



**A boiler brand
you can trust**



A boiler is at the heart of the home...



By Appointment to
Her Majesty The Queen
Boiler Manufacturer
Worcester, Bosch Group
T/A Bosch Thermotechnology Ltd.
Worcester

...Discover more with Worcester Bosch

This brochure will help you make all the right choices for comfort and warmth to reliably meet your needs both now and into the future.

Why choose Worcester Bosch?	4-7
The key facts about heating and hot water	8
Which heating and hot water system is best for your lifestyle	10-15
Greenstar combi boilers.	16-19
Greenstar system boilers.	20-23
Greenstar regular boilers.	24-27
Worcester Bosch controls range.	29
Boiler controls explained.	31-35
Greenstar external boilers.	36-37
Greenstore hot water storage.	38-39
Keeping your system working efficiently.	40-41
How to get a Worcester Bosch boiler installed in your home.	42-47
Worcester Bosch – supporting you from the start.	49
Other products from Bosch for your home and garden.	50
Comparison tables and technical information.	52-53



Why should Worcester Bosch be your next boiler choice?

Worcester Bosch is the choice for millions of quality and value focused homeowners. In a recent customer satisfaction survey it has been revealed that we are also the choice of professional tradesmen too, with 9 out of 10 heating engineers choosing Worcester Bosch to provide warmth and hot water for their homes and families.



WHICH? Best Buy
Awarded Which? Best Buy for 9 years running.



Trustpilot rated 5 stars
Our customers have consistently rated us 5 stars on Trustpilot.co.uk



Peace of mind guaranteed
Every Greenstar oil boiler is currently guaranteed for up to 7 years*.



UK based and proud
Dedicated manufacturing plants in Worcester and Clay Cross, Derbyshire.



Part of the Bosch Group
All Worcester products are manufactured with Bosch levels of quality and reliability as standard.



Royal Warrant
We are honoured to have received a Royal Warrant in recognition of supplying goods to Her Majesty The Queen.

A percentage of the profits made by Worcester Bosch is donated to charities and good causes by the Robert Bosch Foundation, a non-profit charitable trust which owns 92% of the Bosch Group.

*Terms and conditions apply.

A boiler brand you can trust



In the Which? October 2018 Survey our entire range of boilers came out top. Scoring top marks for reliability and customer satisfaction.

Our boilers also received a five-star recommendation score from Which? Trusted Traders heating engineers, who say:

“Its reliability is excellent. The customer service and culture is first class and their technical helpline is brilliant. It also has fantastic quality of build.”*

Homeowners also highly recommend our boilers with Which?, commenting:

“Worcester Bosch is the best boiler brand out there, based on the results of our latest survey. Its boilers are well loved by those who own them.”*



Rated **9.1** out of 10
Based on **7,324** reviews*

Online reviews

Further endorsements of our boilers can be found on a variety of online review sites including Trustpilot where we have a 5 star rating from over 7,324 independent customers.

*As of 19th September 2018.

“Consistent chart topper. Very reliable, delights customers, backed by engineers who praise its build quality.”†



†2018/2019 Survey Which?

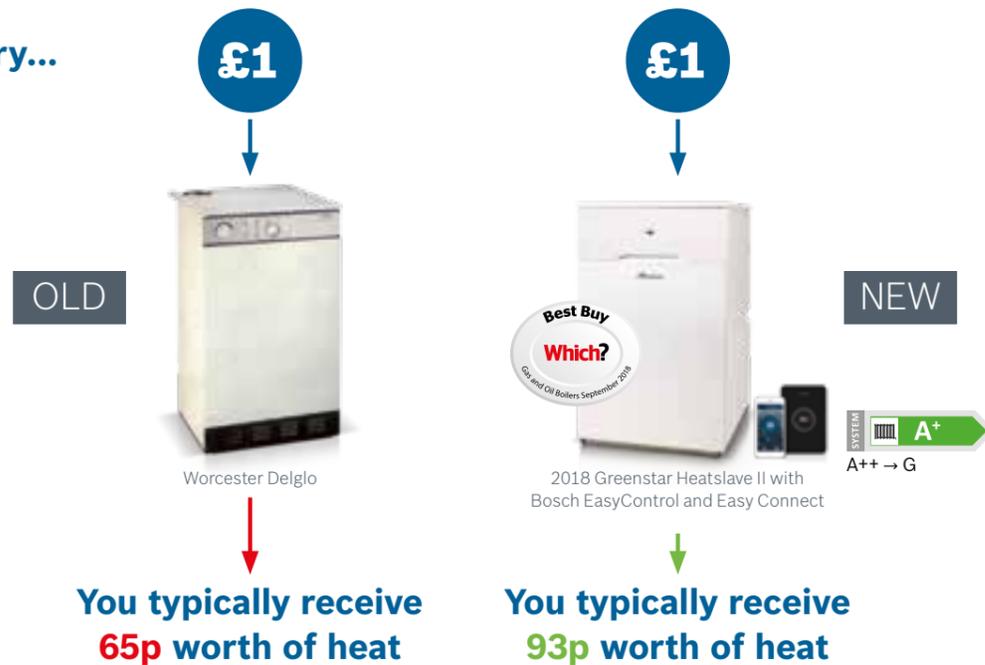
The key facts about heating and hot water

There's a huge range of boilers on the market, so finding one that perfectly suits your home and lifestyle can be tricky. Another consideration is how you use your heating and hot water and if it might change, such as if your family is growing. In every case, we recommend talking to an expert installer.

A leap in efficiency

- ▶ Boilers account for about 60%* of a household's annual energy costs, so have a big effect on fuel bills.
- ▶ With older oil boilers, a considerable amount of heat that could be used to generate heating and hot water is wasted, making them increasingly expensive to run.
- ▶ Worcester Bosch boilers are all more than 90% efficient, so over 90p of every £1 you spend on fuel for your boiler is used for your heating and hot water.
- ▶ Adding a Bosch EasyControl can boost your heating system's efficiency to an impressive 93%.

For every...



Upgrade your heating system and save up to £300 for a year†.

Wise choices

A new boiler can be a sizeable investment, so it's important to choose wisely. It makes sense to consider the durability of parts and maintenance costs.

By discussing everything with experts like your Worcester Bosch installer, you'll make certain of the best long-term value for money, giving you financial peace of mind as well as comfort and warmth.

Smaller carbon footprint

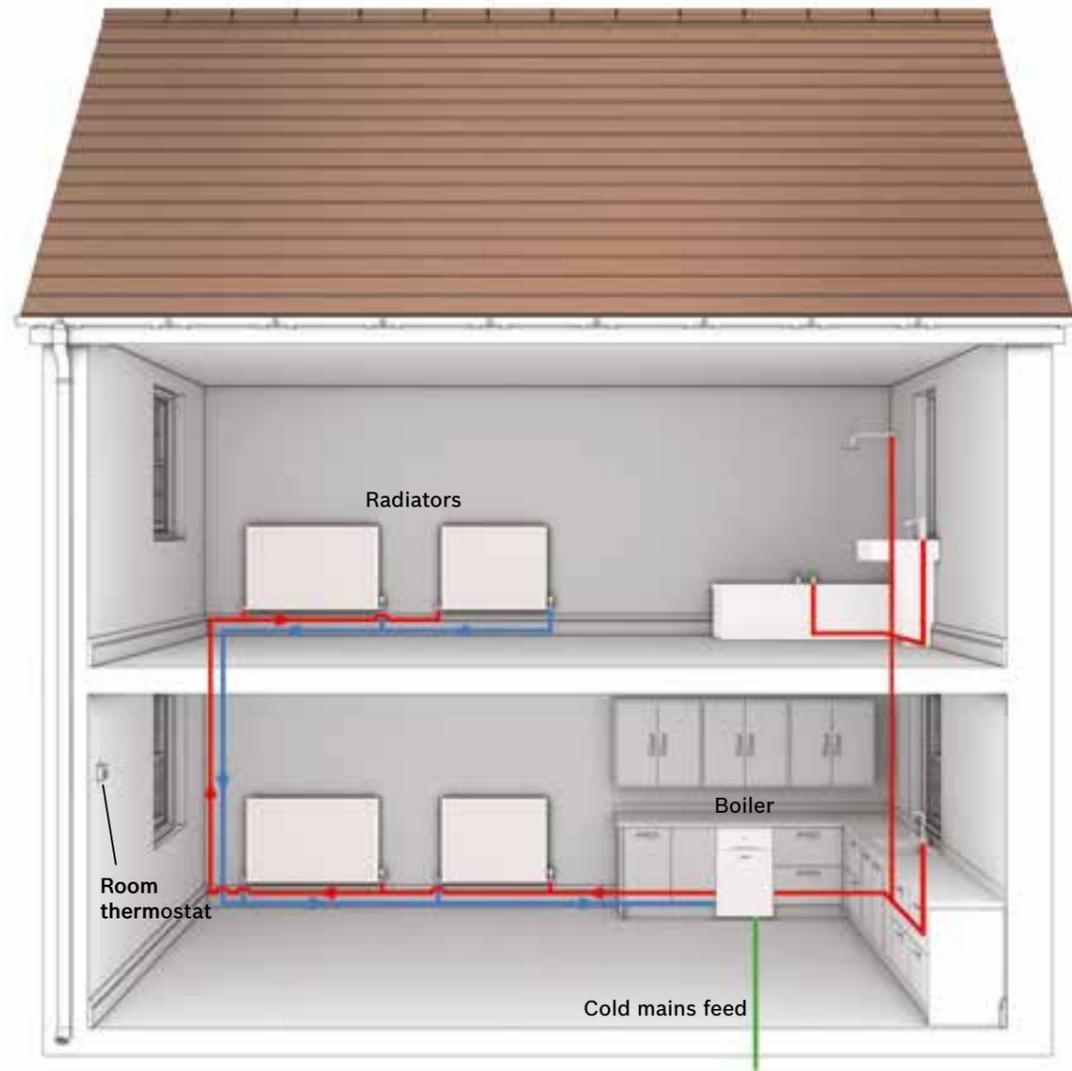
Domestic boilers currently account for 21%* of the UK's total CO₂ emissions so the greater their efficiency, the more kind they are to the environment.

