



# Compress 5800i Installer guide

The future of home heating has arrived



# PUMP IT UP

Welcome to the future of heat pump technology.

A world of modern design, greener heating and easy installation. A world where home heating looks, sounds, fits, and performs better than ever before.

Designed for UK homes, the brand new 5800i AW range is designed for new build and renovation projects alike – making it easier than ever to bring responsible heating solutions to your customers.

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Optional indoor wall hung unit

# Quieter, smaller, easier.

## Our easier on the eye outdoor unit



A brand new heat pump for a brand new age, the 5800i AW outdoor unit brings a more sustainable future to home heating. With space-saving features, a compact footprint, modern design, and easy installation all built in – it's a compact heat pump with a big impact.

It makes your life easier through its monobloc design, so you can access the control box, condenser, and evaporator easily – and carry out your installations quickly.

Your customers can relax too, knowing the 5800i AW is Quiet Mark certified and barely makes as much noise as their kitchen refrigerator.

Add to this a low global warming potential and the 5800i AW outdoor unit is definitely something to get pumped about.

### Key features:

#### Ultra quiet

With integrated diffuser and Quiet Mark certified

#### Compact

Stunning modern design and simple to install

#### High performance

Flow temperatures up to 75°C for wider range of UK homes & SCOP up to 4.65

#### Greener

R290 refrigerant has a low global warming potential score of only 3

#### Flexible

Perfect for renovation projects and new build, with a range of compatible indoor units

#### Design

All the style and maximum reliability you've come to expect from Bosch.



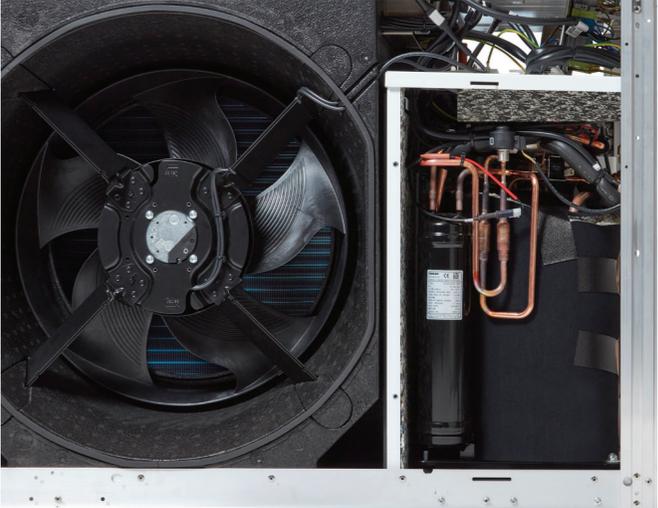
\*For full terms and conditions please visit [worcester-bosch.co.uk/heat-pump-tc](http://worcester-bosch.co.uk/heat-pump-tc)

# 5800i AW outdoor unit

## Features



**Easy to fit**  
 F-Gas-free fitting, with rear facing connectors and monobloc design meaning easier and much quicker installation.



**Flexible siting**  
 Choose the best place for the unit, with flexible installation options and compatibility with most homes and heating systems, no matter the age.



**Easy to access**  
 Just remove a few screws to get to the control box and main components.



**High performance refrigerant**  
 R290 refrigerant delivering high performance and a future-proof choice with a global warming potential of only 3.



**Our quietest outdoor unit ever**  
 With a built-in sound diffuser and insulated fan, the volume of this outdoor unit is almost unnoticeable. Producing just 41.5dB(A), somewhere between birdsong and the quiet hum of a refrigerator, your customer and their neighbours won't even know there's a heat pump hard at work. And with the sleek new design, it will compliment its surroundings too.

# Quicker, easier, connected.

## All-in-one pre-plumb cylinder

The all-new 5800i AW pre-plumb cylinder is a complete 'plug and play' indoor solution, built with simple installation and your busy schedule in mind.

With technology and ease-of-use at its core, the cylinder control unit comes with Connect-Key K30 connectivity as standard – meaning easy setup and use with the Bosch HomeCom Easy app.

Designed and built in the UK, specifically with UK homes in mind, this cylinder can handle a wide range of domestic hot water volumes in any home – new or old, and is available in a slimline variant for air cupboard installation.

