

# One more puzzle solved.



## New: Greenstar FS Series.

Replacing a boiler with a high efficiency boiler?  
Wall boilers are not the only option!

The 95% AFUE Greenstar FS series is designed to upgrade cast iron floor boilers to a ultra-high efficient condensing boiler at lower installed cost by simplifying the installation.

### Greenstar FS Series:

- ▶ Footprint: Fits in the same footprint as an existing floor boiler, no added cost to build a wall or move the boiler to an outside wall
- ▶ Piping: Low loss header pre-piped “under-the-hood”, no need for primary/secondary piping, pipes just like the existing boiler
- ▶ Wiring: Connection boxes (both high & low voltage) conveniently located on the back of the boiler for quick and easy connection
- ▶ Venting: Options include 2” polypropylene (PP), flexible PP chimney liner, concentric PP kit, PVC or CPVC
- ▶ Control: Simplified control, no programming required (FW200 control sold separately)

### All Greenstar Models

- ▶ Broad BTU Range: Floor and Wall models with 95% AFUE and up to 5:1 modulation are available in 5 Heat-Only and 3 Combi sizes
- ▶ Simplified Installation: Integral pump is standard on all models
- ▶ Coated Heat Exchanger: Prevents scale build-up, reduces service, maintains high efficiency and extends the life of the boiler
- ▶ High DHW Output: Up to 4 GPM DHW output on combi models – based on  $\Delta T$  at 72°F. Large flat-plate heat exchanger allows for lower operating temperatures and larger  $\Delta T$  in DHW mode for higher efficiency and condensing operation
- ▶ Proven Reliability: Over 2 million Greenstar boilers sold worldwide



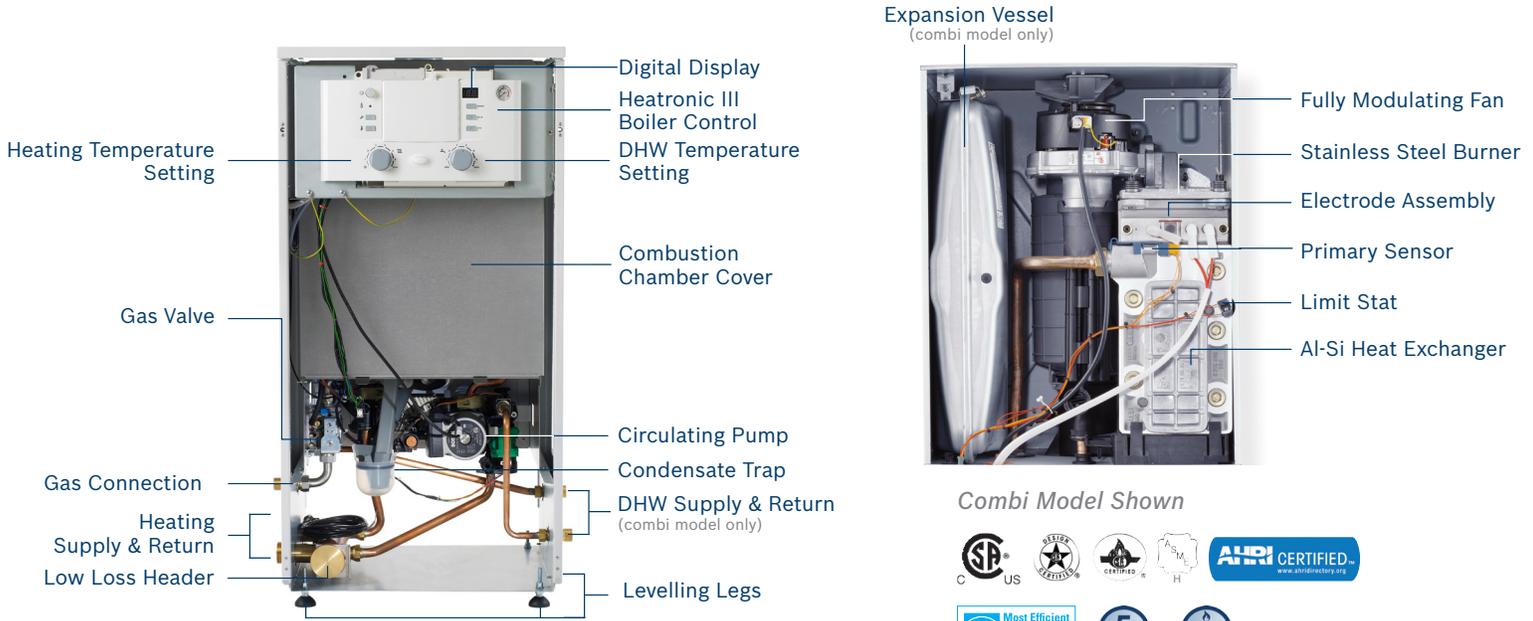
**BOSCH**

Invented for life

**Bosch Greenstar** – the world’s best selling condensing gas boiler – North America’s best value

# NEW: Greenstar FS Series

Floor standing Combi or Heat-only boiler specifically designed for the replacement boiler market.



## Quick Reference Specifications

Floor Standing Models	Heating & Tankless Hot Water			Heating*				
	Combi 100	Combi 131	Combi 151	57	79	100	131	151
Model Name	KWB28-3	KWB35-3	KWB42-3	KBR16-3	KBR21-3	KBR28-3	KBR35-3	KBR42-3
Part Number	7733600082	7733600083	7733600084	7733600077	7733600078	7733600079	7733600080	7733600081

Performance Specifications								
Fuel	NG / LP (LP conversion kit included)			NG / LP (LP conversion kit included)				
Input Maximum (MBH)	100.8	131.9	151.6	57.2	79.2	100.8	131.9	151.6
Input Minimum (MBH)	34.6	36.0	36.0	12.9	23.9	24.6	36.0	36.0
AFUE	95%	95%	95%	95%	95%	95%	95%	95%
DHW Flow Max (ΔT at 72°F), GPM	2.65	3.2	4.0	not applicable				
Boiler Weight & Dims (W X H x D)	136 lbs - 19 9/16" x 41" x 21 7/8"			132 lbs - 19 9/16" x 41" x 21 7/8"				
	Supply / Return Tappings - 1 1/4"			Gas Connection Size - 3/4"		Vent connection 3" PVC		
Domestic Water Supply	3/4"			not applicable				

\* Heat only Greenstar models may be used with indirect water tanks to provide domestic hot water.

## Venting Options

- ▶ 2" (50mm) or 3" (80 mm)
  - Twin pipe PVC / CPVC
  - M&G Duravent PolyPro & Centrotherm InnoFlue
    - ▶ Twin pipe PP
    - ▶ PP Flexible
- ▶ Concentric PP venting in a 3"/5" (80/125 mm) is available from Bosch

## Optional Control



The FW200 digital thermostat and outdoor reset boiler control is an optional accessory which enables the boiler to be operated more efficiently by allowing the user to optimize the heating system.

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