*Source: Energy Saving Trust. †Source: Energy Saving Trust, energysavingtrust.org.uk/home-energy-efficiency/boiler-replacement. Upgrade your heating system and save up to £305 per year. Figure based on installing a new, A-rated condensing boiler with a programmer, room thermostat and thermostatic radiator controls from a G-rated boiler with a programmer and room thermostat in a gas-heated, detached property. Savings will vary depending on the size and thermal performance of your home. Figures are based on fuel prices as of April 2018.





Which heating and hot water system is best for me and my lifestyle?



For guidance only.

Typical combination boiler heating system

A combination or 'combi' boiler is both a high efficiency water heater and a central heating boiler in a single compact unit. Combi boilers heat water directly from the mains when you turn on a tap, so you won't need a hot water storage cylinder or a cold water storage tank in the roof space. They are also very cost-effective and energy-efficient as water is heated instantly rather than being heated and then stored in a cylinder.

An added benefit is that hot water is delivered at mains pressure, which means that you could get a powerful shower without the need for a separate pump.

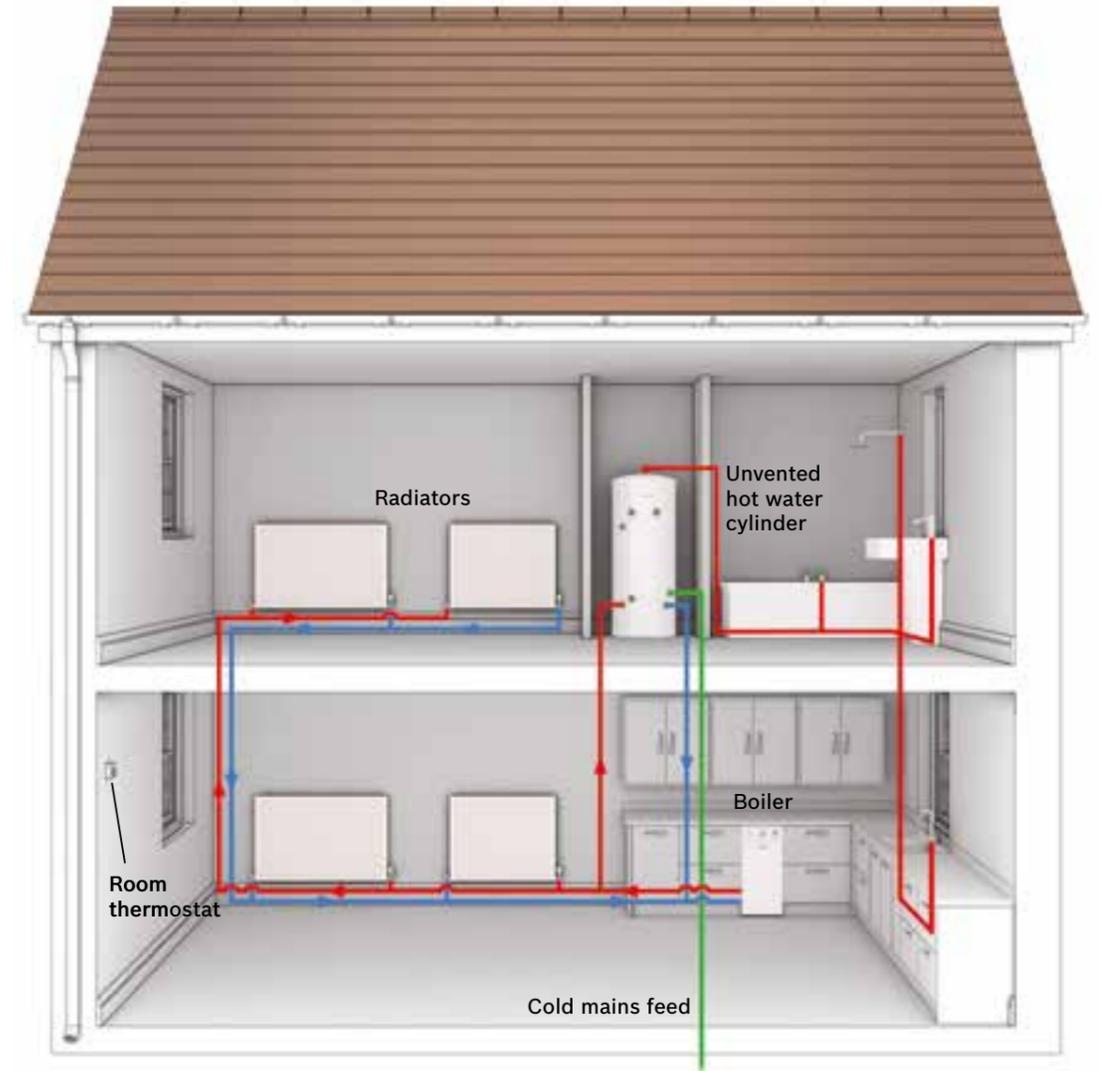
Advantages

- ▶ Compact sizes make combi boilers perfect for smaller properties
- ▶ Perfect where there is little or no loft space
- ▶ No need for a hot water cylinder which allows increased living space
- ▶ No cold water storage tank frees up loft space for conversion
- ▶ No risk of loft pipework freezing
- ▶ Less pipework in the home makes installation typically cheaper.

Go to pages 16-19 to see the Greenstar combi range



For more information visit worcester-bosch.co.uk/BoilersExplained



For guidance only.

Typical system boiler heating system

System boilers require a cylinder for storing hot water, however the major heating and hot water system components are built into the boiler itself, making it quicker and easier to install.

In addition, there is no need for a tank in the loft, so it can be an option in a home with little or no loft space or where the space is earmarked for a conversion. These boilers are also compatible with solar water heating systems, which deliver environmental benefits as well as lower energy bills.

