provided by:			
Central		Smart Climate System	
		Domestic hot water heat pump DHW 301P	
		Central ventilation M Flex Air with Air 56	
Sleeping		DCF 160S floor tempering	
Living		DCF 160S floor tempering + IRMW Set infrared heating	
Children		DCF 160S floor tempering	
Office/ hobbies		DCF 160S floor tempering	
Kitchen		DTD 4T wall convector + SCS controller DCU 2R	
Bathroom		DCF 160S floor tempering + TRP 150 X bathroom radiator	



DHW domestic hot water heat pumps.

NEW

Hot water. Obtained from the air.

The DHW 250P and DHW 301P(+) domestic hot water heat pumps are an efficient and economical solution for domestic hot water preparation. Quick to install, they provide the hot water used by a single-family home all year round. In the process, they recover the energy required to heat the water from the surrounding air (> 7 °C) or the waste heat in the indoor air, convert it into hot water with a temperature of up to 60 °C, and dehumidify the utility room or cellar. They are ideal for combining with another heat generator such as an oil or gas heating system.

DHW 301P(+)

Domestic hot water heat pump with an effective capacity of 270 litres and PV connection.*

- + High-quality cylinder insulation to minimise standstill losses
- + Energy efficiency class A+ (hot water consumption L).
- + Ideal for domestic hot water preparation in existing buildings as it is easy to install.
- + Controlled via rotary controller and keys. Boost function, PV function, time programs and much more
- + Max. temperature of 60 °C when solely in heat pump mode, additional heating element for thermal disinfection.
- + PV feed-in for heat pump and heating element can be provided.
- + **DHW 301P+** with additional heat exchanger for integrating a second heat generator.



Domestic hot water heat pumps. All technical data at a glance:

Order reference	DHW 250P	DHW 301P / DHW 301P+
Item number	380820	382060 / 382070
Consumption profile for domestic hot water		
Lower/upper operating limit of heat source (heating operation)		-7 °C to +45 °C
COP according to EN 16147		3.14 / 3.0
Sound pressure level at 1 m (indoors)	37 dB (A)	40 dB (A)
Temperature setting range	+40 °C to +60 °C	+30 °C to +60 °C
Dimensions (W x H x D)	630 x 1721 x 630 mm	630 x 1.812 x 630 mm
Diameter / weight	630 mm / 94 kg	630 mm // 83 kg / 87 kg
Energy efficiency class for domestic hot water preparation*		A+ (130 %) / A+ (125 %)

^{*} In a range from A+ to F

^{*} Can be ordered from April 2023. Available from May 2023.

DHWE and IHW.

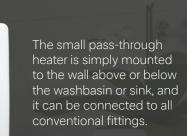
Hot water. At the right time. In the right place.



The electronic DHWE wall-mounted cylinders provide energy-efficient hot water for almost any application. They come in different sizes, meaning a single location or the entire home can be supplied with hot water. The Smart Memory function remembers at what times hot water is typically required and optimises the hot water preparation accordingly. This makes particularly energy-efficient operation possible.

The DHWE 81SZ can also be operated with inexpensive low-tariff energy (two-circuit mode). Automatic thermal disinfection protects against legionella accumulation.

The **IHW 55** small pass-through heater is particularly efficient because it only heats up the water that is actually required whilst it is flowing through. As such, you have hot water at all times without needing to wait and without distribution or standby losses. Power is only needed when hot water is being consumed. This saves energy as well as costs.





All technical data at a glance:

Order reference / item number	IHW 55 / 379800 DHWE 81SZ / 374600	
Rated power	5.5 kW	2.0 kW to 6.0 kW
Energy efficiency class*	А	В
Temperature/increase	30 K (flow of 2.6 l/min)	15 °C to 70 °C
Degree of protection	IP25	IP24
Electrical connection	1/N/PE, 230 - 240 V~	1/N/PE ~230 V, 50 Hz / 3/N/PE ~400 V, 50 Hz
Dimensions (W x H x D)	170 x 225 x 75 mm	500 x 860 x 512 mm
Weight	1.2 kg	39 kg

^{*} In a range from A+ to F.

Decentralised ventilation. DL 50 and DL 40.

