

Greenstar CDi Compact Installer guide

Compact home comfort



10
Year
Guarantee*



Installer
guide



Greenstar CDi Compact

Our most versatile combi

Punching well above its weight, the Greenstar CDi Compact is a small boiler delivering high hot water flow rates – perfectly suited for busy homes. With full-width rear piping as standard and a pre-plumbing jig, it's flexible enough for any installation.

The versatile and compact boiler choice, with enough punch for small and medium sized homes.



Why install the Greenstar CDi Compact?



Guaranteed
10 years peace of mind for your customers*



Versatile
Suits many homes, up to 36kW hot water output



Installer-friendly
Full-width rear piping and pre-plumbing jig



Convenient
Siphonic condensate disposal



Compact
Just 280mm deep, fits in a standard kitchen cupboard



Efficient
94% central heating efficiency

Compact comfort

The fit-and-forget boiler which slots easily into a 300mm-deep cupboard gives you the flexibility to meet plenty of customer demands at once.

Here's what installers have to say...

The cupboard fit size, price point and reliability ticks all the boxes for ourselves as installers, and our customers.

Jon @ Aquila Heating & Plumbing,
Cheshire

By far the best boiler... can go anywhere and isn't too heavy either.

Jason @ J & S Plumbing Ltd,
Lincolnshire

We choose to fit the CDi Compact range due to its exceptional reliability and ease of installation, a first-class boiler.

Steven @ Morgans Plumbing & Heating Ltd,
Shropshire

The CDi Compact is perfect if you're looking for quality and reliability in a compact package.

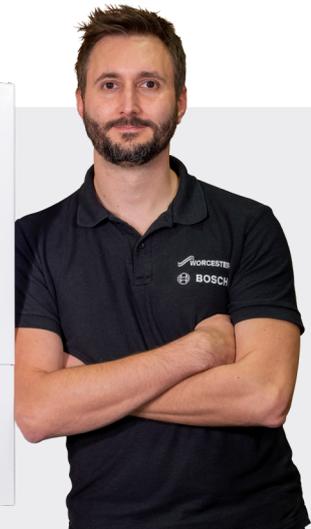
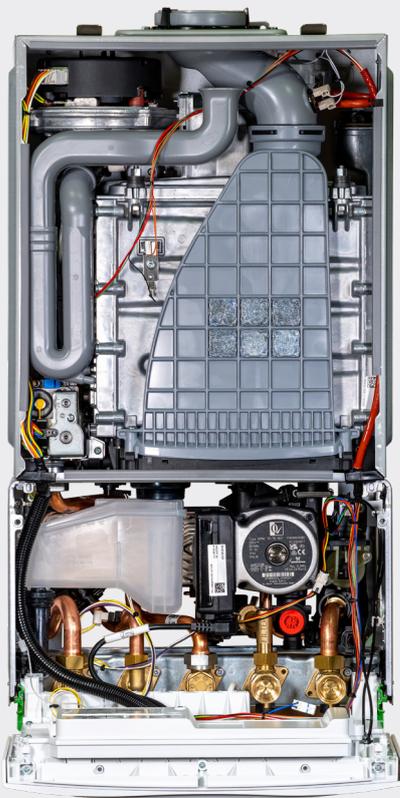
Dave @ DCB Plumbing & Heating,
Yorkshire



Functionality and flexibility

Easy access components

A front-facing PRV, an easily accessible air vent and a plate heat exchanger design offering single-screw removal enables straightforward access to critical components.



The CDi Compact is a superbly versatile boiler, perfectly balancing compactness, power and installation ease.

Nick Davies, Worcester Bosch Lead Product Manager

WB7 heat exchanger

The compact heat exchanger allows for the CDi Compact to be fitted inside a standard-sized kitchen cupboard, offering a greater surface area which delivers hot water performance and 94% central heating efficiency.

Flexible controls

Bosch EasyControl, Greenstar Comfort and Sense controls match the guarantee of the boiler when installed at the same time.