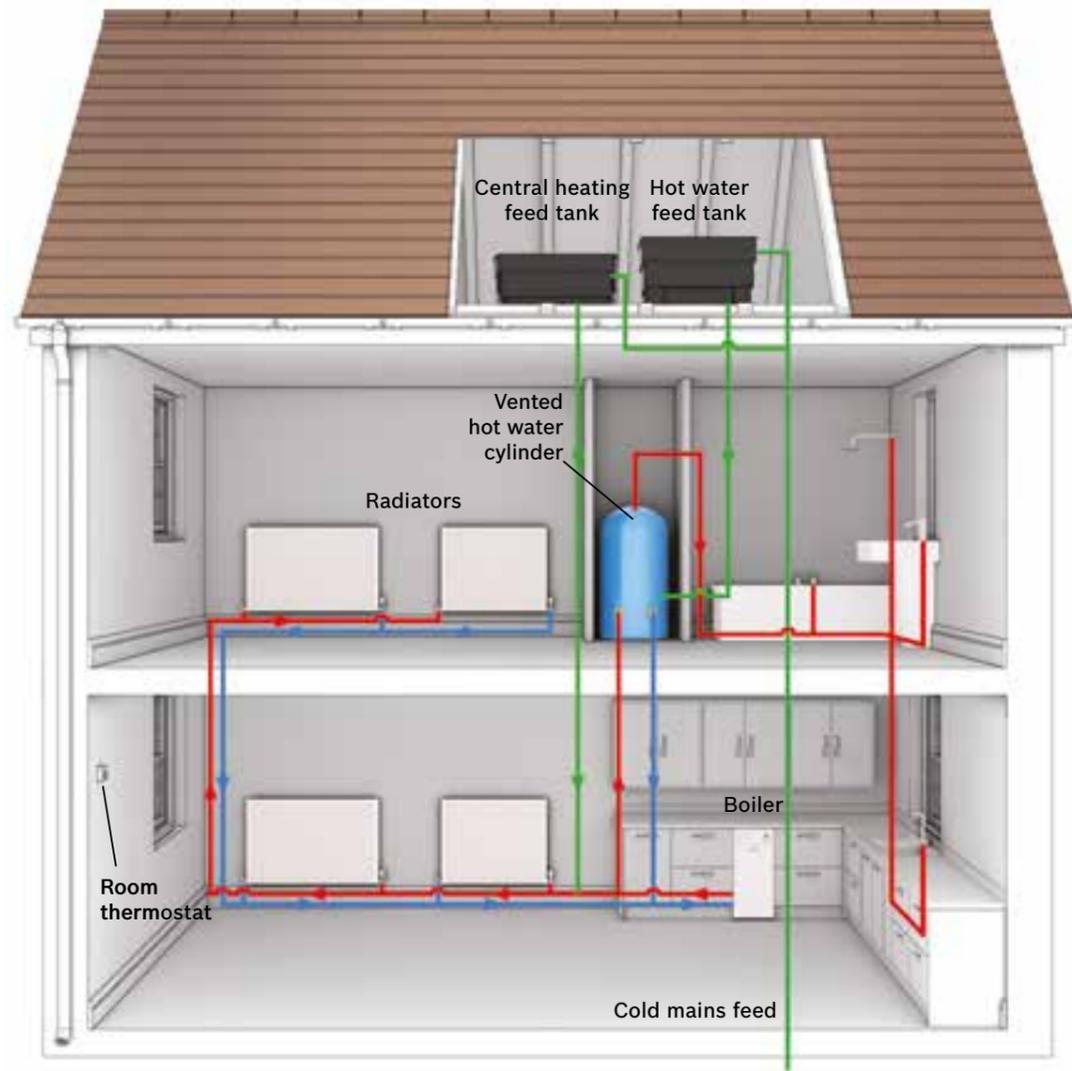
Advantages

- ▶ Perfect for homes with more than one bathroom
- ▶ Constant supply of hot water to multiple taps at the same time
- ▶ No need for a loft tank, freeing up space and eliminating worries about leaks or frost damage
- ▶ Economical to run
- ▶ Built-in components makes installation quicker and neater.

Go to pages 20-23 to see the Greenstar system range



For more information visit worcester-bosch.co.uk/BoilersExplained



For guidance only.

Typical regular boiler heating system

Regular boilers (sometimes known as traditional, conventional or heat only boilers) are ideally suited to homes that already have a traditional heating and hot water system which is linked to a separate hot water cylinder. These boilers also need a cold water storage tank in the loft to feed the hot water cylinder as well as a tank that maintains the water level of the central heating system. A regular boiler may be the best option for replacing an existing boiler if the property has an older radiator system, as it might not be able to cope with the higher water pressure that is delivered by system or combi boilers.

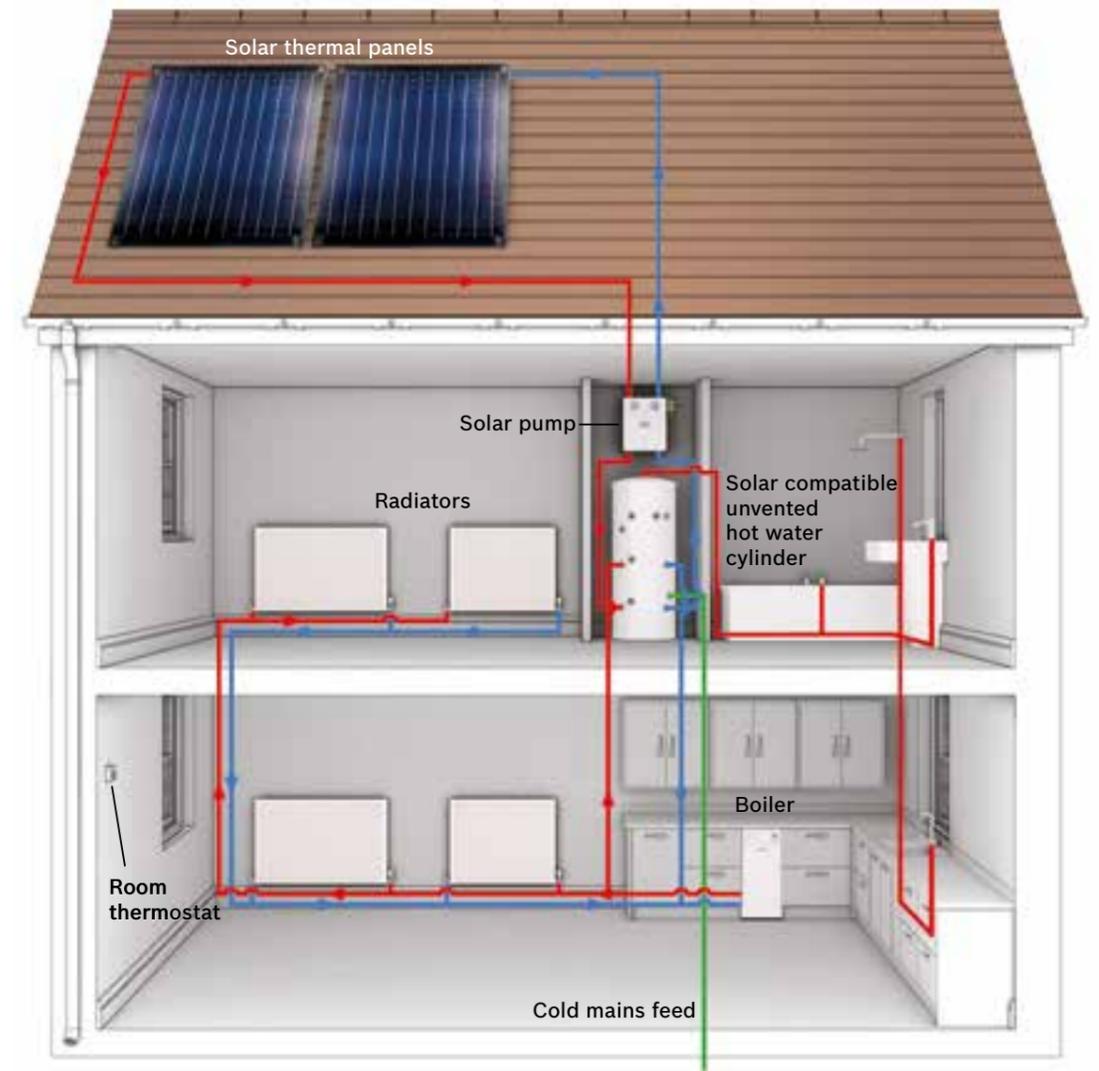
Advantages

- ▶ Suited for homes where a lot of hot water is used at the same time
- ▶ Perfect for larger homes
- ▶ A good option in areas where water pressure is low
- ▶ Compatible with solar water heating systems for a lower carbon footprint and lower energy costs.

Go to pages 24-27 to see the Greenstar regular range



For more information visit worcester-bosch.co.uk/BoilersExplained



For guidance only.

Typical system or regular boiler heating system with solar thermal hot water

System and regular boilers are perfect partners for Worcester Bosch Greenskies solar hot water systems (also known as solar thermal). In a solar thermal system, the panels harness heat from the sun, which is used to heat the water stored in a solar compatible hot water cylinder. The boiler is linked to the system and automatically starts up if the water in the cylinder falls below the required temperature, ensuring you have all the hot water you need all year round.

Effective even on cloudy days and during shorter winter daylight hours, a solar thermal system will typically meet around 60%* of your home's hot water needs, which could mean considerable savings on your energy bills as well as dramatically reduced carbon emissions.

Advantages

- ▶ Typically generates 'free' energy for over half of your hot water needs, giving you lower energy bills
- ▶ Particularly beneficial for homes with large families or high hot water usage
- ▶ Works in direct and indirect sunlight so that you also benefit in the winter months and on cloudy days
- ▶ Compatible with all Worcester Bosch regular and system boilers
- ▶ Reduces your carbon footprint.

Go to our website to learn more about solar thermal

* Source: Energy Saving Trust.

Compact and space saving, combi boilers are very reliable as well as highly energy-efficient making them economical to run.



Greenstar combi boilers

Combi boilers are the most popular heating and hot water solution in the UK, and they are now the preferred choice for most householders and installers. Worcester Bosch was the pioneer of the combi boiler in the UK, with the Greenstar range developed to suit virtually all homes.

Energy saving and convenient

All Worcester Bosch Greenstar combis are designed and manufactured to provide high levels of performance and operating efficiency. This is achieved through features such as the 'keep hot' facility (which ensures hot water is almost instantly available) and the Heatslave II's in-built thermal store which enables the boiler to provide instant hot water for prolonged periods.

What is a thermal store?

