

Gas-fired boiler range

Product Guide 2020



 **WORCESTER**



BOSCH



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




















Worcester training	76 - 77
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Extended guarantees










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Wall-hung boilers – flue components

















100MM DIAMETER		
	7 716 191 082	Standard telescopic flue & terminal (350 - 570mm)
	7 738 112 869	Silver standard telescopic flue & terminal (350 - 570mm)
	7 716 191 171	Long telescopic flue kit (570 - 790mm)
	7 719 002 430	Vertical 1,090mm BF kit (inc. adaptor)
	7 716 191 083	Extension flue kit (960mm)
	7 738 112 871	Silver extension flue kit (960mm)
	7 716 191 172	2m flue extension
	7 716 191 133	Short flue extension (220mm)
	7 738 112 873	Silver short flue extension (220mm)
	7 716 191 084	90° flue bend
	7 738 112 874	Silver 90° flue bend
	7 716 191 085	45° flue bend x 2
	7 738 112 875	Silver 45° flue bend
	7 719 002 432	High level horizontal flue adaptor
	7 733 600 048*	High level horizontal telescopic flue kit
	7 716 191 177	Support bracket kit
	7 738 112 876	Silver support bracket kit
	7 716 191 178	Support bracket kit (6 pack)
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 191 086	Plume management kit (60mm dia.)

*For use with high level horizontal flue adaptor.










125MM DIAMETER		
	7 719 003 702	Standard telescopic flue & terminal (405 - 600mm)
	7 719 002 431	Vertical 1,365mm BF kit (inc. adaptor)
	7 719 003 666	Extension flue kit (960mm)
	7 719 003 664	90° flue bend
	7 719 003 665	45° flue bend
	7 719 002 433	High level horizontal flue adaptor
	7 716 191 179	Support bracket kit
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof

Floor-standing boilers – flue components



100MM DIAMETER		
	7 716 191 155	Standard telescopic flue kit (310 - 530mm)
	7 716 191 156	Vertical 1,140mm BF kit (inc. adaptor)
	7 716 191 083	Extension flue kit (960mm)
	7 716 191 172	2m flue extension
	7 716 191 133	Short flue extension (220mm)
	7 716 191 084	90° flue bend
	7 716 191 085	45° flue bend
	7 716 191 164	Vertical flue adaptor
	7 733 600 048*	High level horizontal telescopic flue kit
	7 716 191 177	Support bracket kit
	7 716 191 178	Support bracket kit (6 pack)
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 191 086	Plume management kit (60mm dia.)

*For use with high level horizontal flue adaptor and flue adaptor part number 8 718 682 324 0. Also requires a flue clamp fitting part number 8 716 116 815.

125MM DIAMETER		
	7 716 191 157	Standard horizontal flue kit (965mm)
	7 716 191 158	Vertical 1,365mm BF kit (inc. adaptor)
	7 719 003 666	Extension flue kit (960mm)
	7 719 003 664	90° flue bend
	7 719 003 665	45° flue bend
	7 716 191 165	Vertical flue adaptor
	7 716 191 179	Support bracket kit
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof

Flue terminal positioning

1. The terminal must not cause an obstruction nor the discharge a nuisance. Particular care should be exercised with regards to the plumbing of the flue gases and any increase in noise levels.
2. If a terminal is fitted less than 2 metres above a surface to which people have access, then a guard must be fitted. The terminal guard must be securely fixed to the wall using suitable plugs and corrosion resistant screws. The guard must be symmetrically positioned about the terminal assembly and spaced such that there is a gap of 50mm between the end of the terminal and the guard. This applies to the air intake and exhaust terminal when a plume management kit is used.
3. In certain weather conditions, a white plume of condensation will be emitted from the flue terminal and siting where this could be a nuisance should be avoided e.g. near security lighting.

The flue system must be installed and terminated in accordance with the manufacturer's instructions and recommendations of BS 5440:Part 1.

Note

- ▶ **Please refer back to the installation manuals for product specific clearances**
- ▶ **All measurements are the minimum clearances required**
- ▶ **Terminals must be positioned so as to avoid combustion products entering the building**
- ▶ **Support the flue at approximately one metre intervals and at a change of direction, use suitable brackets and fittings. Flue support bracket kit part numbers:**
 - 7 716 191 177 (100mm dia.)**
 - 7 716 191 178 (100mm dia. x 6)**
 - 7 716 191 179 (125mm dia.)**
- ▶ **Installations in car ports are not recommended.**
- ▶ **The flue cannot be lower than 1,000mm from the top of a light well due to the build up of combustion products.**
- ▶ **Dimensions from a flue terminal to a fanned air inlet to be determined by the ventilation equipment manufacturer.**
- ▶ **A flue terminal guard shall be fitted whenever a terminal or air inlet is fitted less than 2,000mm above ground, above a balcony or above a flat roof to which people have access.**

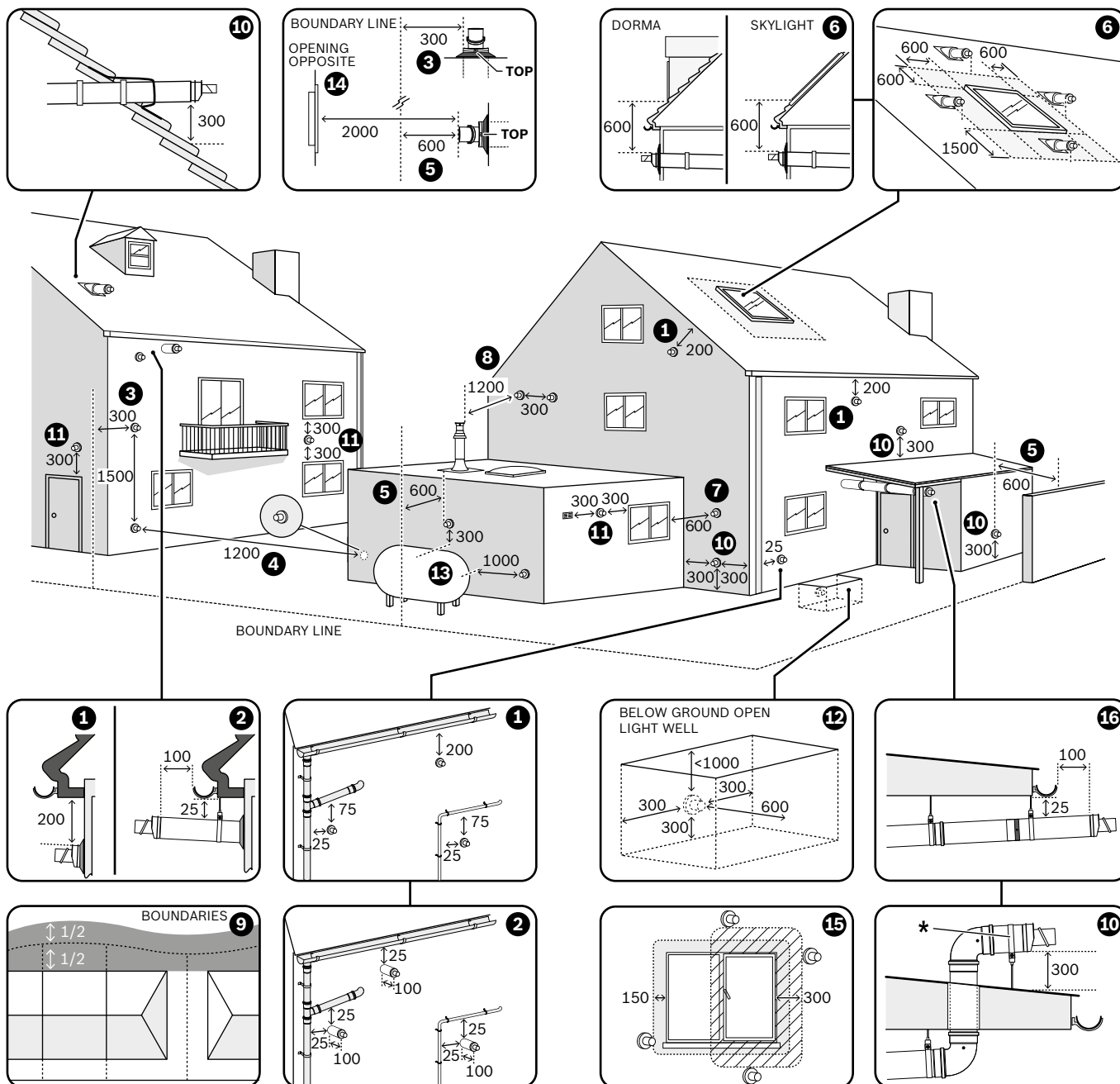
Key to illustration – horizontal flue terminal positions (see page 8)

1. 200mm below eaves and 75mm below gutters, pipe and drains.
2. The dimension below eaves, gutters, pipes and drains can be reduced to 25mm, as long as the flue terminal is extended by 100mm past any overhang. The telescopic flue joint must be sealed with suitable silicone sealant if it is external to the building.
3. 300mm adjacent to a boundary line, unless it will cause a nuisance. BS 5440: Part 1 recommends that care is taken when siting terminal in relation to surfaces or boundary lines.
4. 1,200mm separation measured between terminals facing each other.
5. 600mm distance to a surface or boundary line facing a terminal, unless it will cause a nuisance. BS 5440: Part 1 recommends that care is taken when siting terminal in relation to surfaces or boundary lines.
6. The terminal must be at least 1,500mm from the opening or vent when sited below the window or 600mm when sited to either side or above.
7. 600mm diagonally to an opening door, air vent or opening window.
8. 1,200mm separation measured between a vertical flue and a horizontal flue terminal.
9. For the purpose of determining suitable flue terminal positions for gas appliances, the boundary can be considered to extend to the centre line of any adjacent routes or waterways e.g. paths, streets, rights of way, canals, rivers or railways.
10. 300mm to an internal or external corner. 300mm above a surface, such as the ground/ floor level or roof surface.

