

Oil-fired boiler range
Product Guide 2022



 **WORCESTER**

 **BOSCH**

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Worcester Installers (non-WAIs)			
	Standard Guarantee	With any Greenstar System Filter	With any Greenstar System Filter + £150*
Heatslave II Danesmoor			

















Terms and conditions apply. *Excelerate members, who are non-Worcester Accredited Installers, can achieve these guarantee lengths with an additional £150 payment to Bosch Thermotechnology Ltd. via their Excelerate account after the boiler has been registered.

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Floor standing internal boilers – flue components






COMPONENTS	PART NO.	DESCRIPTION
125MM DIAMETER		
	7 716 190 064	Standard telescopic flue kit (460 - 670mm)
	7 716 190 062	Short telescopic flue kit (360 - 460mm)
	7 731 600 218	Vertical flue kit (1,080mm)
	7 716 190 033	1,000mm extension (960mm)
	7 716 190 097	600mm extension
	7 716 190 034	90° flue bend
	7 716 190 035	45° flue bend (pair)
	7 716 190 105	Infill plate kit (for high level horizontal flues)
	7 716 190 101	Flue damper
	7 716 191 090	Flashing – flat roof
	7 716 191 091	Flashing – pitched roof
	7 716 190 050	Flue terminal guard
	7 716 190 092	Plume management kit
	7 716 191 174	Support bracket kit

Greenstar Utility flue components –
suitable for 32/50 and 50/70 models




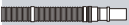




COMPONENTS	PART NO.	DESCRIPTION
150MM DIAMETER		
	7731 600 209	Standard horizontal flue kit (630mm)
	7731 600 210	Vertical BF kit (1,290mm)
	7 716 190 045	Flue extension (960mm)
	7 716 190 046	90° flue bend
	7 716 190 047	45° flue bend (pair)
	7 716 191 100	Flashing – pitched roof
	7 731 600 237	Stainless steel flue terminal guard

CONVENTIONAL FLUE		
	7 716 190 104	Conventional flue 80/100mm and 80/103mm adaptor kit**
	7 716 190 065	130mm adaptor**
	7 731 600 211	Conventional flue adaptor for 32/50 & 50/70 models

***Must be used on 12/18 & 18/25 models when using third party conventional flue**

**Only required when using third party conventional flue on the 25/32 model and must be used with a conventional flue 80/100mm and 80/103mm adaptor kit (7 716 190 104)

*This conventional flue adaptor used for 12kW to 32kW range

OILFIT FLEXIBLE FLUE KIT		
	7 733 601 205	100mmØ Oilfit flexi flue kit (8m)
	7 733 601 206	100mmØ Oilfit flexi flue kit (12m)
	7 716 190 068*	Telescopic extension
	7 716 190 066*	1,000mm extension kit
	7 716 190 067*	500mm extension kit
	7 716 190 069*	45° bend
	7 716 190 074	Wall cover plate kit

*Stainless steel

Plume management

Condensfit II™ plume management system

Part numbers

80mm dia. plume management kit

Comprises:

1 x terminal bend

1 x extension 500mm





1 x outlet assembly

1 x clamp pack

7 716 190 092



Accessories

COMPONENTS	PART NO.	DESCRIPTION
80MM DIAMETER		
	7 716 190 092	Plume management kit
	7 716 190 093	1,000mm extension
	7 716 190 095	90° bend
	7 716 190 094	45° bend (pair)

For every 90° plume management kit bend deduct 1,000mm and 500mm for every 45° plume management kit bend.



Flue terminal positioning

1. Where a flue is terminated less than 600mm away from a projection above it and the projection consists of plastics or has a combustible or painted surface, then a heat shield of at least 750mm wide should be fitted.
2. If the lowest part of the terminal is less than 2m above the ground, balcony, flat roof or other place to which any person has access, the terminal should be protected by a guard.
3. Notwithstanding the dimensions given above, a terminal should not be sited closer than 300mm to combustible material. In the case of a thatched roof, double this separation distance should be provided. It is also advisable to treat the thatch with a fire retardant material and close wire in the vicinity of the flue.
4. It is essential that a flue or chimney does not pass through the roof within the shaded area delineated by dimensions Q and R.
5. Where protection is provided for plastic components, such as guttering, it is essential that this is to the standard specified by the manufacturer of the plastic components.