A thermal store is a small tank integrated in the Greenstar Heatslave II combi, with the store containing the same water that is found in your radiators. By storing heat within the hot water store, the Heatslave II can instantly heat (via a heat exchanger) the cold water that enters the boiler and then passes to your hot tap or shower, increasing your hot water comfort.





A
A++ → G

B
A → G



A
A++ → G

B
A → G



See page 52 for ERP information.

Greenstar Heatslave II series

The high performance floor-standing Greenstar Heatslave II series is the UK's most popular oil-fired combi boiler. With its sleek modern design, it is perfectly suited to installation anywhere in your home, including in a kitchen where it has been designed to slide neatly under a standard kitchen work top. Larger output models are available to suit the needs of two bathroom homes. Its easy-to-use features include a unique slide-out control panel, which allows simple boiler adjustment and programming from the front of the boiler.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW
Hot water flow rate	15 ltr/min	18 ltr/min	22 ltr/min

All figures are maximums

- ▶ Precise heating and hot water control
- ▶ A range of models to meet the needs of smaller homes as well as larger properties
- ▶ Suitable for kitchen installation. Can be installed under a work surface
- ▶ Compatible with a range of optional controls for greater efficiency and comfort
- ▶ Works with water heated by green sources such as solar energy and wood fired boilers for increased efficiency
- ▶ Concealed controls – ideal for families with young children.

Greenstar Heatslave II External series

The Greenstar Heatslave II External series is ideal when you want a combi boiler but don't have the indoor space or prefer to have it outside. The robust design ensures that even in harsh weather conditions, heating performance is maintained and the boiler components are fully protected.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW
Hot water flow rate	15 ltr/min	18 ltr/min	22 ltr/min

All figures are maximums

- All the same performance features as the **Heatslave II** plus:
- ▶ A robust, durable external cabinet that blends in with the garden
 - ▶ IP45 Ingress Protection – ensures the boiler is protected from water, dust and external elements
 - ▶ Built-in frost thermostat automatically protects the appliance from freezing.

Worcester Bosch Heatslave II control range

The Greenstar Heatslave II and Heatslave II External boilers both feature Worcester Bosch's latest boiler control unit. Neatly concealed within a slide open draw, the control interface not only allows you to intelligently manage heating and hot water production, but it also allows you to take advantage of an efficiency boosting plug-in control from Worcester Bosch.

Fitting a Worcester Bosch control will enable you to:

- ▶ Precisely manage your system
- ▶ Fine tune comfort levels
- ▶ Control heating and hot water 7 days a week
- ▶ Ensure comfort and efficiency with Weather Compensation*
- ▶ Avoid wiring through your home – no wiring required^
- ▶ Easy to read your control – backlit displays^.

For further information see pages 31-34 and for control compatibility see page 53.



Greenstar Heatslave II combi boilers will accept pre-heated hot water from renewable sources such as solar thermal, helping to lower fuel bills and protect the environment. For further information speak to your installer.

* With optional weather sensor. ^ Comfort controls only.



We always recommend you consult a qualified OFTEC installer prior to choosing your boiler.

Find your local Worcester Accredited Installer at worcester-bosch.co.uk/FAI

Remote heating* control made **Easy!**

The EasyControl, the new smart connected heating thermostat from Bosch that makes everything easy and puts you in complete control.

Achieving the perfect heating environment has never been so easy – you can decide the times, temperatures and when installed with Smart Radiator Thermostats, which rooms you want to heat, all from your smart device, wherever you are. Or, let the EasyControl take over sensing your presence and anticipating your routines, saving energy when you're out and about while ensuring the house is warm when you return.

See page 34 for further information on the Bosch EasyControl.

*EasyControl Adapter required. The EasyControl only controls heating, a separate control will be required for hot water.



System boilers provide plenty of hot water to multiple taps at the same time and do not need any tanks in the loft.



Greenstar system boilers

Greenstar system boilers are known for their high quality and reliability, making them robust enough to stand up to the highest of heating and hot water demands.

Efficient and economical

Highly efficient and economical to run, Worcester Bosch system boilers incorporate many of the heating and hot water components found in a traditional heating system, making installation less disruptive and neater.

Space saving and attractive

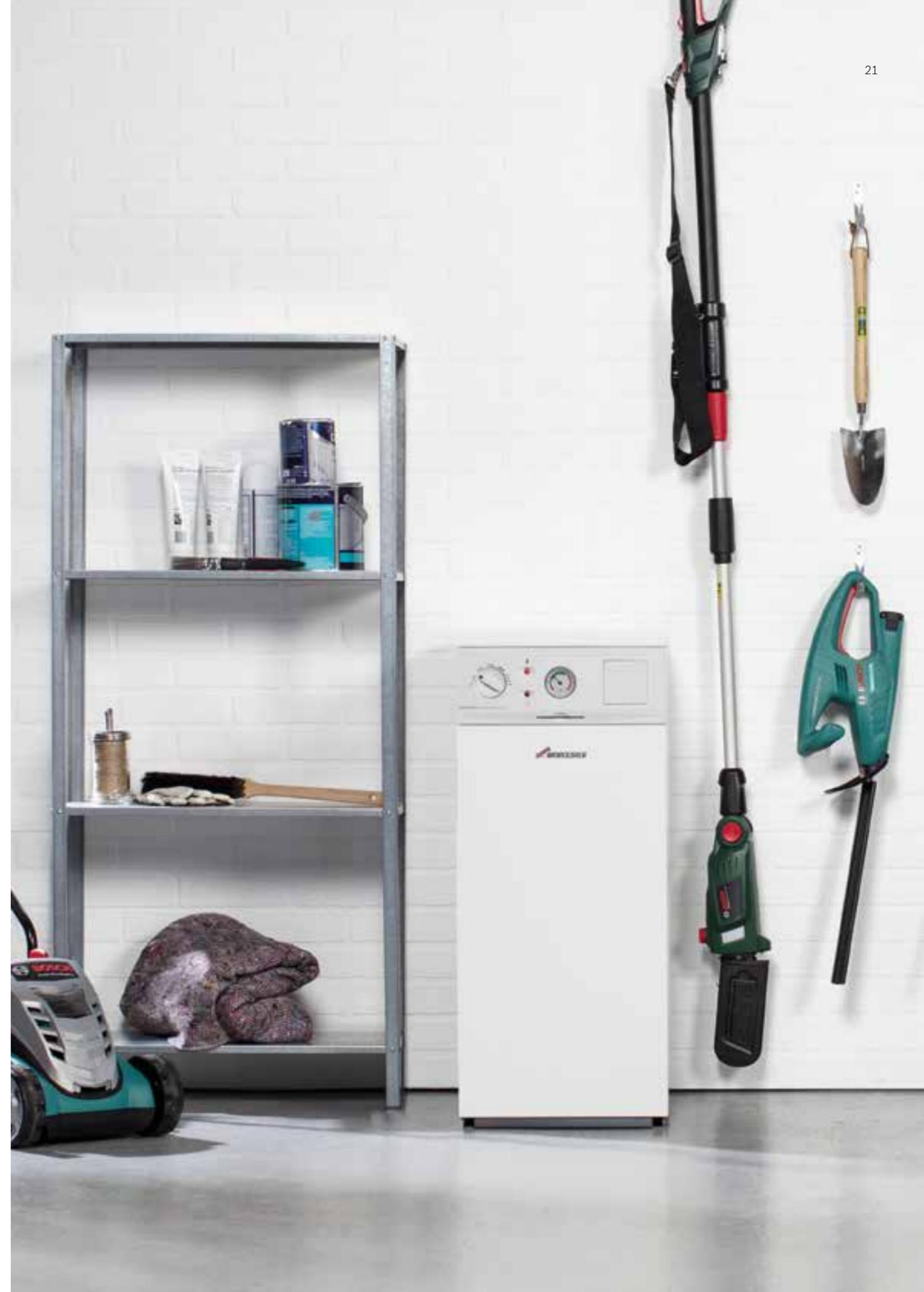
The market leading compact dimensions of Greenstar Danesmoor System boilers means that they can fit perfectly into many locations, with a choice of kitchen, utility and external models allowing your boiler to be installed in a location that suits your lifestyle and property.

Perfect partners

Greenstar Danesmoor System boilers can be used with an optional control to maximise comfort and energy savings, and are also perfectly matched to our comprehensive range of Greenstore hot water cylinders. Choosing a complete Worcester Bosch system will ensure you will have a highly efficient solution and the opportunity to get a comprehensive guarantee across your entire system*.

System boilers are also compatible with our Greenskies solar hot water systems, which can be installed at the same time as the boiler or easily retrofitted in the future to reduce your energy bills even further.

* Terms and conditions apply.





See page 52 for ERP information.