*If the terminal section is less than 150mm and has two screws securing it to the elbow, the terminal section will not require a supporting bracket. However, the flue terminal can only be cut down to a minimum of 130mm.
11. 300mm above, below and either side of an opening door, air vent or opening window.
12. Below ground level in an open lightwell. The flue must be at least 600mm from the opposing surface and have at least 300mm clearance either side and below. The flue terminal must be no more than 1,000mm from the top of the lightwell.
13. Flues should clear any LPG storage by 1,000mm horizontally and 300mm above.
14. Proximity of flue duct outlet to boundaries, 2,000mm distance to an opening in adjacent building facing a terminal. BS 5440: Part 1 recommends that care is taken when siting terminal in relation to boundary lines.
15. 300mm from an opening or vented window, 150mm to a fixed unvented window.
16. The dimension below eaves, balconies and car ports can be reduced to 25mm, as long as the flue terminal is extended to clear any overhang. The telescopic flue joint of the terminal must be sealed with suitable silicon sealant if it is external to the building.

Horizontal flue terminal positions

All measurements in millimetres



**Key to illustration –
vertical flue terminal positions (see page 12)**

1. 1,500mm measured between a vertical flue terminal and an opening or vented window. 500mm measured horizontally between a vertical flue terminal and an opening or vented window providing the flue terminal is at least 300mm above the opening.
2. Minimum clearance to an additional flue, 600mm to a room sealed flue or 1,500mm to an open flue.
3. 300mm clearance from a vertical flue terminal adjacent to a boundary line, unless it will cause a nuisance. BS 5440: Part 1 recommends that care is taken when siting a terminal in relation to boundary lines.
4. 600mm minimum clearance measured from an opening or vented skylight to a vertical flue terminal. If the terminal is within 1,500mm of the opening or vented skylight then it must be at least 300mm above the opening.
5. 500mm clearance measured horizontally from a vertical flue to a vertical structure. Not required if the terminal is 300mm above the structure.
6. The flue must not penetrate the roof in the shaded area. The terminal must be at least 1,500mm from the opening or vent when sited below the window or 600mm when sited to either side or above.
7. 400mm measured diagonally from a pitched roof or 500mm in regions with heavy snow fall. 300mm measured vertically from the air intake to the closest intersection with the roof.
8. 1,200mm separation measured between a vertical flue and a horizontal flue terminal.
9. For the purpose of determining suitable flue terminal positions for gas appliances, the boundary can be considered to extend to the centre line of any adjacent routes or waterways e.g. paths, streets, rights of way, canals, rivers or railways.
10. 1,500mm measured between a vertical flue terminal and an opening or vented window. 500mm measured horizontally between a vertical flue terminal and an opening or vented window providing the flue terminal is at least 300mm above the opening.

Note

- **Where a vertical flue terminates in an area that is enclosed on 3 sides, the flue must be no more than 1,000mm below the lowest roof line. You must ensure that all clearances are maintained and that products of combustion disperse safely from the area.**

Plume management

Condensfit II™
plume management system

**Part numbers
60mm dia. plume management kit**

Comprises:
1 x terminal bend
1 x extension 500mm
1 x outlet assembly
1 x clamp pack

7 716 191 086



Accessories

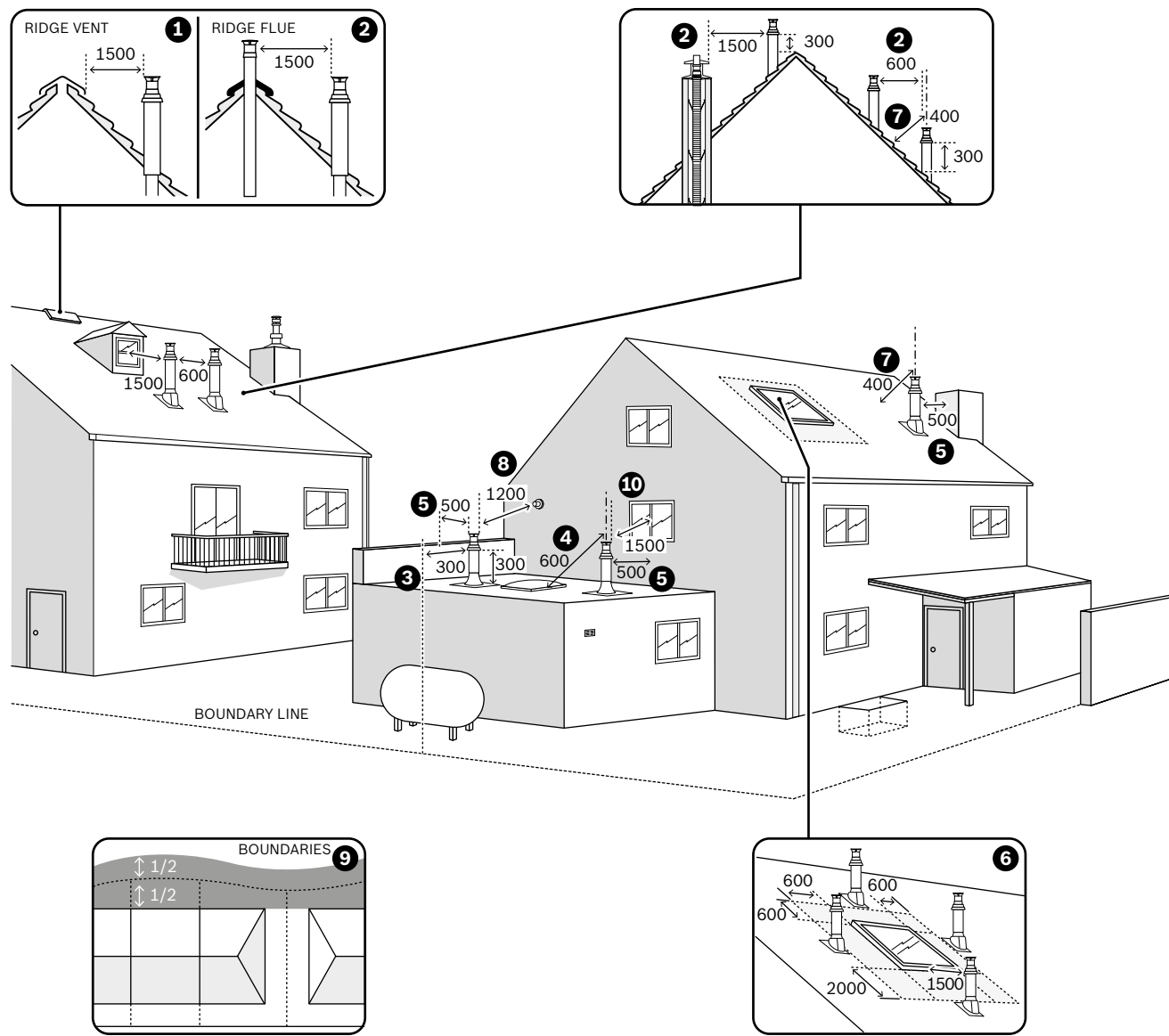
COMPONENTS	PART NO.	DESCRIPTION
60MM DIAMETER		
	7 716 191 086	Plume management kit (60mm dia.)
	7 716 191 087	Extension (1,000mm) kit
	7 716 191 088	90° Bend
	7 716 191 089	45° Bend (pair)
	7 716 191 176	Plume management terminal guard round
	8 716 111 2750	Plume management clamp

For every 90° plume management kit bend deduct 1,500mm and 750mm for every 45° plume management kit bend.

Plume management kits

Plume management kits are available for 100mm horizontally terminated flues. Please refer to the installation instructions supplied with the plume management kits.

For more information on plume lengths and reduced flue terminal clearances, please read the relevant boiler installation manual.



Wall mounted condensing combi boilers

Greenstar 8000 Style Combi series



*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.