Better indoor air and lower energy costs.

Regardless of whether you have a new or old building, anyone looking for contemporary living needs to consider how the ventilation system will work.

This also includes figuring out how to ensure a good indoor climate whilst minimising energy costs. Thanks to easy installation and the compact design, the decentralised ventilation units from Dimplex are often used in existing buildings.

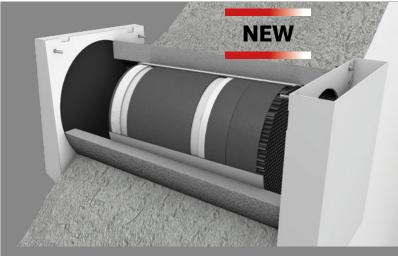
However, they are also ideal for installation in cost-efficient new builds on account of the straightforward integration concept and excellent flexibility. Dimplex always provides the right solution for you, tailored to your specific building.



Your advantages with the DL 50

Decentralised domestic ventilation unit with Constant Flow technology.

- 1 Ideal for bed- and living rooms up to 30 m².
 Connection available for an adjacent room (e.g. bathroom). Solution for specific rooms, independently of the rest of the home
- Permanent exchange of supply and exhaust air.
 The uniform air flow generates an almost imperceptible operating noise.
- **3** Efficient when exchanging large volumes of air. 85 % degree of heat recovery at a volume flow of 40 m³/h
- 4 Breathe deeply.
 Supply air filter (ePM2.5 65 %) traps pollen and dust.
 Perfect for allergy sufferers.
- 5 Excellent control system.
 Optional air quality sensor automatically adjusts the air exchange to suit the actual requirements.



Your advantages with the DL 40

Decentralised domestic ventilation unit with Push-Pull technology.

- ldeal for rooms up to 15 m² in size.

 Can be used as a pair in a single room or in two adjacent rooms. Can be combined with a conventional ventilation system to create a hybrid solution, e.g. in bathrooms.
- 2 Alternating supply air and exhaust air mode.
 At a volume flow of 10 m³/h, conveys up to 99% of the heat in the exhaust air over to the supply air.
- 3 Excellent control system.
 Integrated automatic temperature control uses the cold night-time air to cool down overheated rooms.
- 4 Cleverly thought-out functions.
 Integrated sleep timer with pause function which switches to the most recent ventilation level once the set time has elapsed.
- **Easy to install.**Quick installation in pairs thanks to thermally decoupled building shell set or retrofittable wall sleeve.



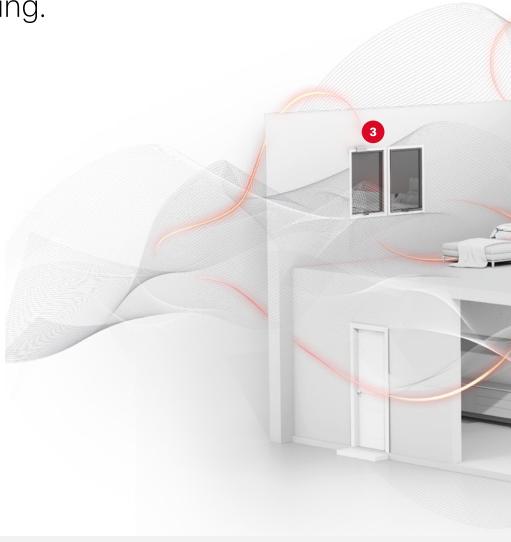
All technical data at a glance:

Order reference	DL 50 WA2	DL 50 WE2	DL 50 WH2	DL 40
Operating limit for outside temperature	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C	-20 °C to +40 °C
Operating limit for room temperature	+15 °C to +35 °C	+15 °C to +35 °C	+5 °C to +35 °C	+15 °C to +35 °C
Volume flow	15/30/45/55 m³/h	15/30/45/55 m³/h	15/25/35/45 m³/h	10/15/21/30/40 m³/h
Power consumption*	4/8/15/23 W	4/8/15/23 W	4/7/11/19 W	0.85/0.95/1.15/1.7/2.15 W
Heat supply rate	85% at 40 m³/h 87% at 15 m³/h	85% at 40 m³/h 87% at 15 m³/h	85% at 40 m³/h 87% at 15 m³/h	81% at 21 m³/h 99% at 10 m³/h
Sound power level	44 dB (A) at 40 m ³ /h	44 dB (A) at 40 m³/h	44 dB (A) at 40 m³/h	38 dB (A) at 30 m³/h
Standard sound level difference, (sound insulation)	51 dB (A) during operation	51 dB (A) during operation	51 dB (A) during operation	No data
DIBt approval	Z-51.3.354	Z-51.3.354	Z-51.3.354	Requested

^{*} Supply air or exhaust air mode.