**Peel back page to reveal
Flue terminal positioning diagram**

Floor standing external boilers – flue components



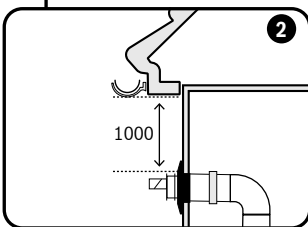
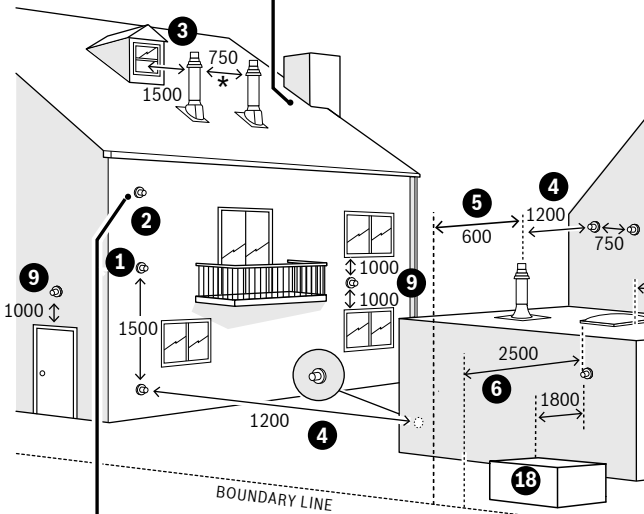
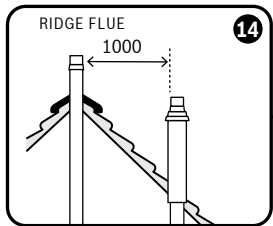
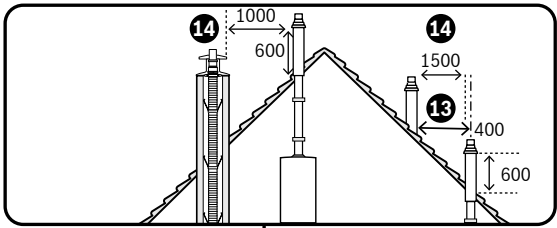
COMPONENTS	PART NO.	DESCRIPTION
125MM DIAMETER		
	7 716 190 034	Internal 90° flue bend (used inside boiler when fluing to side)
	7 716 190 050	Flue terminal guard