A+++ → G



A+ → G

DIMENSIONS	
Width	440mm
Height	780mm
Depth	365mm
CLEARANCES	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.	
	ΔT 40°C^	ΔT 35°C#			
GREENSTAR 8000 STYLE 30kW COMBI				BLACK	WHITE
30.2	10.7	12.3	3.1 to 31	NG 7 738 100 832	7 738 100 795
				LPG 7 738 100 844	7 738 100 839
GREENSTAR 8000 STYLE 35kW COMBI				BLACK	WHITE
34.4	13.0	14.3	3.5 to 35	NG 7 738 100 833	7 738 100 796
				LPG 7 738 100 845	7 738 100 840
GREENSTAR 8000 STYLE 40kW COMBI				BLACK	WHITE
40.8	14.3	16.4	3.5 to 35	NG 7 738 100 834	7 738 100 797
				LPG 7 738 100 846	7 738 100 841
GREENSTAR 8000 STYLE 45kW COMBI				BLACK	WHITE
43.5	15.3	18.3	3.5 to 35	NG 7 738 100 835	7 738 100 798
				LPG 7 738 100 847	7 738 100 842
GREENSTAR 8000 STYLE 50kW COMBI				BLACK	WHITE
48.9	17.9	20.3	3.5 to 35	NG 7 738 100 836	7 738 100 799
				LPG 7 738 100 848	7 738 100 843

^40°C – Designed operational flow rate. #35°C – Values for industry comparisons.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)						
DIAMETER	DIRECTION	30kW	35kW	40kW	45kW	50kW
100mm	Horizontal	17,000	10,000	11,000	8,000	9,000
	Vertical	21,000	14,000	15,000	12,000	12,000
125mm	Horizontal	25,000	29,000	35,000	35,000	40,000
	Vertical	25,000	29,000	35,000	35,000	40,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY - NG	SAP COMPARATIVE HOT WATER EFFICIENCY
GREENSTAR 8000 STYLE 30kW COMBI				
41kg*	A / 94%	A	89.4%	73.4%
GREENSTAR 8000 STYLE 35kW COMBI				
41kg*	A / 94%	A	89.5%	75.1%
GREENSTAR 8000 STYLE 40kW COMBI				
41kg*	A / 94%	A	89.5%	73.4%
GREENSTAR 8000 STYLE 45kW COMBI				
43kg*	A / 94%	A	89.5%	74.1%
GREENSTAR 8000 STYLE 50kW COMBI				
43kg*	A / 94%	A	89.5%	74.2%

*Declared load profile XL. *Without front and side panels.



For details of compatible controls see pages 52-51. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing combi boilers

Greenstar 8000 Life Combi series



A
A+++ → G

A
A+ → G

DIMENSIONS	
Width	440mm
Height	780mm
Depth	365mm
CLEARANCES	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*20mm from a removable cupboard door, 600mm from a fixed surface for servicing.
Same clearances for ventilated and unventilated compartments.

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C^	ΔT 35°C#		
GREENSTAR 8000 LIFE 30kW COMBI				
30.2	10.7	12.3	3.1 to 31	NG 7 738 100 800
				LPG 7 738 100 849
GREENSTAR 8000 LIFE 35kW COMBI				
34.4	13	14.3	3.5 to 35	NG 7 738 100 801
				LPG 7 738 100 850
GREENSTAR 8000 LIFE 40kW COMBI				
40.8	14.3	16.4	3.5 to 35	NG 7 738 100 802
				LPG 7 738 100 851
GREENSTAR 8000 LIFE 45kW COMBI				
43.5	15.3	18.3	3.5 to 35	NG 7 738 100 803
				LPG 7 738 100 852
GREENSTAR 8000 LIFE 50kW COMBI				
48.9	17.9	20.3	3.5 to 35	NG 7 738 100 804
				LPG 7 738 100 853

^40°C – Designed operational flow rate. #35°C – Values for industry comparisons.



Collect 15 Greenstar Rewards points per installation

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)						
DIAMETER	DIRECTION	30kW	35kW	40kW	45kW	50kW
100mm	Horizontal	17,000	10,000	11,000	8,000	9,000
	Vertical	21,000	14,000	15,000	12,000	12,000
125mm	Horizontal	25,000	29,000	35,000	35,000	40,000
	Vertical	25,000	29,000	35,000	35,000	40,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY – NG	SAP COMPARATIVE HOT WATER EFFICIENCY
GREENSTAR 8000 LIFE 30kW COMBI				
41kg*	A / 94%	A	89.4%	73.4%
GREENSTAR 8000 LIFE 35kW COMBI				
41kg*	A / 94%	A	89.5%	75.1%
GREENSTAR 8000 LIFE 40kW COMBI				
41kg*	A / 94%	A	89.5%	73.4%
GREENSTAR 8000 LIFE 45kW COMBI				
43kg*	A / 94%	A	89.5%	74.1%
GREENSTAR 8000 LIFE 50kW COMBI				
43kg*	A / 94%	A	89.5%	74.2%

†Declared load profile XL. *Without front and side panels.



For details of compatible controls see pages 52-51. See page 64 for relevant accessories.



When installed with any Greenstar System Filter.

Greenstar CDi Compact series



DIMENSIONS	
Width	390mm
Height	690mm
Depth	280mm
CLEARANCES	
Above flue	30mm*
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C^	ΔT 35°C#		
GREENSTAR 28CDi COMPACT				
28	10	11.4	7.03 to 24	NG 7 733 600 054
				LPG 7 733 600 057
GREENSTAR 32CDi COMPACT				
32	11	13.1	7.03 to 24	NG 7 733 600 055
				LPG 7 733 600 058
GREENSTAR 36CDi COMPACT				
36	13	15	7.03 to 24	NG 7 733 600 056
				LPG 7 733 600 059

^40°C – Designed operational flow rate. #35°C – Values for industry comparisons.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	CDI COMPACT SERIES
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY – NG	SAP COMPARATIVE HOT WATER EFFICIENCY
GREENSTAR 28CDi COMPACT				
32.9kg	A / 94%	A	89.8%	74.9
GREENSTAR 32CDi COMPACT				
32.9kg	A / 94%	A	89.8%	75.0
GREENSTAR 36CDi COMPACT				
32.9kg	A / 94%	A	89.8%	74.7

*Declared load profile XL



For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



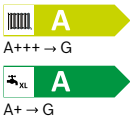
Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing combi boilers

Greenstar Si Compact series



DIMENSIONS	
Width	390mm
Height	690mm
Depth	280mm
CLEARANCES	
Above flue	30mm*
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C^	ΔT 35°C#		
GREENSTAR 25Si COMPACT				
25	9	10.2	7.03 to 24	NG 7 733 600 050
				LPG 7 733 600 051
GREENSTAR 30Si COMPACT				
30	11	12.3	7.03 to 24	NG 7 733 600 052
				LPG 7 733 600 053

^40°C – Designed operational flow rate. #35°C – Values for industry comparisons.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	SI COMPACT SERIES
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.

 For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY – NG	SAP COMPARATIVE HOT WATER EFFICIENCY
GREENSTAR 25Si COMPACT				
32.9kg	A / 94%	A	89.8%	74.7
GREENSTAR 30Si COMPACT				
32.9kg	A / 94%	A	89.8%	74.2

*Declared load profile XL

 For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Greenstar i series



A+++ → G



A+ → G

DIMENSIONS	
Width	400mm
Height	710mm
Depth	330mm max
CLEARANCES	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.

** Distance above cabinet for cleaning when vertical flues are used.

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C^	ΔT 35°C#		
GREENSTAR 25i				
25	9	10.2	7.2 to 24†	NG 7 733 600 012
				LPG 7 733 600 031
GREENSTAR 30i				
30	10.8	12.3	7.2 to 24†	NG 7 733 600 005
				LPG 7 733 600 032

^40°C – Designed operational flow rate. #35°C – Values for industry comparisons.

*13kW with low NOx code plug fitted.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	GREENSTAR i SERIES
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY – NG	SAP COMPARATIVE HOT WATER EFFICIENCY
GREENSTAR 25i				
31.7kg	A / 94%	A	89.6%	73.2
GREENSTAR 30i				
31.7kg	A / 94%	A	89.6%	72.1

†Declared load profile XL



For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Worcester 2000 series



A+++ → G



A+ → G

DIMENSIONS

Width	400mm
Height	724mm
Depth	300mm

CLEARANCES

Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.

** Distance above cabinet for cleaning when vertical flues are used.

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (L/MIN)		CH OUTPUT (kW)	PART NO.
	ΔT 40°C#	ΔT 35°C^		
WORCESTER 2000 25kW				
25	9	10	4.8 to 20	NG 7 736 902 027
WORCESTER 2000 30kW				
30	10.8	12	4.8 to 20	NG 7 736 902 028

^35°C – Designed operational flow rate.

#40°C – Values for Worcester Bosch comparisons.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	WORCESTER 2000 SERIES
100mm	Horizontal	9,000
	Vertical	12,000
125mm	Horizontal	12,000
	Vertical	15,000

Note: For every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY – NG
WORCESTER 2000 25kW			
36kg	A / 93%	A	89.1%
WORCESTER 2000 30kW			
36kg	A / 93%	A	89.1%

*Declared load profile XL



For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



Collect 10 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Floor standing condensing combi boilers

Greenstar Highflow CDi series



DIMENSIONS	
Width	600mm
Height	850mm
Depth	600mm
CLEARANCES	
Above	15mm
Left	5mm
Right	5mm
Front	25mm*

*600mm required for servicing. Refer to the installation and servicing instructions for unventilated clearances.

Models and outputs

MAX DHW OUTPUT (kW)	FLOW RATE (ΔT 35°C FOR A 90 LITRE DRAW OFF)	CH OUTPUT (kW)	PART NO.	
GREENSTAR HIGHFLOW 440CDi				
29.5	20#	7.4 to 29.2	NG	7 731 600 098
			LPG	7 731 600 099
GREENSTAR HIGHFLOW 550CDi				
41.1	25#	9.7 to 30.6	NG	7 731 600 100
			LPG	7 731 600 101

#Flow rate shown is only until the heat store is depleted. Once the heat store is depleted, it is advisable to reduce the flow rate to maintain the DHW temperature at the outlet.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	HIGHFLOW CDi SERIES
100mm	Horizontal	4,000
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 750mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components see page 5.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS*	SAP EFFICIENCY – NG	SAP COMPARATIVE HOT WATER EFFICIENCY
GREENSTAR HIGHFLOW 440CDi				
112kg	A / 92%	B	89.2%	61.7
GREENSTAR HIGHFLOW 550CDi				
112kg	A / 92%	B	89.2%	61.7

*Declared load profile XL



For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing system boiler

Greenstar 8000 Style System series



*20mm from a removable cupboard door, 600mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.