Dimplex Smart Climate System.

A whole new dimension in electric heating.







Smart Climate HUB

The Smart Climate HUB lies at the heart of the Smart Climate System from Dimplex. It intelligently combines the convector and panel heating with the thermostats and receivers in order to control the entire heating system, even when you're not at home. Other handy features include the weekly programs and the ability to set up individual groups of devices for even greater heating efficiency.





Smart Climate SWITCH

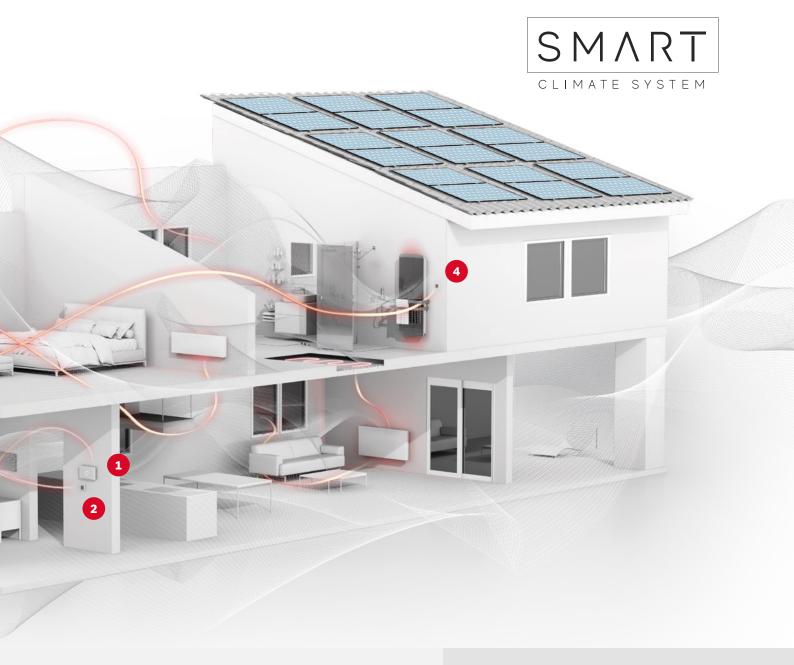
This battery-powered switch can be positioned next to the door, for example, and enables you to easily switch between the various programs without needing access to the app. Comes with an integrated temperature sensor.





Smart Climate SENSE

Window contact that automatically sets the temperature to frost protection when the window is open. A very simple way to save energy and money.







Smart Climate THERMOSTAT DTB-2R

Digital room temperature controller designed to be mounted flush. Suitable for heating mats from Dimplex and other brands (depending on the sensor). Can also be used for selected direct heating appliances from Dimplex's range.

- + Integrated weekly program
- + Program your comfort and eco temperatures
- + "Open window" detection (optionally using SCS Sense)
- + With radio receiver for SCS HUB, meaning it can be operated via app with additional features



Dimplex Energy Control

Conveniently control all devices using the Dimplex Energy Control app. You can even view and adjust the room temperature when you're out and about.



TRP bathroom radiator.

Cosy warmth in your bathroom — all electric.

Bathrooms often top the list of places where heat is required. Underfloor heating alone usually cannot provide all the heat that is needed, meaning an additional heat source is required. Since bathrooms are generally only used for a short period of time, rapid, short-term heating is called for here. Infrared heating devices are the ideal blend of efficiency and a highquality design, providing the perfect solution for this scenario.