Key to illustration

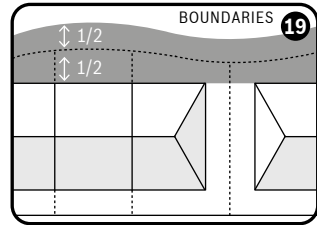
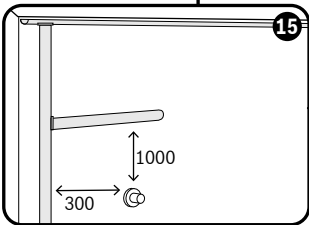
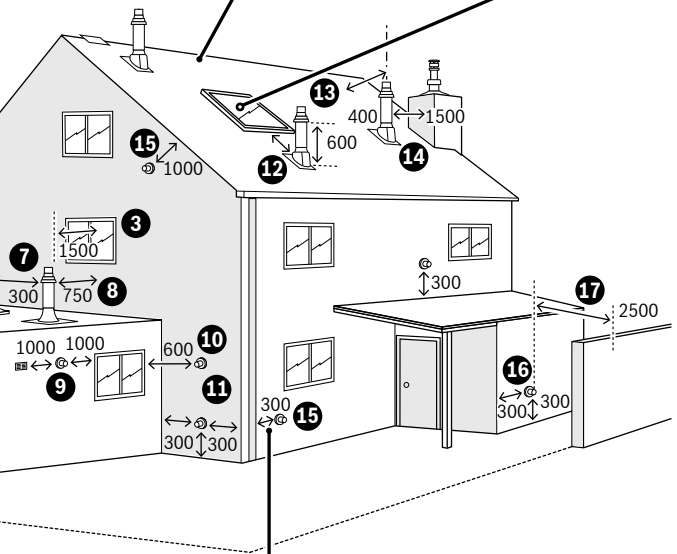
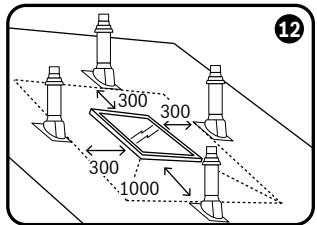
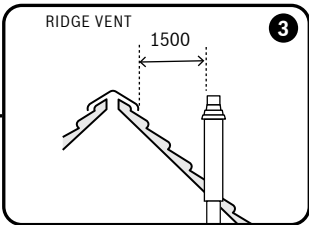
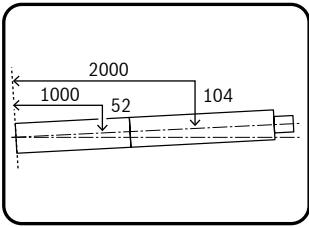
1. 1,500mm vertically between terminals on the same wall.
2. 1,000mm below eaves, gutters, pipes and drains. External telescopic flue joints must be sealed with suitable silicon sealant.
3. 1,500mm measured horizontally between a vertical flue terminal and a window, dormer window or opening.
4. 1,200mm between terminals facing each other.
5. Vertical flue clearance, 600mm adjacent to a boundary line unless it will cause a nuisance. BS 5410: Part 1 2014 recommends that care is taken when siting terminal in relation to boundary lines.
6. 2,500mm to a boundary line, unless it will cause a nuisance. It is recommended that care is taken when siting terminal in relation to boundary lines.
7. 300mm minimum clearance from a non opening skylight to a vertical flue.
8. Vertical flue clearance, 750mm to non-combustible building material, and 1,500mm clearance to combustible building material.
9. 1,000mm above, below and either side of an opening door, air vent or opening window. These clearances are required by BS 5410 Part 1:2014 to reduce a possible pluming nuisance, this could be reduced to 600mm if there was no pluming nuisance, seek guidance from the local authority building control.
10. 600mm diagonally to an opening door, air vent or opening window.
11. 300mm to an internal or external corner.
12. 1,000mm below a Velux window for a vertical flue, 300mm above or either side of the Velux window. The terminal must be at least 1,000mm from the Velux when measured horizontally.

Flue terminal positioning

All measurements in millimetres



*If there is more than 300mm height difference, then the distance between the vertical outlet should be 1,500mm.



13. The flue must extend at least 600mm above the roof and 400mm horizontally from a pitched roof or 500mm in regions with heavy snow fall.
14. 1,500mm clearance to any vertical structure on a roof or room sealed flue that has a height difference of more than 300mm.
15. 1,000mm below eaves and gutters and sanitary pipe and 300mm from vertical sanitary pipes and drains.
16. Flue clearance must be at least 300mm from the ground. Terminal guards must be fitted if the flue is less than 2 metres from the ground or if a person could come into contact with the flue terminal.
17. 2,500mm to a surface facing a terminal, but must not be installed where it will cause a nuisance.
18. Terminals must be at least 1,800mm from an oil storage tank unless a wall with of at least 30 minutes fire resistance and extending 300mm wider and higher than the tank is between the tank and the terminal.
19. For the purpose of determining suitable flue terminal positions for the 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.

Plume management

Plume management kits are available for 125mm horizontally terminated flues. Please refer to the installation instructions supplied with the plume management kits.

For more information on Worcester's plume management options, including reduced flue terminal clearances, please read the flue manual.

Floor standing condensing combi boilers

Greenstar Heatslave II series



A++ → G



A → G

DIMENSIONS

Width	520mm
Height	855mm
Depth	600mm

CLEARANCES

Above	300mm [^]
Left	5mm
Right	5mm
Front	600mm

[^]Note: Although clearance above the Heatslave range is stated to be 300mm, a removable worktop may be placed directly above the boiler, allowing 10mm clearance.