A+++ → G

DIMENSIONS	
Width	440mm
Height	780mm
Depth	365mm
CLEARANCES	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 8000 STYLE 30kW SYSTEM	BLACK	WHITE
3.1 to 31	NG 7 738 100 837	7 738 100 805
	LPG 7 738 100 856	7 738 100 854
GREENSTAR 8000 STYLE 35kW SYSTEM	BLACK	WHITE
3.5 to 35	NG 7 738 100 838	7 738 100 806
	LPG 7 738 100 857	7 738 100 855

System boilers using Worcester control options without the Greenstar Wiring Centre are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.

Optional diverter valve kits

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 30kW & 35kW	7 738 112 913

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)			
DIAMETER	DIRECTION	30kW	35kW
100mm	Horizontal	17,000	10,000
	Vertical	21,000	14,000
125mm	Horizontal	25,000	29,000
	Vertical	25,000	29,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR 8000 STYLE 30kW SYSTEM		
40kg*	A / 94%	89.6%
GREENSTAR 8000 STYLE 35kW SYSTEM		
40kg*	A / 94%	89.6%

*Without front and side panels.



For details of compatible controls see pages 52-51. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing system boiler

Greenstar 8000 Life System series



DIMENSIONS	
Width	440mm
Height	780mm
Depth	365mm
CLEARANCES	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*20mm from a removable cupboard door, 600mm from a fixed surface for servicing.
Same clearances for ventilated and unventilated compartments.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 8000 LIFE 30kW SYSTEM		
3.1 to 31	NG	7 738 100 807
	LPG	7 738 100 858
GREENSTAR 8000 LIFE 35kW SYSTEM		
3.5 to 35	NG	7 738 100 808
	LPG	7 738 100 859

System boilers using Worcester control options without the Greenstar Wiring Centre are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.

Optional diverter valve kits

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 30kW & 35kW	7 738 112 913

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)			
DIAMETER	DIRECTION	30kW	35kW
100mm	Horizontal	17,000	10,000
	Vertical	21,000	14,000
125mm	Horizontal	25,000	29,000
	Vertical	25,000	29,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR 8000 LIFE 30kW SYSTEM		
40kg*	A / 94%	89.6%
GREENSTAR 8000 LIFE 35kW SYSTEM		
40kg*	A / 94%	89.6%

*Without front and side panels.



For details of compatible controls see pages 52-51. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing system boilers

Greenstar

9i System - 24i System series



DIMENSIONS	
Width	400mm
Height	710mm
Depth	330mm
CLEARANCES	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*20mm from a removable cupboard door, 600mm from a fixed surface for servicing.
Same clearances for ventilated and unventilated compartments.
** Distance above cabinet for cleaning when vertical flues are used.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 9i SYSTEM		
3.1 to 9.2	NG	7 733 600 011
	LPG	7 733 600 033
GREENSTAR 12i SYSTEM		
3.1 to 12.2	NG	7 733 600 010
	LPG	7 733 600 034
GREENSTAR 15i SYSTEM		
4.6 to 15.3	NG	7 733 600 009
	LPG	7 733 600 035
GREENSTAR 18i SYSTEM		
4.6 to 18.4	NG	7 733 600 008
	LPG	7 733 600 036
GREENSTAR 21i SYSTEM		
7.2 to 21.6	NG	7 733 600 007
	LPG	7 733 600 037
GREENSTAR 24i SYSTEM		
7.2 to 24.6	NG	7 733 600 006
	LPG	7 733 600 038

System boilers using Worcester control options are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.

Optional diverter valve kit

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 9 to 24kW	7 733 600 089

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	9i SYSTEM – 24i SYSTEM SERIES
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.

For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR 9i SYSTEM		
30.9kg	A / 94%	89.8%
GREENSTAR 12i SYSTEM		
30.9kg	A / 94%	89.8%
GREENSTAR 15i SYSTEM		
30.9kg	A / 94%	89.7%
GREENSTAR 18i SYSTEM		
30.9kg	A / 94%	89.7%
GREENSTAR 21i SYSTEM		
30.9kg	A / 94%	89.7%
GREENSTAR 24i SYSTEM		
30.9kg	A / 94%	89.7%



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing system boilers

Greenstar 27i System – 30i System series



DIMENSIONS	
Width	390mm
Height	690mm
Depth	280mm
CLEARANCES	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.
** Distance above cabinet for cleaning when vertical flues are used.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 27i SYSTEM		
7.03 to 27	NG	7 733 600 060
	LPG	7 733 600 061
GREENSTAR 30i SYSTEM		
7.03 to 30	NG	7 733 600 062
	LPG	7 733 600 063

System boilers using Worcester control options are incompatible with Y or S Plan systems and must have the optional Diverter Valve Kit fitted.

Optional diverter valve kits

DESCRIPTION	PART NO.
Optional Diverter Valve Kit – 27kW	7 733 600 220
Optional Diverter Valve Kit – 30kW	7 733 600 221

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	27i SYSTEM & 30i SYSTEM
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR 27i SYSTEM		
27.3kg	A / 92%	89.0%
GREENSTAR 30i SYSTEM		
27.3kg	A / 92%	89.0%



For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing regular boilers

Greenstar 8000 Life Regular series



A+++ → G

DIMENSIONS	
Width	440mm
Height	780mm
Depth	365mm
CLEARANCES	
Above flue	30mm
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*20mm from a removable cupboard door, 600mm from a fixed surface for servicing.
Same clearances for ventilated and unventilated compartments.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 8000 LIFE 30kW REGULAR		
3.1 to 31	NG	7 738 100 809
	LPG	7 738 100 860
GREENSTAR 8000 LIFE 35kW REGULAR		
3.5 to 35	NG	7 738 100 810
	LPG	7 738 100 861
GREENSTAR 8000 LIFE 40kW REGULAR		
4.0 to 40	NG	7 738 100 811
	LPG	7 738 100 862
GREENSTAR 8000 LIFE 45kW REGULAR		
4.5 to 45	NG	7 738 100 812
	LPG	7 738 100 863
GREENSTAR 8000 LIFE 50kW REGULAR		
5.0 to 50	NG	7 738 100 813
	LPG	7 738 100 864

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)						
DIAMETER	DIRECTION	30kW	35kW	40kW	45kW	50kW
100mm	Horizontal	17,000	10,000	11,000	8,000	9,000
	Vertical	21,000	14,000	15,000	12,000	12,000
125mm	Horizontal	25,000	29,000	35,000	35,000	40,000
	Vertical	25,000	29,000	35,000	35,000	40,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 1,500mm and 500mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR 8000 LIFE 30kW REGULAR		
40kg*	A / 94%	89.6%
GREENSTAR 8000 LIFE 35kW REGULAR		
40kg*	A / 94%	89.6%
GREENSTAR 8000 LIFE 40kW REGULAR		
40kg*	A / 94%	89.6%
GREENSTAR 8000 LIFE 45kW REGULAR		
42kg*	A / 94%	89.8%
GREENSTAR 8000 LIFE 50kW REGULAR		
42kg*	A / 94%	89.8%

*Without front and side panels.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Wall mounted condensing regular boilers

Greenstar 9Ri - 24Ri series



DIMENSIONS	
Width	390mm
Height	600mm
Depth	270mm
CLEARANCES	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*20mm from a removable cupboard door, 600mm from a fixed surface for servicing.
Refer to the installation and servicing instructions for unventilated clearances.

** Distance above cabinet for cleaning when vertical flues are used.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 9Ri		
3.45 to 9	NG	7 733 600 306
	LPG	7 733 600 300
GREENSTAR 12Ri		
3.45 to 12	NG	7 733 600 307
	LPG	7 733 600 301
GREENSTAR 15Ri		
4.62 to 15	NG	7 733 600 308
	LPG	7 733 600 302
GREENSTAR 18Ri		
5.54 to 18	NG	7 733 600 309
	LPG	7 733 600 303
GREENSTAR 21Ri		
7.38 to 21	NG	7 733 600 310
	LPG	7 733 600 304
GREENSTAR 24Ri		
7.38 to 24	NG	7 733 600 311
	LPG	7 733 600 305

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	9Ri – 24Ri SERIES
100mm	Horizontal	4,600
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR 9Ri		
22.6kg	A / 92%	89.1%
GREENSTAR 12Ri		
22.6kg	A / 92%	89.1%
GREENSTAR 15Ri		
22.6kg	A / 92%	88.9%
GREENSTAR 18Ri		
22.6kg	A / 92%	88.9%
GREENSTAR 21Ri		
22.6kg	A / 92%	88.7%
GREENSTAR 24Ri		
22.6kg	A / 92%	88.7%




Collect 15 Greenstar Rewards points per installation




When installed with any Greenstar System Filter.

Wall mounted condensing regular boilers

Greenstar 27Ri - 30Ri series





A+++ → G

DIMENSIONS	
Width	390mm
Height	600mm
Depth	270mm
CLEARANCES	
Above flue	30mm**
Left	5mm
Right	5mm
Below	200mm
Front	20mm*

*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.