Greenstar Danesmoor System series

The compact and highly efficient Greenstar Danesmoor System series is ideal for small, medium and large sized homes with a heating system that includes stored hot water. With visible heating controls and system pressure gauge, and the option for a plug-in programmer it is ideal for installation in a busy part of the house such as a kitchen.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW

All figures are maximums

- ▶ Perfect for a kitchen or utility room
- ▶ Quiet in operation
- ▶ Optional 7-day twin channel digital programmer available for greater comfort and energy efficiency
- ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.

Greenstar Danesmoor System Utility series

As a utility option these Danesmoor boilers feature the same compact dimensions and highly efficient operation of the Greenstar Danesmoor System but the heating temperature control and system pressure gauge are positioned behind the front panel. Just like its counterpart, this boiler is suitable for small, medium and large homes.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW

All figures are maximums

- ▶ Perfect for a kitchen or utility room
- ▶ Concealed controls – ideal for families with young children
- ▶ Quiet in operation
- ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.

Greenstar Danesmoor System External series

The high efficiency Greenstar Danesmoor System External series is a perfect choice where space in your house is at a premium. The boiler is contained in a robust cabinet that protects the boiler in all weathers.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW

All figures are maximums

- All the same performance features as the Danesmoor System internal models plus:
- ▶ A robust external cabinet design ensures full weatherproofing
 - ▶ IP45 Ingress Protection ensures high performance even in harsh weather conditions
 - ▶ Added protection against freezing
 - ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.



Worcester Bosch system boilers and Greenstore unvented hot water cylinders offer the perfect combination for plentiful, efficient hot water.



We always recommend you consult a qualified OFTEC installer prior to choosing your boiler.

Find your local Worcester Accredited Installer at worcester-bosch.co.uk/FAI

Remote heating* control made **Easy!**

The EasyControl, the new smart connected heating thermostat from Bosch that makes everything easy and puts you in complete control.

Achieving the perfect heating environment has never been so easy – you can decide the times, temperatures and when installed with Smart Radiator Thermostats, which rooms you want to heat, all from your smart device, wherever you are. Or, let the EasyControl take over sensing your presence and anticipating your routines, saving energy when you're out and about while ensuring the house is warm when you return.



See page 34 for further information on the Bosch EasyControl.

*EasyControl Adapter required. The EasyControl only controls heating, a separate control will be required for hot water.

Regular boilers meet all the heating demands of every size of home and are an ideal energy-efficient replacement for an existing boiler.



Greenstar regular boilers

With quality and reliability at the heart of every Worcester Bosch regular boiler, they are robust enough to deliver efficient heating and hot water year after year.

Modern efficiencies and choice

With over 90% efficiency, Greenstar regular boilers will help reduce your energy bills and your carbon footprint. They can enhance heating and hot water performance in all sizes of homes, including those with two or more bathrooms, and where mains water pressure is low. For added choice Greenstar regular boilers come in a wide range of models. They are also designed to be installed in a range of indoor and outdoor locations and are suited to a variety of heating requirements.

Solar-compatible

All of our oil-fired regular boilers are compatible with our hot water Greenstore cylinders and our Greenskies solar water heating systems which can help to reduce your energy bills whilst also benefitting the environment.





See page 52 for ERP information.

Greenstar Danesmoor series

Designed to fit neatly between standard kitchen units, the Greenstar Danesmoor series is a highly efficient solution for any small, medium and large home which is not connected to a mains gas supply.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW

All figures are maximums

- ▶ Ideal for small to large size homes
- ▶ Highly efficient
- ▶ Quiet in operation
- ▶ Optional 7-day twin channel digital programmer available for greater comfort and energy efficiency
- ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.

Greenstar Danesmoor Utility series

Danesmoor Utility boilers feature the same compact dimensions of the Danesmoor regular, allowing it to fit neatly between standard kitchen units. However, the hot water temperature control and system pressure gauge are behind the front panel. Like its counterpart, these boilers are suitable for small, medium and large homes.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW

All figures are maximums

- ▶ Ideal for small to large size homes
- ▶ Highly efficient
- ▶ Quiet in operation
- ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.

Greenstar Utility (High Output) series

The Greenstar Utility series has been designed to provide a high output energy efficient solution for large homes and light commercial properties. They are intended for installation in a utility area or a dedicated plant room.

MODEL	32/50	50/70
Central heating output	50kW	70kW

All figures are maximums

- ▶ Ideal for homes with a high heating and hot water requirement
- ▶ Highly efficient
- ▶ Quiet in operation
- ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.

Greenstar Danesmoor External series

The Greenstar Danesmoor External series is an ideal choice for homes where indoor space is at a premium. Available in a wide range of central heating outputs, the boilers perfectly meet the needs of smaller, medium and larger properties.

MODEL	12/18	18/25	25/32
Central heating output	18kW	25kW	32kW

All figures are maximums

- All the same performance features as the Danesmoor internal models plus:
- ▶ A robust external cabinet design ensures full weatherproofing
 - ▶ IP45 Ingress Protection ensures high performance even in harsh weather conditions
 - ▶ Added protection against freezing
 - ▶ Compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.



We always recommend you consult a qualified OFTEC installer prior to choosing your boiler.

Find your local Worcester Accredited Installer at worcester-bosch.co.uk/FAI

Remote heating* control made **Easy!**

The EasyControl, the new smart connected heating thermostat from Bosch that makes everything easy and puts you in complete control.

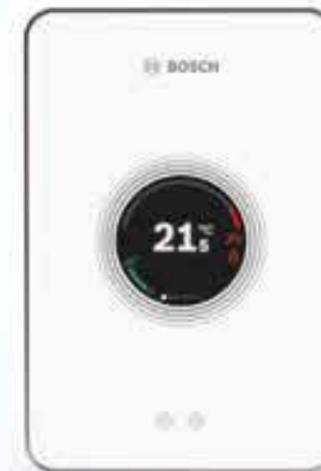
Achieving the perfect heating environment has never been so easy – you can decide the times, temperatures and when installed with Smart Radiator Thermostats, which rooms you want to heat, all from your smart device, wherever you are. Or, let the EasyControl take over sensing your presence and anticipating your routines, saving energy when you're out and about while ensuring the house is warm when you return.



See page 34 for further information on the Bosch EasyControl.

*EasyControl Adapter required. The EasyControl only controls heating, a separate control will be required for hot water.

Worcester Bosch keeps you in control





Boiler controls explained

Controls for a heating and hot water system typically include two main elements: a time clock or programmer and a room thermostat. Here we explain the different types that we offer and what they do. We also highlight what load and weather compensation mean – two key features of Worcester Bosch intelligent and smart controls.

Room thermostats

A room thermostat monitors the air temperature and enables you to set the level you find comfortable. If the room temperature drops below this level, the thermostat switches your boiler on and if it gets too hot in the room, it turns your boiler off.



Timers and programmers

A boiler timer is a basic device that allows you to set specific times for your central heating system to come on and turn off, with the same times typically repeated every day. A boiler programmer allows you to set your heating (and sometimes hot water) to switch on and off at different times, but it allows you to do it on different days, so your boiler best suits your lifestyle.



Programmable room thermostats

A programmable room thermostat is both a boiler programmer and a room thermostat; it allows you to set different room temperatures for different times of the day and night.



Load compensation

The load compensation feature adjusts the temperature of the heat going to your radiators. When a room is cold the temperature will be high, but as the room warms up and less heat is needed, it lowers the temperature so that comfort is maintained but energy use is reduced.



Weather compensation

The weather compensation feature also adjusts the temperature of the heat going to your radiators. However, it does so in keeping with the outside temperature. An outdoor sensor or an internet location post code search (Bosch Easy only) allows the control to monitor the weather, with the radiators running hotter if temperatures outside drop, ensuring a comfortable home.



For more information visit youtube.com/WorcesterBoschGroup



1



2



3



4



5



6



7

Combi boiler controls

Smart control

1 Bosch EasyControl

- ▶ Choose separate times and temperature from anywhere with your smart device
- ▶ With the EasyControl and Smart Thermostatic Radiator Valves (TRVs) you can easily control the heating in each individual room to give maximum comfort when and where you want it. For optimum comfort, we recommend that Smart Radiator Thermostats are installed on all radiators in the home
- ▶ Uses the latest technology to automatically turn the heating down when you're not in the house, while turning the heating up ready for when you return
- ▶ Boosts the system's ErP rating by up to 1%, saving you money
- ▶ Connect to the boiler via the EasyControl Adapter. A plug-in programmer will also be required for hot water control.

Digital programmer

2 Greenstar Comfort plug-in programmer

- ▶ Simple menu navigation
- ▶ Heating programme visualisation bar
- ▶ Control heating and hot water 7 days a week.

Intelligent digital programmers and thermostats

3 Greenstar Comfort I RF wireless room thermostat and plug-in programmer

All the features of the Comfort plus...

- ▶ Wireless – no wiring required
- ▶ Extremely reliable Radio Frequency (RF) signal.

4 Greenstar Comfort II RF wireless programmable room thermostat

All the features of the **Comfort** and **Comfort I** plus...