Models and outputs

BOILER OUTPUT (kW)	FLOW RATE (L/MIN)*	PART NO.
GREENSTAR HEATSLAVE II 12/18		
12 to 18	15 [†]	7 731 600 260
GREENSTAR HEATSLAVE II 18/25		
18 to 25	18 [†]	7 731 600 261
GREENSTAR HEATSLAVE II 25/32		
25 to 32	22 [†]	7 731 600 262

*Maximum flow rate to produce a 40°C temperature rise over a 90l draw off.

[†]Restricted DHW flow rate.



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	DIRECTION	12/18	18/25	25/32
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 4.

Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY	WATER HEATING ENERGY EFFICIENCY
GREENSTAR HEATSLAVE II 12/18				
124kg	A / 92%	B	89.0%	64.0%
GREENSTAR HEATSLAVE II 18/25				
126kg	A / 92%	B	88.9%	61.0%
GREENSTAR HEATSLAVE II 25/32				
128kg	A / 92%	B	88.8%	62.0%



For details of compatible controls see page 37. See page 38 for relevant accessories.



You can offer up to a 7 year guarantee, when installed with any Greenstar System Filter*. See page 2 for more information.

*Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Floor standing condensing external combi boilers

Greenstar Heatslave II External series



A++ → G



A → G

DIMENSIONS

Width	640mm
Height	950mm
Depth	770mm

CLEARANCES

Above	600mm
RH/LH flue outlet on opposite side	10mm
RH flue outlet on rear	85mm
LH flue outlet on rear	10mm
Rear = flue outlet on side	150mm
Rear = rear flue outlet	2,500mm
Front	600mm

It is strongly recommended that the flue terminal faces away from walls to reduce the possibility of wetting occurring.

Models and outputs

BOILER OUTPUT (kW)	FLOW RATE (L/MIN)*	PART NO.
GREENSTAR HEATSLAVE II EXTERNAL 12/18		
12 to 18	15*	7 731 600 263
GREENSTAR HEATSLAVE II EXTERNAL 18/25		
18 to 25	18*	7 731 600 264
GREENSTAR HEATSLAVE II EXTERNAL 25/32		
25 to 32	22*	7 731 600 265

*Maximum flow rate to produce a 40°C temperature rise over a 90l draw off.

*Restricted DHW flow rate.



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	EXTERNAL KIT	12/18	18/25	25/32
80mm	Plume management	5,000	5,000	5,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.

Boiler comes with standard horizontal flue kit. A 90° bend is required when fluing to the side.



For details of flue components see page 8.

Model weights and efficiencies

WEIGHT - LIFT	ERP SPACE HEATING EFFICIENCY CLASS	ERP WATER HEATING EFFICIENCY CLASS†	SAP EFFICIENCY	WATER HEATING ENERGY EFFICIENCY
GREENSTAR HEATSLAVE II EXTERNAL 12/18				
151kg	A / 92%	B	89.0%	64.0%
GREENSTAR HEATSLAVE II EXTERNAL 18/25				
154kg	A / 92%	B	88.9%	61.0%
GREENSTAR HEATSLAVE II EXTERNAL 25/32				
158kg	A / 92%	B	88.8%	62.0%



For details of compatible controls see page 37. See page 38 for relevant accessories.



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Floor standing condensing system boilers

Greenstar Danesmoor System series



A++ → G

DIMENSIONS	
Width	370mm
Height	855mm
Depth	600mm
CLEARANCES	
Above (annual service)	10mm
Above (maintenance & repair)	300mm
Left	5mm
Right	5mm
Front	600mm

The appliance is suitable for an under-worktop installation providing that the worktop above the boiler (min. 10mm clearance) is removable for maintenance and repair.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR DANESMOOR SYSTEM 12/18	
12 to 18	7 731 600 251
GREENSTAR DANESMOOR SYSTEM 18/25	
18 to 25	7 731 600 252
GREENSTAR DANESMOOR SYSTEM 25/32	
25 to 32	7 731 600 253



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	DIRECTION	12/18	18/25	25/32
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when updated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY 2009
GREENSTAR DANESMOOR SYSTEM 12/18		
111kg	A / 92%	90.7%
GREENSTAR DANESMOOR SYSTEM 18/25		
112kg	A / 92%	90.6%
GREENSTAR DANESMOOR SYSTEM 25/32		
121kg	A / 92%	90.5%



For details of compatible controls see page 37. See page 38 for relevant accessories.