** Distance above cabinet for cleaning when vertical flues are used.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR 27Ri		
7.03 to 27	NG	7 733 600 064
	LPG	7 733 600 065
GREENSTAR 30Ri		
7.03 to 30	NG	7 733 600 066
	LPG	7 733 600 067

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	27Ri & 30Ri
100mm	Horizontal	6,000
	Vertical	6,000
125mm	Horizontal	15,000
	Vertical	15,000

Note: for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.



For details of flue components, including new silver flues see page 4.

Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY - NG
GREENSTAR 27Ri		
22.7kg	A / 92%	89.0%
GREENSTAR 30Ri		
22.7kg	A / 93%	89.0%



For details of compatible controls see pages 54-55. See page 64 for relevant accessories.



Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

Floor standing condensing regular boilers

Greenstar FS CDi Regular series



DIMENSIONS	
Width	400mm
Height	850mm
Depth	600mm
CLEARANCES	
Above	15mm
Left	5mm
Right	5mm
Front	25mm*

*600mm to a removable door for servicing. Refer to Tech & Spec for unventilated clearances.

Models and outputs

CH OUTPUT (kW)	PART NO.	
GREENSTAR FS 30CDi REGULAR		
7.7 to 30	NG	7 731 600 102
	LPG	7 731 600 103
GREENSTAR FS 42CDi REGULAR		
9.6 to 40.8	NG	7 731 600 104
	LPG	7 731 600 105

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)		
DIAMETER	DIRECTION	FS 30CDi REGULAR & FS 42CDi REGULAR
100mm	Horizontal	4,000
	Vertical	6,400
125mm	Horizontal	13,000
	Vertical	15,000

Note: 60/100mm – for every 90° flue bend deduct 1,500mm and 750mm for every 45° flue bend. 80/125mm – for every 90° flue bend deduct 2,000mm and 1,000mm for every 45° flue bend.

For details of flue components see page 5.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY – NG
GREENSTAR FS 30CDi REGULAR		
55.1kg	A / 92%	88.9%
GREENSTAR FS 42CDi REGULAR		
55.1kg	A / 92%	88.8%

See page 64 for relevant accessories.



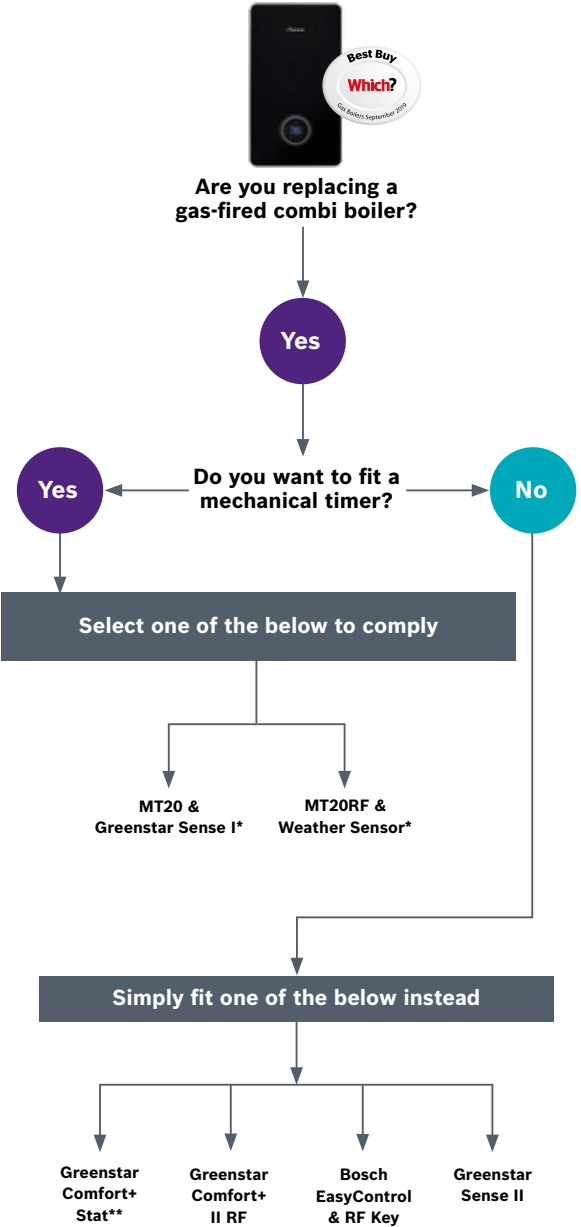
Collect 15 Greenstar Rewards points per installation



When installed with any Greenstar System Filter.

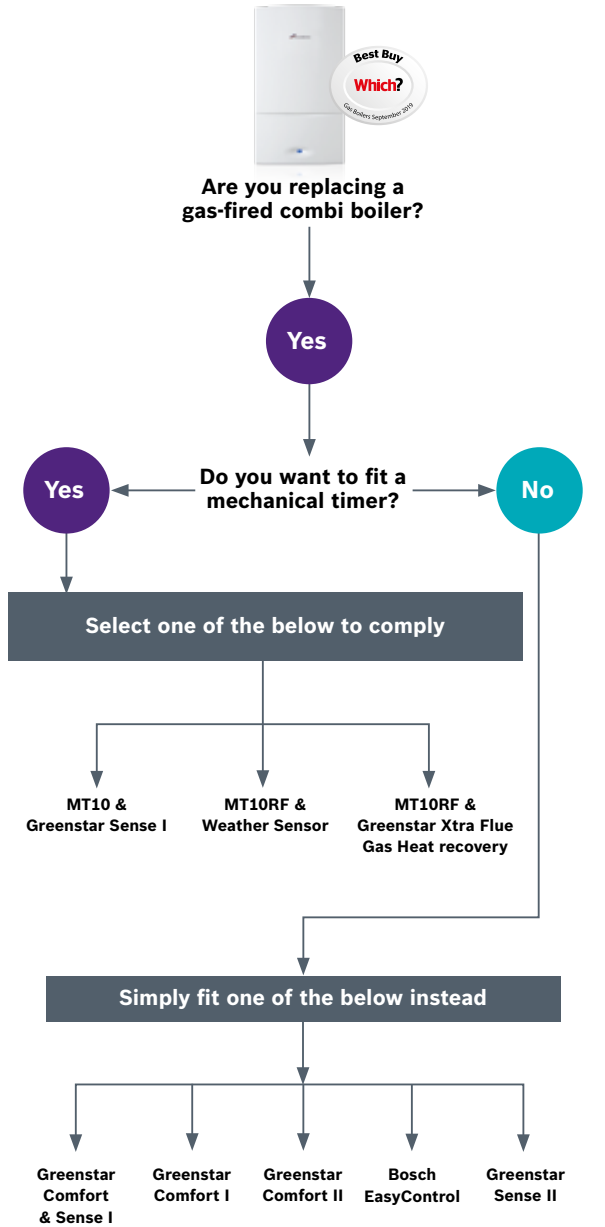
Boiler Plus legislation made easy with Worcester

Are you replacing a gas-fired combi boiler with an 8000 Lifestyle?



44 * MT20 not currently compatible with our Worcester 2000.
** Must be used with an external 230v timer or MT20.

Are you replacing a gas-fired combi boiler with a Greenstar Compact or i?



Controls

To find out which Greenstar boilers are compatible with our range of optional plug-in controls, see page 56-57.

Bosch EasyControl Smart internet-connected controller

Bosch EasyControl controller

Part no. 7 736 701 341 (white)

Part no. 7 736 701 392 (black)



- ▶ Decide times and temperatures for heating and hot water, all from your smart device.
- ▶ Home presence detection.
- ▶ Easy to use and set up with simple displays and intuitive app.
- ▶ Visual graphs to monitor heating and hot water use.
- ▶ Requires just a 2-core wire connection between the control and the boiler.

Bosch EasyControl Adapter

Part no. 7 736 701 560

- ▶ The adapter allows the EasyControl to be compatible with other manufacturer's boilers through OpenTherm protocols or boilers with a 230V room thermostat connection. When connected via a 230V connection, only central heating can be controlled.



Collect 5 Greenstar Rewards points per installation

Individual Smart TRV

Part no. 8 750 000 270



- ▶ Decide heating times and temperatures for individual rooms with the Bosch EasyControl.
- ▶ If installing Smart TRVs with your EasyControl, one must be installed in the same zone as the EasyControl wall unit.
- ▶ For optimum performance we recommend Smart TRVs are installed on all radiators.
- ▶ Child-lock setting through EasyControl App.

Bosch EasyControl TRV set

Part no. 7 736 701 555

(1 white EasyControl, 3 Smart TRVs)

Part no. 7 736 701 556

(1 black EasyControl, 3 Smart TRVs)



Up to a 10 year guarantee. The guarantee of our EasyControl, Comfort and Sense range will match the Worcester Bosch boiler that it is installed with.

Greenstar Comfort controls

Greenstar Comfort plug-in twin channel programmer

Part no. 7 733 600 003



- ▶ Simple menu navigation.
- ▶ Heating programme visualisation bar.
- ▶ 7-day time control for heating and hot water.

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

Part no. 7 733 600 001



All the features of **Comfort PLUS...**

- ▶ Enhanced load compensation for increased efficiency.
- ▶ Quick installation – no wiring required.
- ▶ Extremely reliable RF signal.