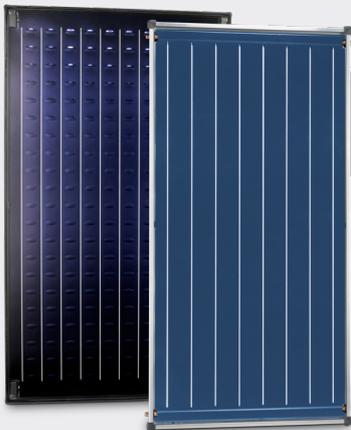


Wall-mounting jig

This feature allows installers to pre-plumb all seven boiler connections during installation and provides rear piping as standard. Included is a drop-lock expansion vessel which can be simply seated onto the hydraulic unit.

Fascia panel display

Clear display for diagnostic, operational and commissioning information with visible analogue pressure gauge for familiarity and ease of use. Controls can fit into the middle of the fascia panel for further optimised control.



Pre-heat accessory

An optional accessory, the Domestic Hot Water Pre-Heat Kit allows the CDI Compact to be installed in a solar thermal system or any DHW pre-heat technology, accepting incoming pre-heated mains water up to 60° C.

The inside story

Fan delivering up to 36kW hot water output at 6m maximum flue length (60/100mm)

Easily accessible air vent

Aluminium/silicon WB7 heat exchanger

PRV can be accessed and removed in seconds

Low energy ErP modulating pump

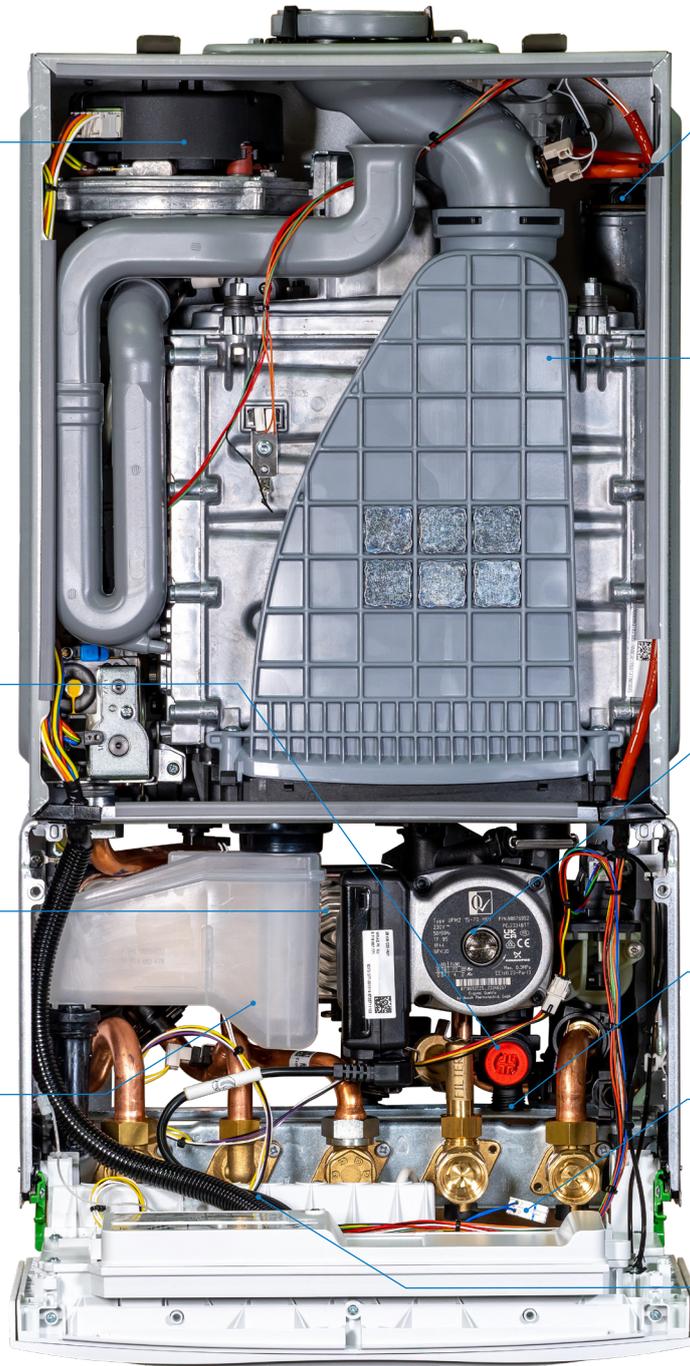
Secondary plate heat exchanger, simple to remove with just one screw