The new TRP 150X electric designer bathroom radiator provides 1,500 watts of heating capacity and is suitable for almost all sizes of bathroom. If required, it can even heat the entire room. The infrared radiant heat provides pleasant warmth and ensures your towels are always lovely and warm. If the bathroom suddenly needs to be heated up quickly, a quiet turbo fan kicks in to provide support and heats up the room to a pleasant temperature in next to no time.



TRP series.

The right size for every bathroom.

TRP 120 S*

- + 1,200 W: 700 W radiant heat + 500 W turbo fan
- + Convector radiator
- + "Open window" detection, weekly and daily program, 2 h towel drvina function
- + Operating display with rotary controller and 4 keys
- + 2 towel holders can be mounted in 4 positions
- + Dimensions $(W \times H \times D)$: 366 x 741 x 174 mm





- + 1,000 W heating capacity
- + Infrared radiator
- + 2 height-adjustable towel holders
- + Mirror-finish panel heater
- + Capacitive touch display
- + Weekly programs with integrated run-back timer
- + Self-learning heating automation function
- + "Open window" detection
- + Dimensions $(W \times H \times D)$: 465 x 1100 x 250 mm



- + 1,500 W: 750 W radiant heat + 750 W turbo fan
- + Infrared radiator
- + Super-flat design with just 133 mm
- + Pivoting & illuminated cosmetics mirror with 7x magnification
- + "Open window" detection, weekly and daily program
- + Presence detection
- + 6-key operating display with key lock + 5 openings for holding towels
- + Dimensions $(W \times H \times D)$: 440 x 1500 x 133 mm







IRM & DTD series.

Mounted quickly. Warms up swiftly.

Electric room heating devices from Dimplex stand out with their quick and easy installation, making them ideal for renovation projects.

All the heating devices need is a power supply. When compared with a more complex renovation project involving water pipes, you incur a mere fraction of the costs.

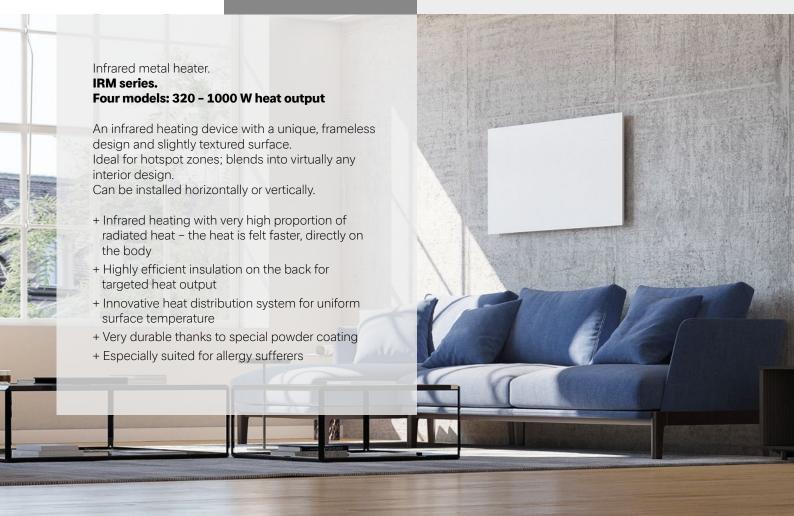


As an option, all devices from the IRM and DTD series can be integrated into the Dimplex Smart Climate System and controlled easily, efficiently and flexibly from afar.

Designer convector. **DTD series. Ten models:**250 - 2000 W heat output

Convector with electronic thermostat for wall mounting or mobile use.
Simple, slim and stylish: compact casing and slim profile.

- + Self-learning heating automation function
- + Choice of weekly programs
- + Greater safety thanks to protective insulation, Nemko test mark, protection against splashing water, IP 24 degree of protection
- + Convector available in heights of 20 and 40 cm
- + Integrated drilling template for quick and easy wall mounting
- + Permanently connected via flexible and covered wall connector box or mains plug
- + Suitable for mobile use thanks to feet or castors



Peace of mind. All around.

With the Dimplex service packages.

System check.