You can offer up to a 7 year guarantee, when installed with any Greenstar System Filter*. See page 2 for more information.

*Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Floor standing condensing utility system boilers

Greenstar Danesmoor System Utility series



A+++ → G

DIMENSIONS	
Width	370mm
Height	855mm
Depth	600mm
CLEARANCES	
Above (annual service)	10mm
Above (maintenance & repair)	300mm
Left	5mm
Right	5mm
Front	600mm

The appliance is suitable for an under-worktop installation providing that the worktop above the boiler (min. 10mm clearance) is removable for maintenance and repair.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR DANESMOOR SYSTEM UTILITY 12/18	
12 to 18	7 731 600 254
GREENSTAR DANESMOOR SYSTEM UTILITY 18/25	
18 to 25	7 731 600 255
GREENSTAR DANESMOOR SYSTEM UTILITY 25/32	
25 to 32	7 731 600 256



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	DIRECTION	12/18	18/25	25/32
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY
GREENSTAR DANESMOOR SYSTEM UTILITY 12/18		
111kg	A / 92%	90.7%
GREENSTAR DANESMOOR SYSTEM UTILITY 18/25		
112kg	A / 92%	90.6%
GREENSTAR DANESMOOR SYSTEM UTILITY 25/32		
121kg	A / 92%	90.5%



See page 38 for relevant accessories.



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Floor standing condensing external system boilers

Greenstar Danesmoor System External series



DIMENSIONS			
Width	565mm		
Height	950mm		
Depth	780mm		
CLEARANCES (FLUE ORIENTATION FROM FRONT)			
	Right	Left	Rear
Left	10mm	2,500mm [^]	85mm
Right	2,500mm	10mm	45mm
Rear	50mm ^{**}	50mm ^{**}	2,500mm ^{**}
Above	600mm	600mm	600mm
Front	600mm	600mm	600mm

[^]From end of flue terminal allow 2,500mm clearance.

^{**}200mm if using a high level terminal exiting through the rear panel.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR DANESMOOR SYSTEM EXTERNAL 12/18	
12 to 18	7 731 600 257
GREENSTAR DANESMOOR SYSTEM EXTERNAL 18/25	
18 to 25	7 731 600 258
GREENSTAR DANESMOOR SYSTEM EXTERNAL 25/32	
25 to 32	7 731 600 259



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	EXTERNAL KIT	12/18	18/25	25/32
80mm	Plume management	5,000	5,000	5,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 8.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY
GREENSTAR DANESMOOR SYSTEM EXTERNAL 12/18		
119kg	A / 92%	90.7%
GREENSTAR DANESMOOR SYSTEM EXTERNAL 18/25		
121kg	A / 92%	90.6%
GREENSTAR DANESMOOR SYSTEM EXTERNAL 25/32		
131kg	A / 92%	90.5%



See page 38 for relevant accessories.



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Floor standing condensing regular boilers

Greenstar Danesmoor regular series



A++ → G

DIMENSIONS	
Width	370mm
Height	855mm
Depth	600mm
CLEARANCES	
Above (annual service)	10mm
Above (maintenance & repair)	300mm
Left	5mm
Right	5mm
Front	600mm

The appliance is suitable for an under-worktop installation providing that the worktop above the boiler (min. 10mm clearance) is removable for maintenance and repair.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR DANESMOOR 12/18	
12 to 18	7 731 600 242
GREENSTAR DANESMOOR 18/25	
18 to 25	7 731 600 243
GREENSTAR DANESMOOR 25/32	
25 to 32	7 731 600 244



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	DIRECTION	12/18	18/25	25/32
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 32kW model.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY
GREENSTAR DANESMOOR 12/18		
104kg	A / 92%	90.7%
GREENSTAR DANESMOOR 18/25		
108kg	A / 92%	90.6%
GREENSTAR DANESMOOR 25/32		
114kg	A / 92%	90.5%



For details of compatible controls see page 37. See page 38 for relevant accessories.