Greenstar Comfort II RF wireless programmable room thermostat and plug-in RF receiver

Part no. 7 733 600 002



All the features of **Comfort & Comfort I PLUS...**

- ▶ 6 adjustable heating temperatures per day.
- ▶ Set programme at the room thermostat.
- ▶ Remote access to boiler diagnostic codes.
- ▶ Optional wall plate available – 7 733 600 039. The wall plate can be used with all the comfort range of controls.

Comfort Wall Plate Kit

Part no. 7 733 600 039



- ▶ Allows remote mounting of a Comfort plug-in unit which is then wired to the boiler. Ideal for use with external boilers.

Greenstar Sense controls

Greenstar Sense I intelligent room thermostat

Part no. 7 733 110 054



- ▶ Load compensation feature for increased efficiency.
- ▶ Boiler output automatically adjusted to precisely meet the heat demand of the property at maximum efficiency.
- ▶ Maximises the condensing boiler's operation.
- ▶ Ideal when replacing an existing, less efficient wired room thermostat.



Up to a 10 year guarantee. The guarantee of our EasyControl, Comfort and Sense range will match the Worcester Bosch boiler that it is installed with.

Greenstar Sense II weather compensation controller

Part no. 7 738 111 064



- ▶ Intelligently interacts with the boiler to provide weather compensation via a wired outdoor sensor.
- ▶ Solar thermal optimisation in conjunction with MS100 solar module.
- ▶ Displays the amount of energy recovered from a solar system.
- ▶ Service reminder function.

Mechanical timers

MT10 mechanical timer*

Part no. 7 716 192 036



- ▶ Analogue clock for setting on and off times for heating.

MT10RF mechanical RF thermostat*

Part no. 7 716 192 037



- ▶ Analogue display has comfort and economy time and temperature periods.
- ▶ No wiring.

Weather sensor

Outdoor weather sensor

Part no. 7 716 192 764



Wiring modules

MS100 and MS200 intelligent solar module

Part no. 7 738 110 144



- ▶ Specially designed interface that integrates a solar heating system with a gas-fired system boiler.
- ▶ Works in conjunction with a solar-compatible weather or load compensation unit such as the Sense II. MS200 unit allows integration of more complex Solar heating systems.

Greenstar Wiring Centre

Part no. 7 738 110 116

- ▶ Allows wireless room thermostats to be used with a regular boiler.
- ▶ Pump is wired direct and not to the boiler – saving as much as half a day's installation time.

*4% saving is achieved when installed as a room thermostat;
2% when installed in the boiler fascia.

*These controls will not provide hot water pre-heat time control when installed with a combi boiler.

8000 controls

The below controls are compatible with our Greenstar 8000 Lifestyle.

Our 8000 Lifestyle system boilers require an optional integral diverter valve and our 8000 Life regular boilers must be installed with our Greenstar Wiring Centre.

Wireless Bosch EasyControl smart internet-connected controller

Bosch EasyControl RF Key

Part no. 7 738 112 351

- Enables wireless connection between the control and the boiler.

Bosch EasyControl controller

Part no. 7 736 701 341 (white)

Part no. 7 736 701 392 (black)

Used in conjunction with Bosch EasyControl Stand.

Part no. 7 736 701 576



Collect 5 Greenstar Rewards points per installation

Greenstar Comfort+ controls

Greenstar Comfort+ II RF

Part no. 7 738 112 324



- Wireless connection between the control and the boiler.
- Provides low pressure indication.
- Pre-paired with the programmer .
- Six adjustable heating and hot water periods.

Greenstar Comfort+ Stat RF

Part no. 7 738 112 338



- Wireless connection between the control and the boiler.
- Compatible with external 230V timer or MT20.
- Pre-paired with the programmer.

MT20 Mechanical Timers

MT20 Mechanical Thermostat

Part no. 7 733 600 332

MT20 RF Mechanical Thermostat

Part no. 7 733 600 332

Greenstar controls matrix

					GAS-FIRED BOILERS													
					COMBI							SYSTEM^					REGULAR*	
					8000 LIFE	8000 STYLE	CDI COMPACT	SI COMPACT	GREENSTAR i	WORCESTER 2000	HIGHFLOW CDI	8000 LIFE	8000 STYLE	27i SYSTEM AND 30i SYSTEM	9i SYSTEM –24i SYSTEM	GB162	8000 LIFE	27Ri AND 30Ri
CONTROL	PART NO.	ERP CLASS	% SYSTEM EFFICIENCY GAIN															
MECHANICAL TIMERS																		
MT10 Mechanical Timer	7 716 192 036	–	–				✓	✓	✓									
MT10RF Mechanical Thermostat	7 716 192 037	I	1				✓	✓	✓									
MT20 Mechanical Timer	7 733 600 332	–	–		✓	✓												
MT20RF Mechanical Thermostat	7 733 600 333	I	1		✓	✓												
DIGITAL AND WIRELESS PROGRAMMERS AND ROOM THERMOSTATS																		
Greenstar Comfort	7 733 600 003	–	–				✓	✓	✓		✓			✓	✓			
Greenstar Comfort I RF	7 733 600 001	V	3				✓	✓	✓		✓			✓	✓			✓
Greenstar Comfort II RF	7 733 600 002	V	3				✓	✓	✓		✓			✓	✓			✓
Greenstar Comfort+ Stat RF***	7 738 112 338	V	3		✓	✓						✓	✓					
Greenstar Comfort+ II RF	7 738 112 324	V	3		✓	✓				✓ ⁴		✓	✓					
ADVANCED INTELLIGENT CONTROLS																		
Greenstar Sense I**	7 738 110 054	V	3		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓ ¹		
Greenstar Sense II	7 738 111 064	VI	4†		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ¹		
Outdoor Weather Sensor	7 716 192 764	II	2		✓	✓	✓	✓	✓									
WIRING MODULES																		
MS100 Intelligent Solar Module	7 738 110 144	–	–									✓		✓	✓	✓ ¹		
Greenstar Wiring Centre	7 738 110 116	–	–															✓

[†]4% when installed via a BUS connection & weather compensation mode enabled;

* With optional wiring centre (see page 51).

**Must be used with an external 230v timer or MT10 or MT20.

***Must be used with an external 230v timer or MT20.

^ With optional integral diverter valve.

¹ Only compatible when installed with a single boiler, not when installed as part of a cascade.

² Must be used with a Greenstar Wiring Centre.

³ Must be used with Greenstar Comfort+ II RF.

⁴ Included with the Worcester 2000.

For further support on our range of controls,
please call our controls technical support team
on **0330 123 3641**.

Bosch EasyControl matrix

CONTROL	PART NO.	ERP CLASS	% SYSTEM EFFICIENCY GAIN		8000 LIFE	CDi COMBI	Si COMPACT	GREENSTAR i	WORCESTER 2000	HIGHFLOW CDi	8000 LIFE	27i SYSTEM	9i SYSTEM	GB162	8000 LIFE	27Ri AND 30Ri
SMART CONTROLS																
EasyControl – White	7 736 701 341	VI	4 [†]		✓	✓	✓	✓	✓	✓	✓ ²	✓ ²	✓ ²		✓ ¹	✓ ¹
EasyControl – Black	7 736 701 392	VI	4 [†]		✓	✓	✓	✓	✓	✓	✓ ²	✓ ²	✓ ²		✓ ¹	✓ ¹
EasyControl RF Key	7 738 112 351				✓				✓		✓ ²				✓ ¹	
EasyControl Table Stand	7 736 701 576				✓				✓		✓ ²				✓ ¹	
EasyControl and 3x Smart TRV set – White	7 736 701 555	VIII	5 [†]		✓	✓	✓	✓	✓	✓	✓ ²	✓ ²	✓ ²		✓ ¹	✓ ¹
EasyControl and 3x Smart TRV set – Black	7 736 701 556	VIII	5 [†]		✓	✓	✓	✓	✓	✓	✓ ²	✓ ²	✓ ²		✓ ¹	✓ ¹
EasyControl Adapter	7 736 701 560										✓	✓	✓		✓	✓

¹4% when installed via a BUS connection & weather compensation mode enabled;
5% when installed via a BUS connection and with 3 or more smart radiator thermostats installed in the system.

¹ When installed with an EasyControl Adapter to control a single heating channel.

² When installed with an integral diverter valve and connected to the EasyControl via emsBUS or, when installed using an EasyControl Adapter as part of an S or Y plan to control a single central heating channel.

For further support on our range of controls, please call our controls technical support team on **0330 123 3641**.

Accessories

NEW



Greenstar Intelligent Filling System

Part no. 7 738 112 911

- Only compatible with Greenstar 8000 Lifestyle combi.
- **Helps maintain optimum boiler pressure**
This industry-first revolutionary software allows the internal filling valve to automatically fill the heating system.
- **Automatically opens and close filling valve**
Once optimum pressure has been reached, the integrated filling valve will automatically stop and close.
- **Prevents over-filling**
Will recognise if there is a leak in the system and will not automatically fill the system.
- **Reduces unnecessary call outs**
It also alerts your customer if the heating system is losing too much pressure.