### Key features:

#### Easy install

Faster installation with integrated micro-buffer, diverter valves, pumps and back-up heater

#### Compact

Space-saving, easy installations in UK homes

#### Flexible

Full range of cylinder volumes for flexibility with renovations or new builds

#### Connected

Remote monitoring and access with Connect-Key K30 and Bosch HomeCom Easy app

#### UK-made

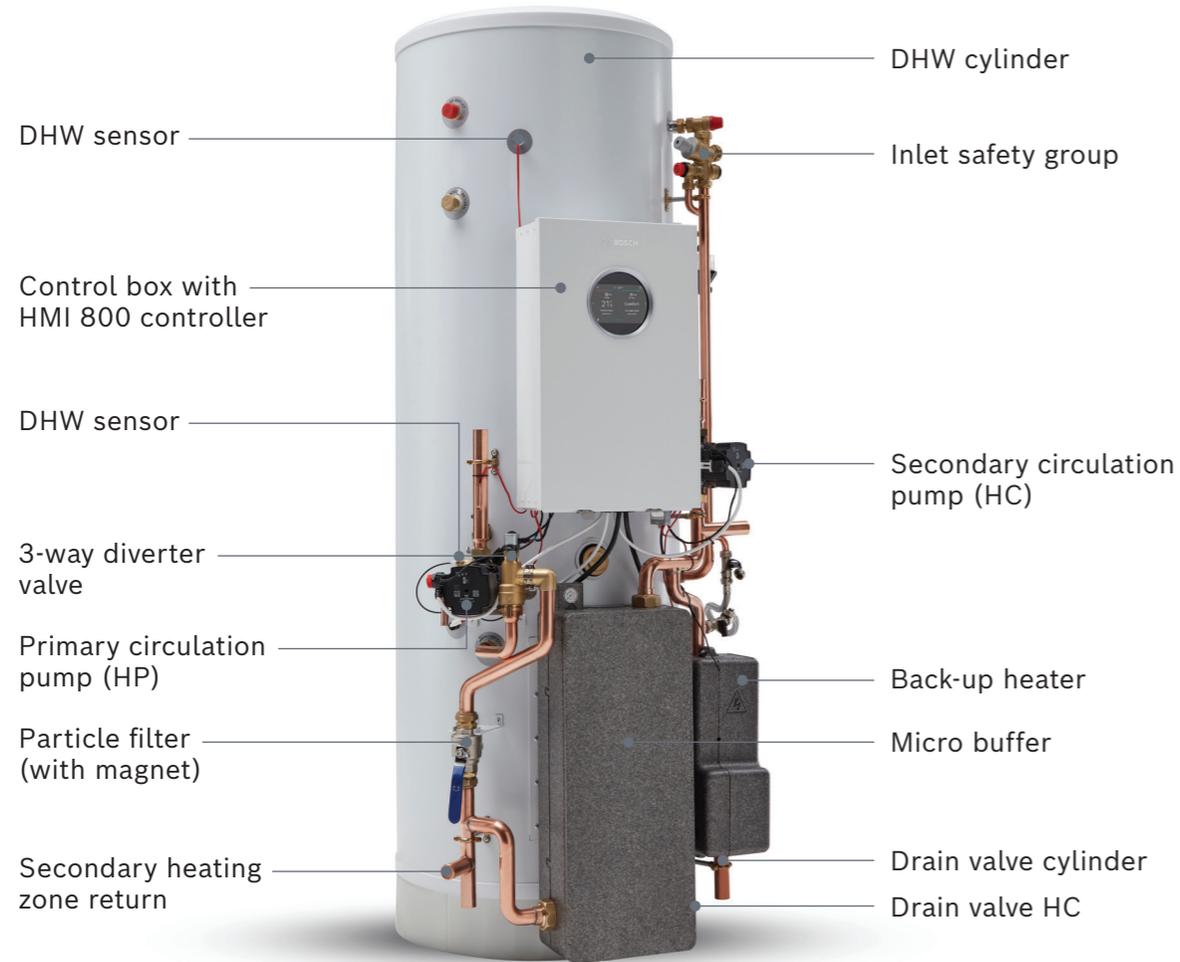
Designed and manufactured in the UK, for the UK.



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# 5800i AW pre-plumb cylinder

## Features



### Easy installation

This 'plug and play' indoor solution is designed with installers in mind, to make installations quicker.