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*Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Floor standing condensing regular utility boilers

Greenstar Danesmoor Utility regular series



A+++ → G

DIMENSIONS	
Width	370mm
Height	855mm
Depth	600mm
CLEARANCES	
Above (annual service)	10mm
Above (maintenance & repair)	300mm
Left	5mm
Right	5mm
Front	600mm

The appliance is suitable for an under-worktop installation providing that the worktop above the boiler (min. 10mm clearance) is removable for maintenance and repair.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR DANESMOOR UTILITY 12/18	
12 to 18	7 731 600 245
GREENSTAR DANESMOOR UTILITY 18/25	
18 to 25	7 731 600 246
GREENSTAR DANESMOOR UTILITY 25/32	
25 to 32	7 731 600 247



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	DIRECTION	12/18	18/25	25/32
125mm	High level horizontal	6,000	6,000	6,000
	Rear exit horizontal	6,000	6,000	6,000
	Side exit horizontal	5,000	5,000	5,000
	Vertical	8,000	8,000	8,000
80mm	Plume management	5,000	5,000	4,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY
GREENSTAR DANESMOOR UTILITY 12/18		
104kg	A / 92%	90.7%
GREENSTAR DANESMOOR UTILITY 18/25		
108kg	A / 92%	90.6%
GREENSTAR DANESMOOR UTILITY 25/32		
108kg	A / 92%	90.5%



See page 38 for relevant accessories.



You can offer up to a 7 year guarantee, when installed with any Greenstar System Filter*. See page 2 for more information.

*Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Floor standing condensing external regular boilers

Greenstar Danesmoor External regular series



A

A++ → G

DIMENSIONS

Width	565mm
Height	950mm
Depth	780mm

CLEARANCES (FLUE ORIENTATION FROM FRONT)

	Right	Left	Rear
Left	10mm	2,500mm [^]	85mm
Right	2,500mm	10mm	45mm
Rear	50mm ^{**}	50mm ^{**}	2,500mm [^]
Above	600mm	600mm	600mm
Front	600mm	600mm	600mm

[^]From end of flue terminal allow 2,500mm clearance.

^{**}200mm if using a high level terminal exiting through the rear panel.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR DANESMOOR EXTERNAL 12/18	
12 to 18	7 731 600 248
GREENSTAR DANESMOOR EXTERNAL 18/25	
18 to 25	7 731 600 249
GREENSTAR DANESMOOR EXTERNAL 25/32	
25 to 32	7 731 600 250



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)				
DIAMETER	EXTERNAL KIT	12/18	18/25	25/32
80mm	Plume management	5,000	5,000	5,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend. For every 90° plume kit bend deduct 1,000mm and 500mm for every 45° plume kit bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 8.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY
GREENSTAR DANESMOOR EXTERNAL 12/18		
99kg	A / 92%	90.7%
GREENSTAR DANESMOOR EXTERNAL 18/25		
102kg	A / 92%	90.6%
GREENSTAR DANESMOOR EXTERNAL 25/32		
106kg	A / 92%	90.5%



See page 38 for relevant accessories.



You can offer up to a 7 year guarantee, when installed with any Greenstar System Filter*. See page 2 for more information.

*Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Floor standing condensing regular utility boilers

Greenstar Utility regular series



A+++ → G

DIMENSIONS

Width	598mm
Height	1,098mm
Depth	795mm

CLEARANCES

Above	300mm [^]
Left	10mm
Right	10mm
Front	600mm

[^]Note: Although clearance above the Greenstar Utility range is stated to be 300mm, a removable worktop may be placed directly above the boiler, allowing 10mm clearance.

Models and outputs

BOILER OUTPUT (kW)	PART NO.
GREENSTAR UTILITY 32/50	
32 to 50	7 731 600 266
GREENSTAR UTILITY 50/70	
50 to 70	7 731 600 267



Collect loyalty points
per installation

Flue lengths

MAXIMUM FLUE LENGTHS (MM)			
DIAMETER	DIRECTION	32/50	50/70
150mm	High level horizontal	6,400	6,400
	Rear exit horizontal	6,400	6,400
	Side exit horizontal	4,400	5,400
	Vertical	10,000	10,000

Note: For every 90° flue bend deduct 1,000mm and 500mm for every 45° flue bend.