NEW
Mini and
Brass System
Filter



Greenstar System Filter Range

Part no. 7 733 600 266 (22mm mini)
7 733 600 236 (22mm)
7 733 600 237 (28mm)
7 733 600 476 (22mm brass)

- **Isolation valve indicators**
Can be opened using a single 90° turn, with red and green indicators showing when the filter is in operation.
- **Mini System Filter**
Designed for installs with space restrictions as it is 54mm smaller in height than the normal 22mm filter.
- **Brass System Filter**
Precision engineered, robust filter, with a large capacity, that is both easy to install and clean. The brass filters have a bypass, making it easy to remove and clean while the boiler continues to operate.



**Collect 5 Greenstar Rewards
points per installation**



Worcester Keyless Filling Link

Part no. 7 716 192 610

- ▶ WRAS approved.
- ▶ Simple lever operation, no key or hose required.
- ▶ No risk of the end user losing or misplacing the filling link.
- ▶ For safe use as a filling link with the domestic water supply.



Worcester CondenseSure

Part no. 7 716 192 746

- ▶ No electrical supply needed.
- ▶ Compatible with all boilers.
- ▶ Uses 'free' energy.
- ▶ Installation flexibility.



Greenstar Xtra FGHR Unit

Part no. 7 736 900 525

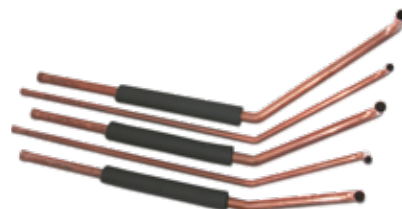
- ▶ Designed for use with Greenstar Si Compact, CDi Compact and Greenstar i combi natural gas-fired boilers.
- ▶ Recognised under SAP and Green Deal as an energy saving technology.



Greenstar Low Loss Header

Part no. 7 716 192 614

Ready-made solution for the connection of two Greenstar system or regular boilers on a sealed heating system with a combined output of up to 70kW.



Vertical Pre-piping Assembly Kits

Part no. 7 716 192 607 (8000 Lifestyle Combi and System)

Part no. 7 716 192 713* (CDi Compact, Si Compact, Greenstar i, 27i System & 30i System)

Pre-bent and pipes have swaged-ends for easy soldering. This will save you approximately 30 minutes on installation time.

Earth Bonding Strip**

Part no. 7 716 192 686

Looks neater and saves up to 20 minutes on installation compared with fitting separate earth bonding tags to each pipe.

*27i System and 30i System includes two 15mm copper pipes for use with an optional diverter valve. **Comes as standard with Greenstar 8000 Lifestyle.

Heating System Care Packs



Wireless Bosch EasyControl (white) RF Heating System Care Pack

Part no. 7 733 600 433

- ▶ Bosch EasyControl (white) & Key
- ▶ EasyControl Table Stand
- ▶ Greenstar System Filter (22mm)
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

Suitable for our Greenstar 8000 Lifestyle.



Greenstar Comfort+ II RF Heating System Care Pack

Part no. 7 733 600 423

- ▶ Greenstar Comfort+ II RF Wireless Programmer & Key
- ▶ Greenstar System Filter (22mm)
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

Suitable for our Greenstar 8000 Lifestyle.



Wireless Bosch EasyControl (black) RF Heating System Care Pack

Part no. 7 733 600 443

- ▶ Bosch EasyControl (black) & Key
- ▶ EasyControl Table Stand
- ▶ Greenstar System Filter (22mm)
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

Suitable for our Greenstar 8000 Lifestyle.



Greenstar Comfort II RF Heating System Care Pack

Part no. 7 733 601 214

- ▶ Greenstar Comfort + II RF Wireless Programmer & Key
- ▶ Greenstar Mini System Filter (22mm)
- ▶ Worcester Keyless Filling Link
- ▶ Worcester Bosch WB1 Inhibitor 500ml Bottle
- ▶ Worcester Bosch WB3 Cleaner 500ml Bottle

Suitable for our Greenstar CDi and Si Compact, as well as our Greenstar i.

See pages 54-57 for additional accessories needed with our controls when fitted with our regular and system boilers.



**Collect 10 Greenstar Rewards
points per installation**

Accessories' compatibility

			GAS-FIRED BOILERS													
			COMBI						SYSTEM				REGULAR			
			8000 LIFE AND 8000 STYLE	CDi COMPACT	Si COMPACT	GREENSTAR i	WORCESTER 2000	HIGHFLOW CDi	8000 LIFE AND 8000 STYLE	27i SYSTEM AND 30i SYSTEM	9i SYSTEM – 24i SYSTEM	GB162	8000 LIFE	27Ri AND 30Ri	9Ri – 24Ri	FS CDi REGULAR
ACCESSORY	PART NO.															
Worcester CondenseSure	7 716 192 746			✓	✓			✓		✓				✓	✓	
Greenstar System Filter (22mm mini)	7 733 600 266		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Greenstar System Filter (22mm)	7 733 600 236		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Greenstar System Filter (28mm)	7 733 600 237		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓ ¹	✓	✓	✓	✓
Greenstar System Filter (22mm brass)	7 733 600 476		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Worcester Keyless Filling Link#	7 716 192 610		✓ [#]	✓	✓	✓	✓									
Greenstar Intelligent Filling System	7 738 112 911		✓													
Greenstar Xtra FGHR Unit	7 736 900 525			✓	✓	✓										
Greenstar Low Loss Header	7 716 192 614		✓						✓	✓	✓		✓	✓	✓	✓
DHW Solar Pre-heat Accessory (CDi Compact)	7 716 192 735			✓												
DHW Solar Pre-heat Accessory (8000 Lifestyle)	7 738 113 072		✓													
KITS AND EARTH BONDING STRIP																
Vertical pre-piping assembly kit	7 716 192 607		✓						✓							
Vertical pre-piping assembly kit*	7 716 192 713			✓	✓	✓				✓						
Earth Bonding Strip**	7 716 192 686		✓**	✓	✓			✓**	✓**	✓	✓					
Remote PRV Kit	7 716 161 071					✓				✓	✓					
Remote PRV Kit (8000 Lifestyle)	7 738 112 910		✓						✓							

*Greenstar 27i System and Greenstar 30i System includes two 15mm copper pipes for use with an optional diverter valve.

**Comes as standard with Greenstar 8000 Lifestyle and Greenstar Highflow CDi.

#Comes as standard with Greenstar 8000 Lifestyle combi.

¹ GB162 65kW only.

Greenstore unvented cylinder series



- ▶ Manufactured within the Bosch Group.
- ▶ Stainless steel cylinder (providing a 25 year guarantee*).
- ▶ Unvented, providing mains pressure hot water.
- ▶ For use with Worcester system and regular boilers.
- ▶ Comprehensive accessory and fittings pack.
- ▶ WRAS and WRC-NSF approved.
- ▶ 65mm of factory-fitted insulation producing low stand-by heat loss.
- ▶ Multiple sensor/thermostat pockets allowing flexible and easy system integration with control solutions.



Collect 10 Greenstar Rewards points per installation

*Terms and conditions apply.

Dimensions and dry weights

DIAMETER (MM)	HEIGHT (MM)	WEIGHT DRY (KG)	PART NO.
GREENSTORE SC-90 CYLINDER			
570	835	26	7 716 842 027
GREENSTORE SC-120 CYLINDER			
570	1,024	34	7 716 842 552
GREENSTORE SC-150 CYLINDER			
570	1,275	39	7 716 842 553
GREENSTORE SC-180 CYLINDER			
570	1,479	44	7 716 842 554
GREENSTORE SC-210 CYLINDER			
570	1,654	48	7 716 842 555
GREENSTORE SC-250 CYLINDER			
570	1,849	52	7 716 842 556
GREENSTORE SC-300 CYLINDER			
570	2,144	59	7 716 842 557

Volumes and efficiencies

VOLUME DOMESTIC HOT WATER (LITRES)	STANDING HEAT LOSS – 24HR (kWh/24HRS)	ERP ENERGY EFFICIENCY CLASS/STANDING HEAT LOSS (W)
GREENSTORE SC-90 CYLINDER		
93	1.008	B / 42
GREENSTORE SC-120 CYLINDER		
123	0.968	B / 40
GREENSTORE SC-150 CYLINDER		
161	1.200	B / 50
GREENSTORE SC-180 CYLINDER		
191	1.368	B / 57
GREENSTORE SC-210 CYLINDER		
216	1.496	B / 62
GREENSTORE SC-250 CYLINDER		
246	1.637	C / 68
GREENSTORE SC-300 CYLINDER		
292	1.824	C / 76

Greenstore solar compatible unvented cylinder series



- ▶ Manufactured within the Bosch Group.
- ▶ Stainless steel cylinder (providing a 25 year guarantee*).
- ▶ Unvented, providing mains pressure hot water.
- ▶ Twin-coil for use with two fossil fuel appliances or one fossil fuel appliance and one solar installation.
- ▶ Comprehensive accessory and fittings pack.
- ▶ WRAS and WRC-NSF approved.
- ▶ 65mm of factory-fitted insulation producing low stand-by heat loss.
- ▶ Multiple sensor/thermostat pockets allowing flexible and easy system integration with control solutions.
- ▶ Dedicated solar volume in accordance with MCS scheme.