- ▶ 6 adjustable heating temperatures per day
- ▶ Programmers can be set at the room thermostat rather than on the boiler
- ▶ Back lit display.

5 Greenstar Sense I wired room thermostat

- ▶ Perfect replacement for less energy efficient wired room thermostats
- ▶ Simple to use
- ▶ Load compensation enables 3% system efficiency improvement.
- ▶ Must be used with a proprietary 230V timer.

Weather sensor

6 Worcester Bosch outdoor weather sensor

- ▶ Weather compensation feature for greater energy efficiency.

System and regular boiler controls

Smart control

1 Bosch EasyControl

- ▶ Choose separate times and temperature from anywhere with your smart device
- ▶ With the EasyControl and Smart Thermostatic Radiator Valves (TRVs) you can easily control the heating in each individual room to give maximum comfort when and where you want it
- ▶ Uses the latest technology to automatically turn the heating down when you're not in the house, while turning the heating up ready for when you return
- ▶ Boosts the system's ErP rating by up to 1%, saving you money
- ▶ Connect to the boiler via the EasyControl Adapter and an external wiring centre.

Digital programmer

7 Digital plug-in 7-day twin channel programmer

- ▶ A simple-to-use Worcester Bosch control device
- ▶ Plugs into the boiler fascia panel
- ▶ Offers 3 separate time periods for both heating and hot water
- ▶ Holiday mode – heating and hot water settings on hold whilst you are away then resume normally.

To see which control is compatible with your preferred boiler, please see page 53.



See – youtube.com/WorcesterBoschGroup – for more information

Bosch EasyControl

The new smart-internet connected heating thermostat from Bosch gives you complete control via your smart phone.

Zonal control

With the EasyControl and Smart TRVs you can easily control the heating in each individual room to give maximum comfort when and where you want it.

So, if you prefer sleeping at 17.5°C, but would like to step into a warm bathroom at 7am, simply set your desired temperature via the EasyControl app. An integrated sensor will continuously monitor the room temperature to keep it at your desired level. Several time-controlled settings are possible per day, and you can also set different times for every day of the week. After all, even early-risers stay in bed longer on Sundays!

For the optimum comfort we recommend that Smart Radiator Thermostats are installed on all radiators in the home.

Home presence detection

You'll never need to worry about turning the heating down again when you leave home as the EasyControl can do it for you.

Using the latest technology, the thermostat automatically turns the heating down when you're not in the house, while turning the heating up to your desired temperature when you're returning home.

Superior energy rating

The EasyControl, when installed with an EasyControl Adapter, boosts the heating system's ErP rating by 1%, saving you money.



Bosch EasyControl with 3 x eTRVs and EasyControl Adapter



For more information, please visit worcester-bosch.com/easy



Greenstar external oil boilers – the space saving option

If the floor space in your home is limited or if you prefer to have a boiler that is sited outside, the Greenstar external boiler range is a perfect choice. As highly efficient as indoor models and with a robust, fully insulated cabinet they provide optimum performance even in extreme weather conditions.

The boilers are designed to prevent water, dust and other external elements getting inside, whilst a built-in frost thermostat provides an additional safeguard for all the internal components.

Finished in a green colour, the boilers blend in with your garden or outdoor space. A durable anti-corrosion coating makes sure that they keep their pristine looks and their quiet operation means that they won't intrude when you are outside.

For your peace of mind, the boilers and their controls are accessed using a special tool ensuring that the cabinets are tamper-resistant and childproof.

Combi, system or regular boiler choices

Whether you want a combi, system or regular external boiler, there's a Greenstar model to suit your preferences and lifestyle.

The Greenstar Heatslave II External combi boilers come in a choice of three central heating outputs and offer hot water flow rates of up to 22 litres per minute depending on the model. For added flexibility Greenstar Heatslave II External boilers can be used with the Greenstar Comfort controls range, which can be mounted inside your property for complete ease of adjustment.

Greenstar Danesmoor system and regular external boilers are also available in three different central heating output options and are compatible with Worcester Bosch Greenskies solar and Worcester Bosch Greensource air to water heat pumps for greener, lower cost hot water and heating.

Robust, fully insulated cabinets provide complete protection for the boilers and ensure optimum performance even in extreme weather conditions.

* Terms and conditions apply.





Transforming hot water storage

When a system or regular boiler is installed, there will always be a requirement for a hot water cylinder. Hot water is provided by taking heat from the boiler and pumping it through the central heating system to the cylinder where the heat is transferred via the cylinder's heat exchange coils. This water is then stored ready to be passed through taps and showers when required.

Older, non-insulated cylinders tend to lose a considerable amount of heat and are likely to have a build-up of limescale, which reduces efficiency and makes water heat-up times longer. Even insulated cylinders over 10 years old lose more heat than modern ones.

Greenstore unvented cylinders have been designed to offer significant performance improvements over traditional cylinders. They combine rapid re-heat times with high heat retention and are guaranteed for 25 years*. They also come in a wide range of capacities, from 90 to 300 litres, so you can be sure of a size that's exactly right for your home and lifestyle.

Greenstore unvented cylinders: made for modern living

The Greenstore unvented cylinder range is a perfect complement for Greenstar regular or system boilers. Hot water is supplied at mains pressure for powerful showers and fast bath filling, and multiple taps can be used at the same time without the hot water running out. If your mains water pressure is low, you can still benefit from the high performance, fast re-heat times and energy savings of Greenstore cylinders. A trained Worcester Bosch installer will be able to provide solutions to increase your water performance if needed.

Super efficient cylinders can help lower your energy bills and carbon emissions. They are highly insulated to reduce heat loss and energy wastage.

Greenstore unvented solar cylinders: the future-proof choice

Greenstore solar-compatible unvented cylinders are specifically designed to work with our Greenskies solar water heating systems. With all the same benefits as our standard unvented range, they enable you to add solar water heating to your system at a later date with no need to replace the cylinder. Available in five capacities, from 150 to 300 litres, they provide highly efficient storage for both boiler and solar-heated hot water.



Protecting your investment

Good water quality

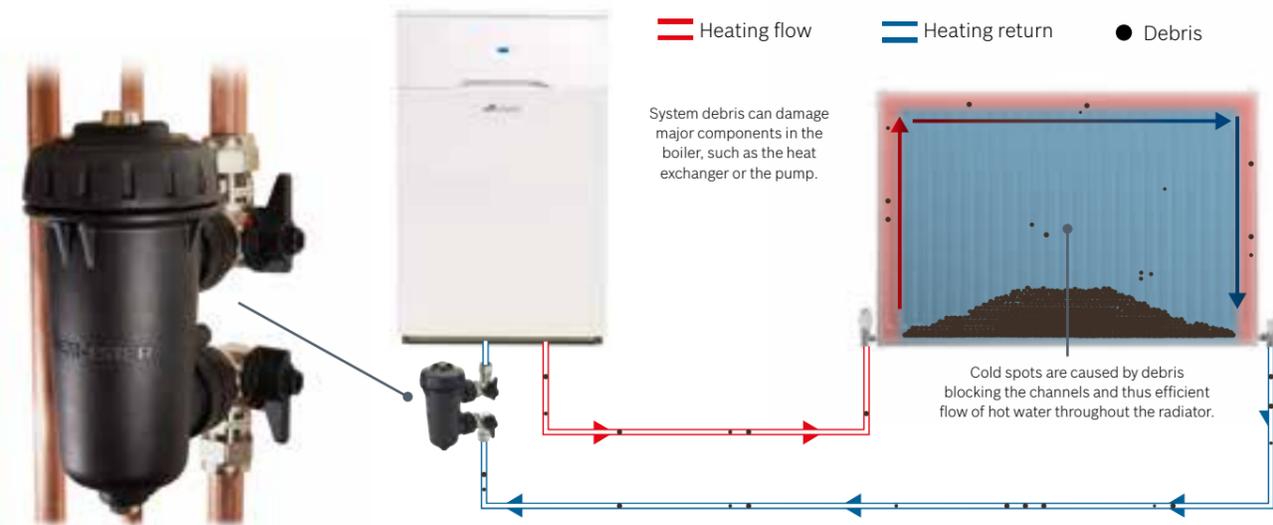
Over time, central heating system water accumulates harmful dirt and debris, such as rust and solder fragments shed by older radiators and boilers, as well as limescale deposits from mains water, all of which can cause considerable problems.

Reduced efficiency

Condensing boilers are precision-engineered and designed to run with clean water in the system. When system water becomes contaminated it can quickly cause radiator blockages as well as damage to key components in the boiler and heating system. This leads to a loss of radiator heat, increased system noise and potentially failures. It also means a shorter life for the overall system and a dramatic reduction in the boiler's efficiency, which affects comfort and adds to your energy bills.