Keyed filling link as standard

High volume siphon for frozen condensate peace of mind

DHW pre-heat optional accessory

230V controls and mains interface



Technical data

| Model | | CDi Compact 28kW | CDi Compact 32kW | CDi Compact 36kW |
|--------------------------------------|------------|---|---|---|
| Part number | | 7 733 600 054 - NG 7 733 600 057 - LPG | 7 733 600 055 - NG 7 733 600 058 - LPG | 7 733 600 056 - NG 7 733 600 059 - LPG |
| ErP space heating efficiency class | | A / 94% | A / 94% | A / 94% |
| ErP hot water efficiency class | | A | A | A |
| Dimensions | Width | 390mm | 390mm | 390mm |
| | Height | 690mm | 690mm | 690mm |
| | Depth | 280mm | 280mm | 280mm |
| Clearances | Above flue | 30mm* | 30mm* | 30mm* |
| | Sides | 5mm | 5mm | 5mm |
| | Below | 200mm | 200mm | 200mm |
| | Front | 20mm** | 20mm** | 20mm** |
| Flow rate at the hot water (40°C ΔT) | | 10 l/min*** | 11 l/min*** | 13 l/min*** |
| Flow rate at the hot water (35°C ΔT) | | 11.4 l/min | 13.1 l/min | 15 l/min |
| Output kW to central heating (CH) | | 7kW-24kW | 7kW-24kW | 7kW-24kW |
| Sound power level dB(A) | | 52 | 52 | 52 |
| Maximum flue length (60/100mm) | | 6m horizontal & 6m vertical | 6m horizontal & 6m vertical | 6m horizontal & 6m vertical |

* Or measured 170mm from the top of the boiler cabinet.

** 20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments. 450mm front clearance to a fixed surface is permitted if a) 300mm clearance on one side is guaranteed b) the bottom of the boiler is between 1000mm and 1500mm from the ground and c) 450mm front clearance is maintained from ground level to boiler.

*** Minimum pressure required to achieve maximum flow rate = 1.6bar.

| Related accessories | Part number |
|--|---------------|
| Vertical Pre-Piping Assembly Kit | 7 733 601 250 |
| Greenstar System Mini Filter 22mm | 7 733 600 266 |
| Greenstar System Filter 22mm | 7 733 600 236 |
| Greenstar System Filter 28mm | 7 733 600 237 |
| Remote PRV Kit | 7 733 601 314 |
| Keyless Filling Link | 7 716 192 610 |
| Greenstar Xtra FGHR Unit | 7 736 900 525 |
| DHW Pre-heat Kit | 7 716 192 735 |
| Greenstar Comfort | 7 733 600 003 |
| Greenstar Comfort I RF | 7 733 600 001 |
| Greenstar Comfort II RF | 7 733 600 002 |
| Greenstar Comfort II RF System Care Pack | 7 733 601 214 |

| 60/100mm flues | Part number |
|---|---------------|
| Standard Telescopic Flue and Terminal (White) | 7 716 191 082 |
| Extension Flue Kit (960mm) | 7 716 191 083 |
| Short Flue Extension (220mm) | 7 716 191 133 |
| 90° Flue Bend | 7 716 191 084 |
| 45° Flue Bend | 7 716 191 085 |
| Support Bracket Kit | 7 716 191 177 |
| Vertical Flue Kit | 7 719 002 430 |

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