**Install faster** with integrated micro-buffer, diverter valve, pumps, and back-up heater.

**Install anywhere** with kit designed to suit new-build and renovation project installations.

**Install easier** with pre-fitted and accessible components.

**Install smaller** with all components connected to the cylinder for one compact installation.

### Back-up heater

The 5800i AW pre-plumb cylinder comes with a built-in 3kW electric heater, giving customers a fail-safe backup when the weather is at its coldest.

### Flexible hot water solutions

Fit out homes of any size or shape, with a range of cylinders available:

- 150L slimline\*
- 180L slimline
- 180L standard\*
- 210L standard
- 250L standard
- 300L standard\*

\* Available 2024

### Connectivity

Give your customers complete control wherever they are, by plugging in the Connect-Key K30 included with the 5800i AW.

By downloading the Bosch HomeCom Easy app, customers can control their heating directly from their smartphone – and request Worcester Bosch to remotely monitor, diagnose, and offer support with error code issues.



# Connected, compact, flexible.

## Our stylish wall hung unit



The all new 5800i AW wall hung unit brings simplicity and technology perfectly together, providing an alternative solution to the pre-plumbed cylinder.

Incorporating Bosch modern design alongside accessibility – with easy access, installation, and integration with existing home-heating systems – this one has the beauty and the brains.

And, with Connect-Key K30 connectivity built-in, the wall hung 5800i AW links seamlessly with the Bosch HomeCom Easy app for easy control and to request remote monitoring.

### Key features:

#### Easy access

Engineer-focused design, allows immediate access to the control box

#### Flexible design

Ability to use third-party cylinders and components

#### Interactive

Built-in colour intuitive touchscreen for easy use

#### Connected

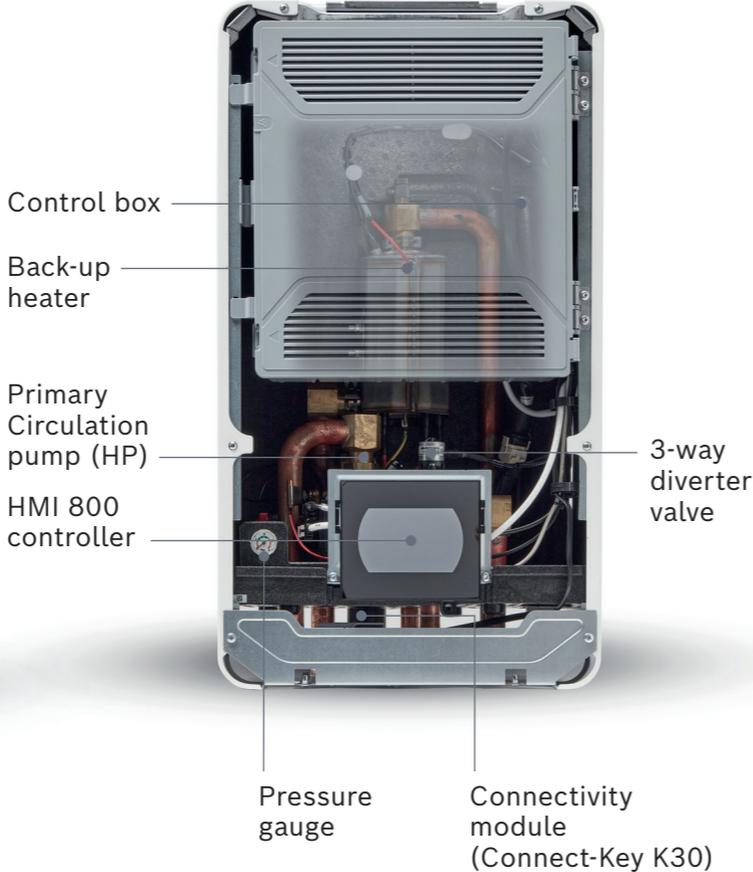
Remote monitoring and access with Connect-Key K30 and Bosch HomeCom Easy app.