- 2-year manufacturer's warranty
- Inspection of installation and connections
- Inspection of hydraulic integration
- Measurement of heat source
- Controller configuration and training
- Online connection (if provided)
- Travel costs
- Flat-rate fee

Advantages:

- Commissioning is performed by the installer (screed heating program, functional check of the pumps and valves, pressure check of the hydr. heating/ brine circuit, purging etc.). As such, there is no need to wait for a company engineer
- Check to ensure that the heat pump has been installed and integrated properly
- Peace of mind that the system will run correctly
- Control system and components adjusted so as to maximise energy efficiency (pumps, temperatures, heating curve etc.)
- Optimised, customer-specific configuration
- Training on how to use the heat pump manager (e.g. how to switch between summer/winter time, how to adjust the heating curve, the use/ temperature of the domestic water etc.)
- Option to upgrade the service packages (warranty can be extended to 5, 10 or 12 years)





 Scan the QR code or follow the link www.dimplex.de/dimplex-service



Register your address/contact details and device type

The smooth operation of your Dimplex system is our top priority. With our new service packages, we ensure constant operation without faults or downtime.

Comfort package.

5 year warranty

Services:

- 2-year manufacturer's warranty extended to a 5-year warranty
- Maintenance in the 4th year of operation
- Leakage tightness test when performing maintenance in accordance with EU Regulation 517/2014, regardless of the legal requirements
- Free repairs

Advantages:

- 5-year warranty
- Peace of mind that the system will run correctly
- No unexpected repair costs
- System inspected in one maintenance session including leakage tightness test when performing the maintenance in accordance with EU Regulation 517/2014
- Choice of payment method (one-off payment or annual payments)
- Option to upgrade to the Premium package or Maintenance Plus

Premium package.

10 year warranty

Services:

- 2-year manufacturer's warranty extended to a 10-year warranty
- Maintenance in the 3rd, 6th and 9th year of operation
- Leakage tightness test when performing maintenance in accordance with EU Regulation 517/2014, regardless of the legal requirements
- Free repairs

Advantages:

- 10-year warranty
- Peace of mind that the system will run correctly
- No unexpected repair costs
- System inspected in several maintenance sessions including leakage tightness test when performing the maintenance in accordance with EU Regulation 517/2014
- Choice of payment method (one-off payment or annual payments)
- Option to upgrade to Maintenance Plus

Maintenance

One-off

Services:

- Maintenance performed once as per the report
- Safety check

Standard

Services:

- Annual maintenance

Advantages:

- Peace of mind that the system will run correctly
- System inspected in an annual maintenance session including leakage tightness test
- Appointment is automatically made with the customer

Maintenance Plus

12 year warranty

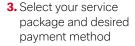
Services:

- Warranty runs throughout the term of the maintenance agreement until the 12th year of operation
- Annual maintenance
- Free repairs

Advantages:

- Warranty runs throughout the term of the maintenance agreement until the 12th year of operation
- Peace of mind that the system will run correctly
- No unexpected repair costs
- System inspected in an annual maintenance session including leakage tightness test
- Appointment is automatically made with the customer







4. Click "Order now" and submit your order to Dimplex.



5. Dimplex creates the warranty certificate, confirms the service agreements and takes care of everything else.

Working for a sustainable future.

With efficient system solutions from Dimplex.





Glen Dimplex Deutschland Headquarters

Glen Dimplex Deutschland GmbH Am Goldenen Feld 18 95326 Kulmbach, Germany

T + 49 9221 709 - 101 F + 49 9221 709 - 339 info@dimplex.de www.dimplex.de

Austrian branch

Glen Dimplex Austria GmbH Hauptstraße 71 5302 Henndorf am Wallersee, Austria

T + 43 6214 20330 F + 43 6214 203304 info@dimplex.at www.dimplex.at

Swiss branch

Glen Dimplex Swiss AG Seestrasse 110a 8610 Uster, Switzerland

T + 41 79 885 98 77

French branch

Dimplex Solutions Thermodynamiques SAS 25A rue de la Sablière 67590 Schweighouse Sur Moder, France

T + 33 3 88 07 18 00 F + 33 3 88 07 18 01 dimplex-ST@dimplex.de www.dimplex.de/fr

Polish branch

Glen Dimplex Polska Sp. z o. o. ul. Obornicka 233, 60-650 Poznań. Poland

T + 48 61 842 58 05 office@dimplex.pl www.dimplex.pl





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