A perfect safeguard

The Worcester Bosch Greenstar System Filter has been specifically designed to combat the damaging effects of system debris and pollutants by capturing contaminants before they reach your boiler. Using powerful and innovative magnet-based technology, it is instantly effective at protecting the performance of your heating and hot water system, ensuring a warm and quieter, blockage free system.



This image illustrates how debris in a system can build up in the bottom of radiators and block the efficient flow of water around the system, eventually affecting the radiator's heat distribution and your comfort.



See – youtube.com/WorcesterBoschGroup – for more information



Expert advice and installation



How can I get a Worcester Bosch boiler?

Modern heating systems can be complex and sophisticated, and because every home is slightly different we always recommend speaking to a qualified heating installer.

There are three straightforward ways to find local professional installers...



The internet

You can do a general search for local OFTEC registered installers on the internet. Some might have a showroom, giving you the opportunity to meet them first before you make a home visit appointment.

For your peace of mind, all OFTEC registered installers carry an ID card, which you should ask to see when they arrive.



OFTEC registered installers

You can search for OFTEC registered installers on the OFTEC website at oftec.co.uk. You can find local professionals by entering your postcode.

This will allow you to check individuals and companies to see if they are registered and includes information on what OFTEC registered engineers are and why it's important to use them.



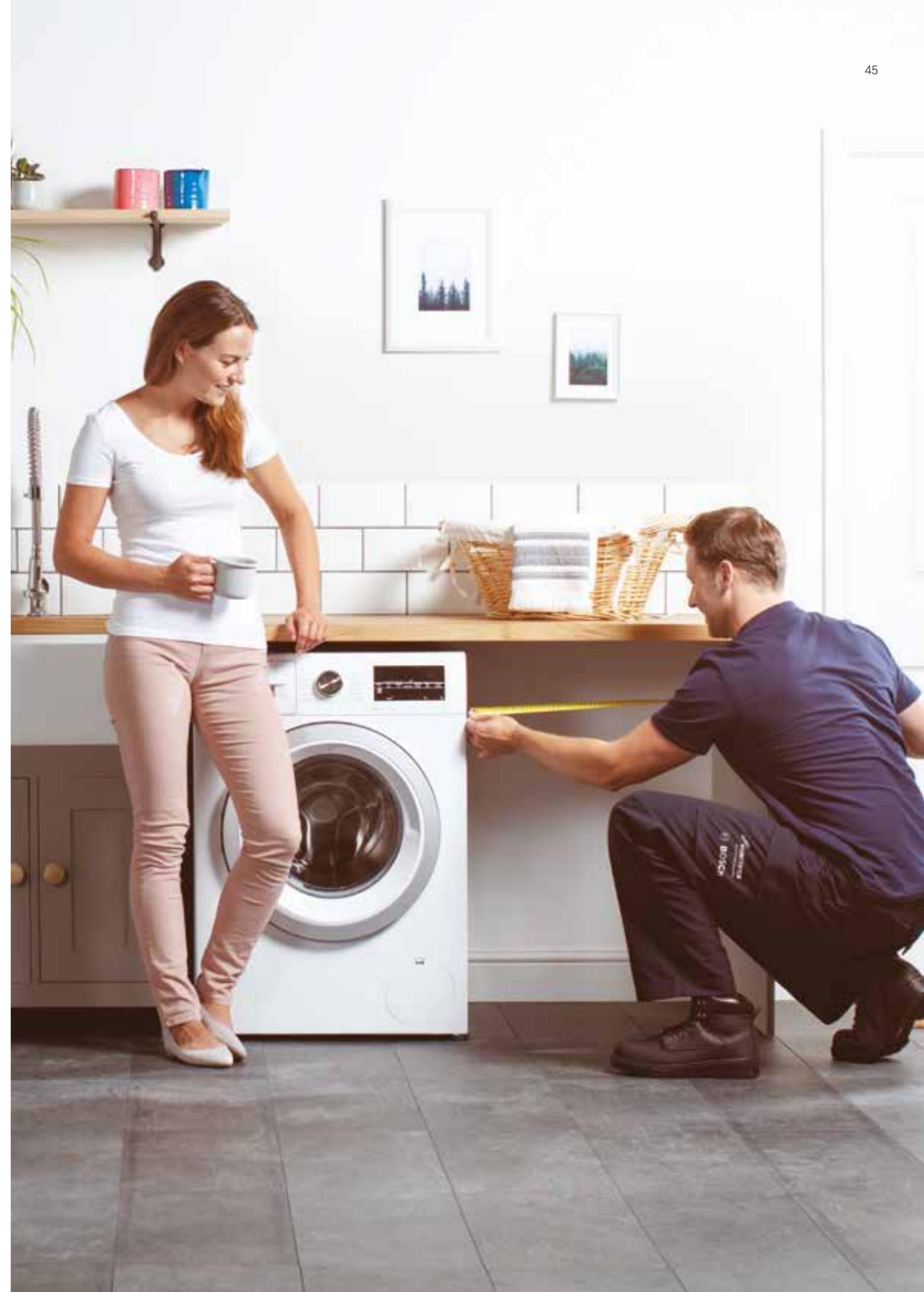
Worcester Accredited Installers

Worcester Accredited Installers are installation companies that we consider to be reputable, quality-conscious and provide value for money. They must have attended our training courses and hold all the required approvals for carrying out work at your home, such as Gas Safe or OFTEC accreditation, before we list them.

As well as advising, installing and providing servicing and maintenance, some also offer extended guarantees on our products.



To find a local Worcester Accredited Installer simply go to the 'Find an Installer' page at worcester-bosch.co.uk and enter your postcode.



For more information on how to find the boiler best for you visit worcester-bosch.co.uk/FindANewBoiler



Selecting your boiler

To help you choose the best boiler for your property and lifestyle we have developed two simple online tools that can be accessed at worcester-bosch.co.uk.

Find a new boiler

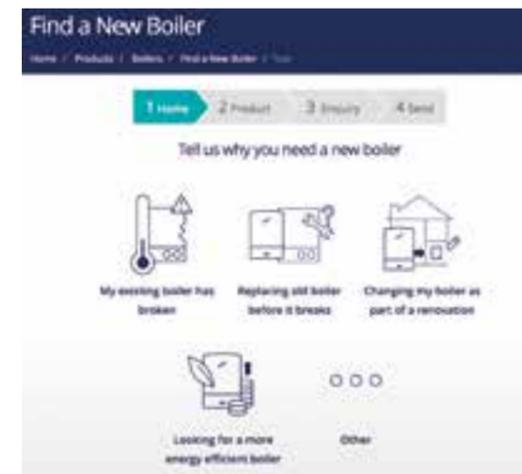
If you know the make and model of your current boiler you can use our online boiler replacement tool to find the latest Worcester Bosch equivalent boiler.

You can then use our "Find an Installer" tool to send an enquiry to up to 5 Worcester Bosch Accredited Installers in your area who will provide you with a free quotation to replace your boiler. They will also check that the boiler you have selected is the correct one for your property and lifestyle, as your heating needs can change over time, such as if you have had an extension.

Boiler replacement tool

This tool will ask you to answer a few questions including your type of property, the number of bathrooms as well as bedrooms and the proposed location of the boiler.

At the end you will be shown a selection of recommended boilers and compatible control and accessories can be selected. Then you are ready to go ahead and get a free installation quotation. Just type in your postcode to show all the Worcester Bosch Accredited Installers in your area including which of them offer finance. You can then select up to 5 installers to send your enquiry to.





Supporting you from the start

When you choose Worcester Bosch, you'll be in the company of millions of people across the UK who value the quality, reliability and comfort of our boilers.



Our guarantee

Every one of our products is manufactured to the highest quality standards and undergoes stringent and continuous testing.

We want you to have the same confidence in our boilers as we do, which is why they come with a full parts and labour guarantee for up to 7 years*.

The important task of registering your new Greenstar boiler will typically be carried out by your installer. If you have a query please call 0330 123 2552.

Please note your guarantee length can vary between installers and the accessories your installer has fitted.

Greenstar oil-fired boilers come with a 10 year guarantee* on the secondary heat exchanger as standard.



Service and support

Whether you are thinking about buying a Greenstar boiler or you've owned one for a long time, we are always here to help.

Our award-winning support team can advise you on any aspect of your boiler. Friendly and knowledgeable, they'll give you all the help you need, from choosing the right controls to technical queries, such as combining your boiler with renewable systems like solar water heating. We also have over 300 service engineers working across the country to ensure that our products always deliver high performance year after year.



For help and advice on any of your Worcester Bosch products simply visit worcester-bosch.co.uk/product-support

Other products from Bosch

Greenstar gas-fired boilers

In addition to oil-fired boilers, we also manufacture a range of award winning, high-efficiency gas-fired Greenstar boilers which are also available as LPG models.

All Greenstar gas-fired system and regular boilers are compatible with our Greenstore unvented cylinders, and are compatible for use with Greenskies solar water heating systems.