Flue damper (7 716 190 101) required on all lengths for all models except the 25/32kW model when uprated to 32kW. Flue damper only required for 32kW output when flue length is equal to or less than 4 metres.



For details of flue components see page 4.

Model weights and efficiencies

WEIGHT – LIFT	ERP SPACE HEATING EFFICIENCY CLASS	SAP EFFICIENCY
GREENSTAR UTILITY 32/50		
215kg	A / 91.0%	90.7%
GREENSTAR UTILITY 50/70		
220kg	A / 91.0%	90.5%



See page 38 for relevant accessories.



You can offer up to a 7 year guarantee, when installed with any Greenstar System Filter*. See page 2 for more information.

*Available to Excelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

Controls

To find out which Greenstar boilers are compatible with our range of optional plug-in controls, see page 37.

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 Adaptor

Part no. 7 736 701 560

- ▶ The adaptor 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 loyalty 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 7 year guarantee*. The guarantee of our EasyControl and Comfort range will match the Worcester Bosch boiler that it is installed with.

*When installed with a Greenstar oil boiler and Greenstar System Filter. See page 2 for more information. Available to Accelerate members only. Non-WAIs can achieve this extended guarantee length with an additional payment of £150. Terms and conditions apply.

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.

The Greenstar Comfort I RF and Greenstar Comfort II RF can be used with external combi boilers if they are hard wired and used with the Comfort Wall Plate Kit.

Other controls

Digital plug-in 7 day twin channel programmer

Part no. 7 716 192 033



- Plugs into the boiler fascia panel and offers 3 separate time periods for both heating and hot water.

Intelligent weather and load compensation controls

Outdoor weather sensor

(for use with internal and external models)

Part no. 7 716 192 764



- Monitors external temperatures to offer weather compensation in combination with the in-built heat curves of the Greenstar Heatslave II. For use with 230V controls. Not compatible with Worcester Comfort controls. To be used with a 230V programmer and room thermostat.

Controls compatibility

CONTROL	PART NO.
ALL GREENSTAR OIL BOILERS	
Bosch EasyControl (white)**	7 736 701 341
Bosch EasyControl (black)**	7 736 701 392
GREENSTAR HEATSLAVE II	
Comfort	7 733 600 003
Comfort I RF	7 733 600 001
Comfort II RF	7 733 600 002
Outdoor weather sensor*	7 716 192 764
GREENSTAR HEATSLAVE II EXTERNAL	
Comfort [†] (wall plate kit required)	7 733 600 003
Comfort I RF [†] (wall plate kit required)	7 733 600 001
Comfort II RF [†] (wall plate kit required)	7 733 600 002
Outdoor weather sensor*	7 716 192 764
GREENSTAR DANESMOOR	
Digital plug-in 7 day twin channel programmer	7 716 192 033

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

*Not compatible with Comfort controls.

[†]Use with Comfort Wall Plate Kit 7 733 600 039.

Accessories



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 loyalty points
per installation

Worcester CondenseSure (Suitable for internal oil boilers only)

Part no. 7 716 192 746



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

Greenstar Low Loss Header

Part no. 7 716 192 614



Suitable for Utility and Danesmoor internal boilers only, a 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.

Green Storage WB Range unvented cylinder series

Compliant with
Building Regulation
G3



- ▶ G3 kit included.
- ▶ Larger capacity cylinders compared to the previous range, with 7 variants from 90 up to 300 litres - all offering high flow rates.
- ▶ Can be installed with our system diverter valve kit.
- ▶ Rapid re-heat times with excellent levels of heat retention.
- ▶ Factory installed G3 temperature and pressure relief valve.
- ▶ Quiet operating cylinder - only 15db(A).
- ▶ 5 year guarantee on components*.
- ▶ 25 year guarantee on the stainless steel cylinder body*.
- ▶ Benchmark, Hot Water Association and Kiwa approved.



**Collect loyalty points
per installation**

*Terms and conditions apply.