Dimensions and dry weights

DIAMETER (MM)	HEIGHT (MM)	WEIGHT DRY (KG)	PART NO.
GREENSTORE TC-150 CYLINDER			
570	1,285	41	7 716 842 040
GREENSTORE TC-180 CYLINDER			
570	1,479	49	7 716 842 559
GREENSTORE TC-210 CYLINDER			
570	1,654	53	7 716 842 560
GREENSTORE TC-250 CYLINDER			
570	1,849	57	7 716 842 561
GREENSTORE TC-300 CYLINDER			
570	2,144	64	7 716 842 562

Volumes and efficiencies

VOLUME DOMESTIC HOT WATER (LITRES)	DEDICATED SOLAR VOLUME (LITRES)	STANDING HEAT LOSS PERFORMANCE (kWh/24HRS)	ERP ENERGY EFFICIENCY CLASS/ STANDING HEAT LOSS (W)
GREENSTORE TC-150 CYLINDER			
157	65	1.632	C / 68
GREENSTORE TC-180 CYLINDER			
187	65	1.368	B / 57
GREENSTORE TC-210 CYLINDER			
211	105	1.496	B / 62
GREENSTORE TC-250 CYLINDER			
241	115	1.637	C / 68
GREENSTORE TC-300 CYLINDER			
287	115	1.824	C / 76

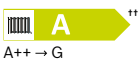


Collect 10 Greenstar Rewards points per installation

*Terms and conditions apply.

Wall mounted condensing heat only boilers

GB162 Commercial boiler series



DIMENSIONS	
Width	520mm
Height	1,329mm [†]
Depth	465mm
CLEARANCES	
Above flue	40mm
Left	0mm
Right	0mm
Below	350mm
Front	50mm*

^{**}ErP only relevant to 50kW and 65kW models.

*50mm from a removable cupboard door, 550mm from a fixed surface for servicing. Same clearances for ventilated and unventilated compartments.
[†]Height with pump group. Cascade options are available up to 1.6MW.
For further information contact our sales team.

Models and outputs

CH OUTPUT (kW)	PART NO.	LPG CONVERSION KITS
GB162 50kW		
14.3 to 49.9	NG 7 736 701 038	7 736 701 533
GB162 65kW		
14.3 to 69.5	NG 7 736 701 035	7 736 701 528
GB162 85kW		
20.8 to 84.5	NG 7 736 701 036	7 736 701 539
GB162 100kW		
20.8 to 99.5	NG 7 736 701 037	7 736 701 540

Required accessories – single boiler installation

PART NO.	DESCRIPTION	BOILER			
		50kW	65kW	85kW	100kW
7 736 701 389	Modulating pump group – low energy	✓	✓	✓	✓
5 584 552	Connection set [^]	✓	✓	✓	✓
89 200 972	Low loss header c/w insulation	•	•	◆	◆
7 738 110 140	MM100 Low Loss Header Module	•	•	•	•

✓ Required • Optional ◆ Recommended

GB162 boilers may not be installed on open vented systems, however, a plate heat exchanger may be installed to hydraulically separate the primary and secondary sides of the system. [^]Required when boiler is wall hung.

Flue lengths

MAXIMUM FLUE LENGTHS INC. TERMINAL (MM)					
DIAMETER	DIRECTION	50kW	65kW	85kW	100kW
80/125mm	Horizontal	7,700	7,700	N/A	N/A
	Vertical	7,700	7,700	N/A	N/A
100/150mm	Horizontal	20,000	20,000	18,000	18,000
	Vertical	20,000	20,000	18,000	18,000

Note: 80/125mm: 50kW and 65kW – for every 90° flue bend deduct 1,900mm, for every 45° flue bend deduct 900mm.
Note: 100/150mm: 50, 65, 85 and 100kW – for every 90° flue bend deduct 2,100mm, for every 45° flue bend deduct 1,200mm.

Horizontal and vertical fluing options

COMPONENTS	PART NO.	DESCRIPTION
80/125MM DIAMETER		
	7 716 191 116	Horizontal flue kit
	7 716 191 115	Vertical flue kit
	7 716 191 118	1m flue extension (cutable)
	7 716 191 117	0.5m flue extension (cutable)
	7 716 191 119	90° bend
	7 716 191 120	45° bends (pair)
	T 000 082 131	Flue support bracket (3 pack)
	7 716 191 090	Flat roof flashing
	7 716 191 091	Pitched roof flashing

100/150MM DIAMETER		
	7 716 191 094	Horizontal flue kit
	7 716 191 093	Vertical flue kit
	7 716 191 096	1m flue extension (cutable)
	7 716 191 097	1m flue extension (non-cutable)
	7 716 191 095	0.5m flue extension (cutable)
	7 716 191 098	90° bend
	7 716 191 099	45° bends (pair)
	7 746 901 750	Adaptor (GB162 50kW & 65kW only)
	7 716 191 102	Flue support bracket (3 pack)
	7 716 191 103	Clamp with EPDM seal
	7 716 191 101	Flat roof flashing
	7 716 191 100	Pitched roof flashing

GB commercial plate heat exchangers



The GB commercial plate heat exchangers allow GB162 boilers to be fitted on an open-vented system.

The plate heat exchanger separates the primary (boiler) and secondary (heating system), therefore protecting the boiler's heat exchanger from system water by effectively creating its own sealed system.

The plate heat exchanger can also be used to provide boiler protection when installing within an old, sealed secondary system. System cleansing is still recommended.

The plate heat exchanger is sized on the basis of a boiler ΔT of 20°C and a system ΔT of 11°C.

Features and benefits

- ▶ Enhanced reliability and efficiency.
- ▶ Improved installation flexibility.
- ▶ Time saving when designing the heating system and easy to specify.

GB162	PART NO.
50kW	7 733 600 013
65kW	7 733 600 014
80-100kW	7 733 600 016
101-140kW	7 733 600 017
141-180kW	7 733 600 018
181-230kW	7 733 600 020
231-280kW	7 733 600 021
281-400kW	7 733 600 023
401-520kW	7 733 600 024
521-640kW	7 733 600 026
641-800kW	7 733 600 027

Bosch Commercial and Industrial

Offering a broad portfolio that covers all heating and cooling requirements

Expand your business with Bosch Commercial and Industrial

The products and support services you can access gives you the chance to expand your business offering and provide installations for:

- ▶ Large domestic properties.
- ▶ Hotels, guest houses and holiday parks.
- ▶ Sports and leisure centres.
- ▶ Education and healthcare facilities.
- ▶ Mini district heating schemes.
- ▶ And many more.



Heating and hot water solutions




- ▶ Gas- or oil-fired boilers with individual outputs from 50kW to 38,000kW and standard efficiencies of up to 109%.
- ▶ Compact condensing multi-boiler cascade systems of wall-mounted boilers (400kW in just 1m²).
- ▶ Heat Interface Units with hot water flow rates of 15 l/min and 21 l/min.
- ▶ Combined heat and power (CHP) modules with outputs ranging from 12kW_e to 2MW_e.


RAC air conditioning solutions



- ▶ Suitable for new installations in domestic and small commercial properties.
- ▶ Can save up to 40% over a conventional system.
- ▶ 5 year parts and labour warranty.

For more information please call **0330 123 3004**
or visit **bosch-industrial.co.uk**

 Bosch Commercial and Industrial UK

 @BoschHeating_UK

Industry training courses

For more details on classroom, industry and online courses visit our website at worcester-bosch.co.uk/training or call **0330 123 0166**.

INDUSTRY FOCUSED COURSES
Basic Electrics for Heating Engineers
Chemical Water Treatment
QCF Gas Safety Awareness
WRAS Water Regulations
Unvented Hot Water Systems and Safety Training and Assessment
Adey's Best Practice Water Treatment

ACS QUALIFICATION COURSES
Commercial ACS Training and Assessment
Domestic ACS Reassessment
LPG Changeover Training and Assessment



Product training courses

GAS BOILER COURSES
Specification Levels 1-2
Installation and Commissioning
Service and Maintenance
Fault Finding and Repair Levels 1-3
Legacy Service and Repair
8000 Lifestyle
Worcester 2000

OIL BOILER COURSES
Advanced Oil Fault Finding Training Course
Greenstar Oil Training Course
OFTEC 10-101, 10-105E & 10-600A
OFTEC 101, 105E & 600A
OFTEC 50

RENEWABLE COURSES
Greenskies Solar Hot Water System Training Course
Greensource Air to Air Heat Pump Training Course
Greenstore LECP Ground Source Heat Pump Training Course

COMMERCIAL COURSES
GB162 Training Course
Heat Interface Unit (HIU) Training Course

The boiler redesigned



worcester-bosch.do.uk

The guarantee redefined

We've listened to your feedback and, from 1st January, we are backing you and our boilers with our best ever guarantees.

Our simplified guarantees are just the first in a series of initiatives that will make recommending our boilers easier and more rewarding.

	Worcester Installers	
	Standard Guarantee	With any Greenstar System Filter
8000 Lifestyle	8 YEAR Guarantee	10 YEAR Guarantee
CDi & Si Compact i Ri	7 YEAR Guarantee	8 YEAR Guarantee
Worcester 2000	5 YEAR Guarantee	6 YEAR Guarantee

Terms and conditions apply.

Useful contacts

Service Enquiries

Tel: 0330 123 9559 Email: service.mailbox@uk.bosch.com

Sales

Tel: 0330 123 9669

Spare Parts

Tel: 0330 123 9779

Technical Helpline (Pre & Post Sales)

Tel: 0330 123 3366 Email: technical-advice@uk.bosch.com

Controls Helpline

Tel: 0330 123 3641

Training

Tel: 0330 123 0166

Literature

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