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# 5800i AW wall hung unit

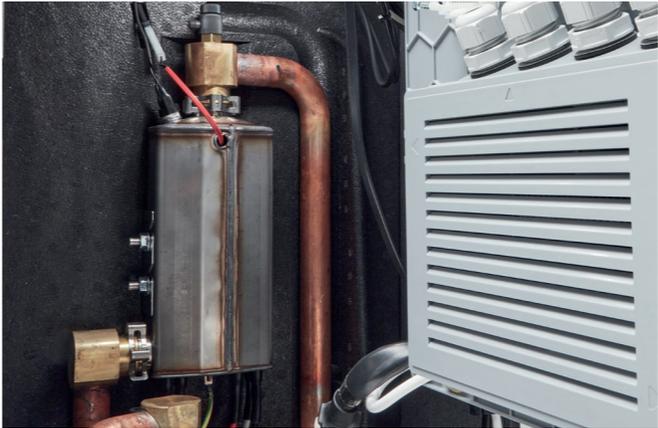
## Features



### Modern design

Designed and engineered to be stylish and reliable – wherever it's installed. Give greener heating pride of place, even in the most modern customer homes.

The 5800i AW also comes with a built-in colour intuitive touchscreen, for easy configuration inside the home.



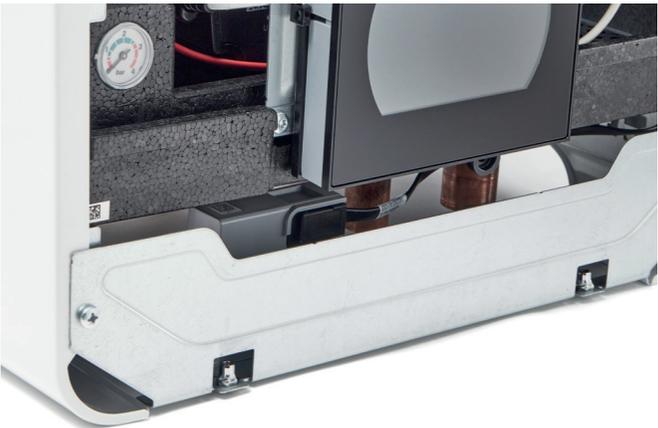
### Back-up heater

The 5800i AW wall hung unit comes with a built-in 3kW electric heater, which provides a fail-safe back-up when the weather is at its coldest.



### Connectivity

Give your customers complete control wherever they are, by plugging in the Connect-Key K30 included in this unit. Download the Bosch HomCom Easy app to control their heating directly and request Worcester Bosch to remotely monitor, diagnose and offer support with error code issues.



### Easy to access

For servicing and installation, it's just a removal of screws to get to the control box and the other main components.

# Connected and in control

## Intelligent controls range



### Control from anywhere with Connect-Key K30

Included as standard, simply slot in the key, download the HomeCom Easy app and connect to the wifi.

By registering and consenting to monitoring, Worcester Bosch can remotely diagnose issues and better support you and your customer during any servicing or repairs.

Put the power in the hands of your customer and make your life a little easier for installation and servicing, with the Connect-Key K30.

By plugging it into the pre-plumb cylinder or wall hung unit as part of your set-up process, give peace of mind to your customers through remote monitoring and an easier maintenance schedule for you.

### Optional accessories



#### CR20RF

Wireless room thermostat, which works alongside the Connect-Key K30 plugged into the 5800i AW pre-plumb cylinder or wall hung unit:

- ▶ Flexible installation with wall-mount or tabletop stand
- ▶ Wireless and battery-powered thermostat
- ▶ Easily operated via the LCD display with 5 touch buttons, or with the Bosch HomeCom Easy app
- ▶ Humidity sensor.



#### RT800

Wired room thermostat, for the easiest and most immediate heating control at home:

- ▶ Direct control, no wifi required
- ▶ High quality 2.4" colour display with 7 touch buttons
- ▶ Access system information at the touch of a button, or with the Bosch HomeCom Easy app
- ▶ Humidity sensor.

# 5800i AW training

## Are you ready for the responsible heating revolution?

Wherever you are in your low carbon heating journey, from starting out to adding to your heat pump expertise we can support you with these solutions.

### Start your MCS journey with Worcester Bosch

Becoming MCS certified is a mark of your excellence as an installer.

We're here to support you with our range of MCS courses including::

- ▶ Water regulations certification (WRAS) course
- ▶ Level 3 Award Low temperature heating and hot water systems in dwellings
- ▶ Level 3 Award RQF installation and maintenance of air source heat pump systems.

### Not MCS certified?

We can support you with unlocking government grants and extended guarantees.

If MCS isn't right for your business right now, you can use our third party MCS umbrella scheme – who will handle the design, training and MCS accreditation paperwork to enable your customer to apply for government grants.