Dimensions and dry weights

DIAMETER (MM)	HEIGHT (MM)	WEIGHT DRY (KG)	PART NO.
GREEN STORAGE WB UNVENTED 90			
550	745	30	7 733 601 298
GREEN STORAGE WB UNVENTED 120			
550	933	35	7 733 601 299
GREEN STORAGE WB UNVENTED 150			
550	1,120	35	7 733 601 300
GREEN STORAGE WB UNVENTED 180			
550	1,308	45	7 733 601 301
GREEN STORAGE WB UNVENTED 210			
550	1,496	50	7 733 601 302
GREEN STORAGE WB UNVENTED 250			
550	1,746	55	7 733 601 303
GREEN STORAGE WB UNVENTED 300			
550	2,055	60	7 733 601 304

Volumes and efficiencies

VOLUME DOMESTIC HOT WATER (LITRES)	STANDING HEAT LOSS – 24HR (kWh/24HRS)	ERP ENERGY EFFICIENCY CLASS/ STANDING HEAT LOSS (W)
GREEN STORAGE WB UNVENTED 90		
87.9	1.18	C / 49
GREEN STORAGE WB UNVENTED 120		
120.1	1.29	C / 54
GREEN STORAGE WB UNVENTED 150		
150.4	1.41	C / 59
GREEN STORAGE WB UNVENTED 180		
180.6	1.61	C / 67
GREEN STORAGE WB UNVENTED 210		
210.6	1.79	C / 75
GREEN STORAGE WB UNVENTED 250		
250.9	2.02	C / 84
GREEN STORAGE WB UNVENTED 300		
300.3	2.24	C / 93

Green Storage WB Range solar compatible unvented cylinder series

Compliant with
Building Regulation
G3



- ▶ G3 kit included.
- ▶ Larger capacity cylinders compared to the previous range, with 7 variants from 90 up to 300 litres - all offering high flow rates.
- ▶ Can be installed with our system diverter valve kit.
- ▶ Rapid re-heat times with excellent levels of heat retention.
- ▶ Factory installed G3 temperature and pressure relief valve.
- ▶ Quiet operating cylinder - only 15db(A)
- ▶ 5 year guarantee on components*.
- ▶ 25 year guarantee on the stainless steel cylinder body*.
- ▶ Benchmark, Hot Water Association and Kiwa approved.



**Collect loyalty points
per installation**

*Terms and conditions apply.

Dimensions and dry weights

DIAMETER (MM)	HEIGHT (MM)	WEIGHT DRY (KG)	PART NO.
GREEN STORAGE WB RANGE UNVENTED SOLAR 180			
550	1,308	60	7 733 601 306
GREEN STORAGE WB RANGE UNVENTED SOLAR 210			
550	1,496	65	7 733 601 307
GREEN STORAGE WB RANGE UNVENTED SOLAR 250			
550	1,746	70	7 733 601 308
GREEN STORAGE WB RANGE UNVENTED SOLAR 300			
550	2,055	75	7 733 601 309

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)
GREEN STORAGE WB RANGE UNVENTED SOLAR 180			
178	53.6	1.61	C / 67
GREEN STORAGE WB RANGE UNVENTED SOLAR 210			
204.6	51.8	1.79	C / 75
GREEN STORAGE WB RANGE UNVENTED SOLAR 250			
247	92.2	2.02	C / 84
GREEN STORAGE WB RANGE UNVENTED SOLAR 300			
295.6	79.3	2.24	C / 93

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.

Wall-hung commercial solutions



- ▶ Gas- or oil-fired boilers with individual outputs from 50kW to 800kW.
- ▶ Compact condensing multi-boiler cascade systems of wall-mounted boilers (400kW in just 1m²).
- ▶ Range of digital and smart controls, including our industry first internet-connected commercial heating control.
- ▶ Heat Interface Units with hot water flow rates of 15 l/min and 21 l/min.



BOSCH

Invented for life




Floor-Standing solutions




- ▶ Light-commercial, commercial and industrial boilers from 150kW to 38,000kW.
- ▶ Condens 7000 F floor-standing boiler, with outputs from 150kW to 600kW, requires no additional components such as a low loss header.

For more information please call **0330 123 3004**

or visit **bosch-industrial.co.uk**

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

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