See more at worcester-bosch.co.uk



White goods

Bosch appliances are built with precision German engineering to deliver quality and efficient performance. From large home appliances such as washing machines and ovens to small appliances from kettles to vacuum cleaners, Bosch has consistently been recognised for the highest levels of quality and reliability.

This year and for the 4th year running Bosch has received the prestigious award of Which? Best Home Appliance Brand.

See more at bosch-home.co.uk



Lawn and garden

Bosch is market leader within the garden power sector bringing new products to ensure gardening is made easier and more efficient. Most well-known for the reliable Rotak lawnmowers in both the corded and cordless segment, but with a huge product portfolio spanning tree care, plant care and grass care, we have the product you need for a fantastic garden. The RHS voted the **EasyPrune** Power-assisted Secateurs a finalist for the awards in 2018 due to the high level of innovation and ease of use.

See more at bosch-garden.com



Power tools

Bosch is market leader within the DIY power tools sector bringing constant innovation and new ergonomic designs to our product portfolio.

From the best-selling power tool in Europe in the IXO, to the 18V interchangeable battery range, making DIY easier is at the core of everything we do. The 'DIY Week' awards voted the **EasyCut 12 NanoBlade Saw**, Winner for the 'Power Tool of the Year' category, showing yet again why Bosch is the brand of choice.

See more at bosch-do-it.com



These handy comparison tables list some key technical information about our products

	FLOOR STANDING	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	ERP - SEASONAL SPACE HEATING ENERGY EFFICIENCY CLASS	ERP - WATER HEATING ENERGY EFFICIENCY CLASS	DOMESTIC HOT WATER FLOW RATE (LITRES PER MIN)*	MAXIMUM CENTRAL HEATING OUTPUT (KW)
COMBI BOILERS								
HEATSLAVE II 12/18	✓	855	520	600	A	B	15	18
HEATSLAVE II 18/25	✓	855	520	600	A	B	18	25
HEATSLAVE II 25/32	✓	855	520	600	A	B	22	32
HEATSLAVE II EXTERNAL 12/18	✓	950	640	770	A	B	15	18
HEATSLAVE II EXTERNAL 18/25	✓	950	640	770	A	B	18	25
HEATSLAVE II EXTERNAL 25/32	✓	950	640	770	A	B	22	32
SYSTEM BOILERS								
DANESMOOR SYSTEM 12/18	✓	855	370	600	A	N/A	N/A	18
DANESMOOR SYSTEM 18/25	✓	855	370	600	A	N/A	N/A	25
DANESMOOR SYSTEM 25/32	✓	855	370	600	A	N/A	N/A	32
DANESMOOR SYSTEM UTILITY 12/18	✓	855	370	600	A	N/A	N/A	18
DANESMOOR SYSTEM UTILITY 18/25	✓	855	370	600	A	N/A	N/A	25
DANESMOOR SYSTEM UTILITY 25/32	✓	855	370	600	A	N/A	N/A	32
DANESMOOR SYSTEM EXTERNAL 12/18	✓	950	565	780	A	N/A	N/A	18
DANESMOOR SYSTEM EXTERNAL 18/25	✓	950	565	780	A	N/A	N/A	25
DANESMOOR SYSTEM EXTERNAL 25/32	✓	950	565	780	A	N/A	N/A	32
REGULAR BOILERS								
DANESMOOR 12/18	✓	855	370	600	A	N/A	N/A	18
DANESMOOR 18/25	✓	855	370	600	A	N/A	N/A	25
DANESMOOR 25/32	✓	855	370	600	A	N/A	N/A	32
DANESMOOR UTILITY 12/18	✓	855	370	600	A	N/A	N/A	18
DANESMOOR UTILITY 18/25	✓	855	370	600	A	N/A	N/A	25
DANESMOOR UTILITY 25/32	✓	855	370	600	A	N/A	N/A	32
UTILITY 32/50	✓	1,098	598	795	A	N/A	N/A	50
UTILITY 50/70	✓	1,098	598	795	A	N/A	N/A	70
DANESMOOR EXTERNAL 12/18	✓	950	565	780	A	N/A	N/A	18
DANESMOOR EXTERNAL 18/25	✓	950	565	780	A	N/A	N/A	25
DANESMOOR EXTERNAL 25/32	✓	950	565	780	A	N/A	N/A	32

* Maximum hot water to provide an average 40°C temperature rise on a 90 litre draw off.

ⓘ Worcester Bosch Greenstar oil-fired appliances are designed for use with 28 sec kerosene only.



We always recommend you consult a qualified OFTEC installer prior to choosing your boiler.

Greenstar boiler controls compatibility^

	COMBINATION		SYSTEM*	REGULAR
	HEATSLAVE II	HEATSLAVE II EXTERNAL	DANESMOOR SYSTEM	DANESMOOR
DIGITAL 7-DAY TWIN CHANNEL PROGRAMMER			✓	✓
EASYCONTROL	✓**	✓**	✓#	✓#
COMFORT	✓	✓*		
COMFORT I	✓	✓*		
COMFORT II	✓	✓*		
SENSE I	✓	✓†		
WEATHER SENSOR	✓	✓		

* All compatible controls should be used with Comfort wall plate kit.

** Connect to the boiler via the EasyControl Adapter. A plug-in programmer will also be required for hot water control.

Connect to the boiler via the EasyControl Adapter and an external wiring centre.

† Must be used with a proprietary 230V timer.

^ Please note this table does not apply when retrofitting a control. Please speak to your installer.

Greenstore cylinder technical information

	GREENSTORE UNVENTED CYLINDERS						
	GREENSTORE SC-90	GREENSTORE SC-120	GREENSTORE SC-150	GREENSTORE SC-180	GREENSTORE SC-210	GREENSTORE SC-250	GREENSTORE SC-300
HEIGHT	835mm	1,024mm	1,275mm	1,479mm	1,654mm	1,849mm	2,144mm
DIAMETER	570mm	570mm	570mm	570mm	570mm	570mm	570mm
WEIGHT - DRY	26kg	34kg	39kg	44kg	48kg	52kg	59kg
VOLUME DOMESTIC HOT WATER	93 litres	123 litres	161 litres	191 litres	216 litres	246 litres	292 litres
STANDING HEAT LOSS - 24HR	1.008kWh/24hrs	0.968kWh/24hrs	1.200kWh/24hrs	1.368kWh/24hrs	1.496kWh/24hrs	1.637kWh/24hrs	1.824kWh/24hrs
ERP ENERGY EFFICIENCY CLASS/STANDING HEAT LOSS	B / 42W	B / 40W	B / 50W	B / 57W	B / 62W	C / 68W	C / 76W

	GREENSTORE SOLAR COMPATIBLE UNVENTED CYLINDERS				
	GREENSTORE TC-150	GREENSTORE TC-180	GREENSTORE TC-210	GREENSTORE TC-250	GREENSTORE TC-300
HEIGHT	1,285mm	1,479mm	1,654mm	1,849mm	2,144mm
DIAMETER	570mm	570mm	570mm	570mm	570mm
WEIGHT - DRY	41kg	49kg	53kg	57kg	64kg
VOLUME DOMESTIC HOT WATER	157 litres	187 litres	211 litres	241 litres	287 litres
DEDICATED SOLAR VOLUME	65 litres	65 litres	105 litres	115 litres	115 litres
STANDING HEAT LOSS - 24HR	1.632kWh/24hrs	1.368kWh/24hrs	1.496kWh/24hrs	1.637kWh/24hrs	1.824kWh/24hrs
ERP ENERGY EFFICIENCY CLASS/STANDING HEAT LOSS	C / 68W	B / 57W	B / 62W	C / 68W	C / 76W



We always recommend you consult a qualified OFTEC installer prior to choosing your boiler.

Notes

Notes

Useful numbers

Consumer Technical Helpline (Pre & Post Sales)

Tel: 0330 123 3366

Email: technical-advice@uk.bosch.com

Customer Service

Service Enquiries

Email: service-enquiries@uk.bosch.com
or telephone 0330 123 9559

Guarantee Registration

Your installer should always undertake the registration of your boiler on your behalf.
If you have a query please call 0330 123 2552

Share

We would love to see your new boiler and heating system.

 @HeatingYourHome

 Worcester Bosch UK

 @WorcesterBosch

 Worcester Bosch Group

Worcester Bosch

Cotswold Way
Warndon
Worcester
WR4 9SW

worcester-bosch.co.uk

Calls to and from Bosch Thermotechnology Ltd may be recorded for training and quality assurance purposes. Worcester Bosch is a brand name of Bosch Thermotechnology Ltd. This brochure is accurate at the date of printing, but may be superseded and should be disregarded if specification and/or appearances are changed in the interest of continued improvement. The statutory rights of the consumer are not affected.



8 716 110 393 Q 09/18



By Appointment to
Her Majesty The Queen
Boiler Manufacturer
Worcester, Bosch Group
T/A Bosch Thermotechnology Ltd.
Worcester