Contact our pre-sales team to find out more:  
**0330 123 3366.**

Installing heat pumps doesn't need a specific qualification, but our complementary product training will help you get hands-on experience and understand all the features and benefits, specification, installation, and servicing.



**Explore our product training**

# Accessories & technical data

## Accessories

Part Number	Description
8738206696	Alarm buzzer
7716161061	50l buffer
7735500777	120l buffer
8738214739	INPA Short (200mm – 400mm)
8738214740	INPA Long (500mm – 10000mm)
7747204698	Dew point sensor
8738214741	Floor stand small
8738214742	Small stand covers
8738205073	Bracket kit for MM100
8750743753	Wall-mount small
7738110140	MM100 Mixer
8738206183	CANbus cable 15m
8738206184	CANbus cable 30m
8738214748	Condensation heating cable 2.5m
8738214749	Condensation heating cable 3.5m
8738214750	Condensation heating cable 5.5m
7738112943	CR20RF controller
7738112961	RT800 controller
7738112314	CR10H Thermostat
8738214418	DHW tower hot water circulation pipe

## Accessories

Part Number	Description
7735502289	DHW cylinder sensor R60
7736601142	Pump Group HS25/6 s BO
7736601144	Pump Group HS25/6 BO
7736601148	Pump Group HSM25/6 BO
7736601151	Pump Group HS25/6 MM100 BO
7736601155	Pump Group HSM25/6 MM100 BO

## Pre-plumb cylinders

Model	Part number	Dimensions WxHxD
180L Slim	7731600271	653mm x 1708mm x 645mm
210L	7731600272	674mm x 1561mm x 747mm
250L	7731600273	674mm x 1806mm x 747mm

### Clearances

Front: 50mm (600mm wall), Left/Right: 150mm, Top: 200mm, Rear: 50mm

## Wall hung unit

Model	Part number	Dimensions WxHxD
AWE 12 E	8738214990	400mm x 720mm x 297mm

### Clearances:

Front: 800mm, Left/Right: 50mm, Top: 550mm

## System options

Output kW	Pre-plumb cylinders			Optional controls		
	Wall Hung Unit	PP Cylinder 180L Slim	PP Cylinder 210L Slim	PP Cylinder 250L Slim	RT800	CR20 RF
4	Y	Y	Y	N	Y	Y
5	Y	Y	Y	Y	Y	Y
7	Y	Y	Y	Y	Y	Y

## 5800i AW outdoor units

Model	4 OR-S	5 OR-S	7 OR-S
Part number	8738213464	8738213465	8738213466
kW output	4kW	5kW	7kW
Refrigerant	R290	R290	R290
Charge of refrigerant [kg]	0.95	0.95	0.95
Power supply	230v	230v	230v
Dimension (WxHxD) mm	1100 x 800 x 540	1100 x 800 x 540	1100 x 800 x 540
Clearances	<b>Front:</b> 2m (800mm*) <b>Left/Right:</b> 1m (2m to wall or 400mm*) <b>Rear:</b> 400mm (200mm*) <b>*Minimum distance:</b> The clearance can be reduced to the minimum clearance on one side and either the front or rear. There must be no house openings (windows, doors, light shafts) and electrical sources of ignition (sockets, lamps, electric switches) within the protected area.		
Circuit breaker ODU [A]	16A	16A	16A
Max output @-7/35 [kW]	3.92	5.42	6.71
COP max output @-7/35	2.89	2.51	2.36
Max output @7/35 [kW]	4.99	6.80	7.97
COP max output @7/35	3.59	3.16	3.07
Nominal output @7/35 [kW]	2.84	2.84	2.84
COP nominal output @7/35	4.85	4.85	4.85
Max output @2/35 [kW]	4.31	6.43	7.09
COP max output @2/35	3.21	2.91	2.83
Maximum cooling capacity @35/18 [kW]	4.36	5.25	5.50
EER max output @35/18	3.37	3.20	3.11
Nominal cooling capacity @35/18 [kW]	2.93	3.47	3.82
EER nominal @35/18	3.74	3.74	3.70
Max sound Power day [dB(A)]	51.2	53	57.7
Max sound Power night [dB(A)]	40.5	41.6	43.8
Max. sound pressure level at 5m (ErP)	40	42	42

# Share

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