

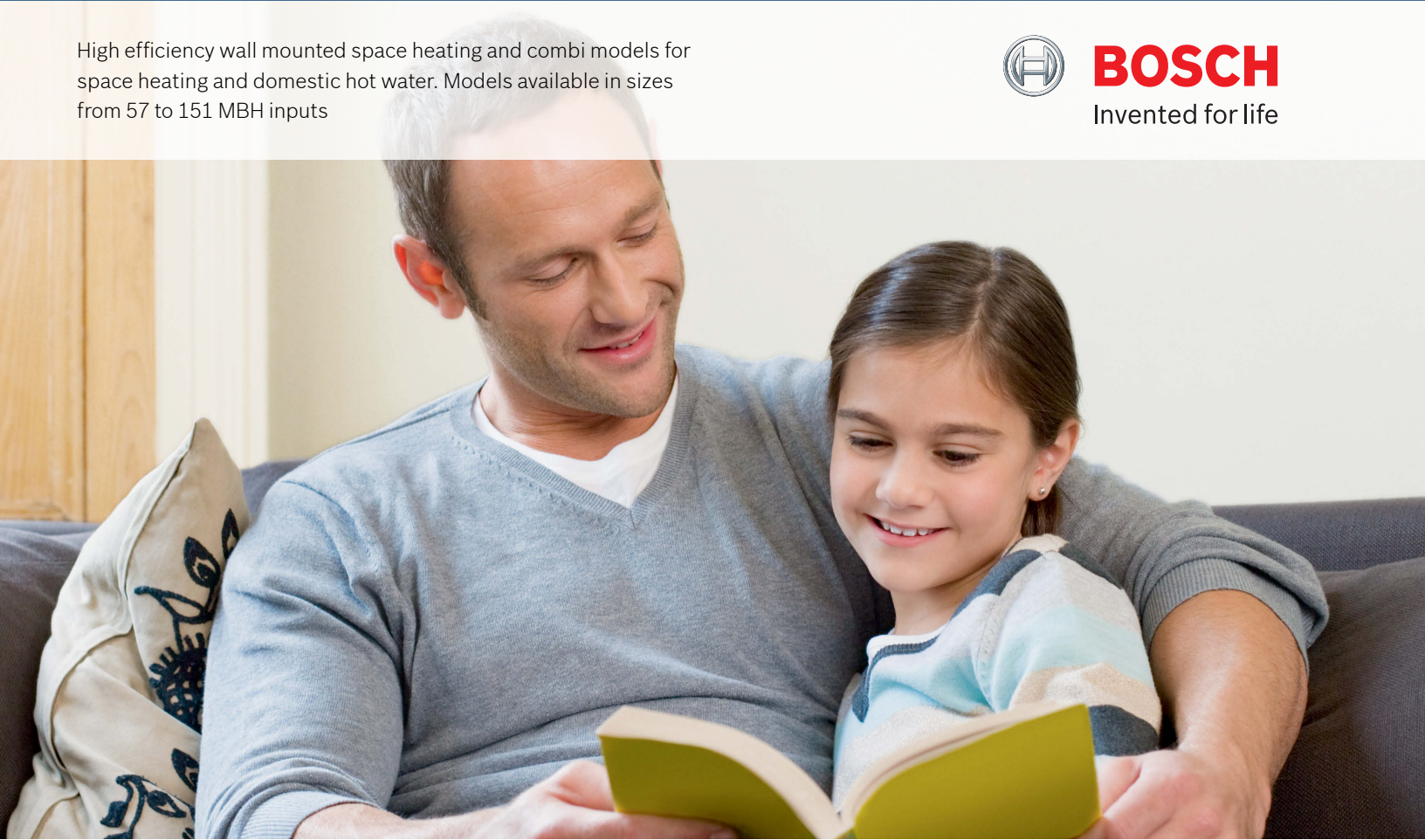
# Greenstar Condensing Boiler

## Efficient, Affordable, Home Comfort

High efficiency wall mounted space heating and combi models for space heating and domestic hot water. Models available in sizes from 57 to 151 MBH inputs



**BOSCH**  
Invented for life



### Upgrade to the latest, affordable heating technology.

The Greenstar boiler by Bosch is small in size but big in features. It is ultra quiet, space saving, environmentally friendly, uses modern condensing technology, and offers a superior industry warranty. All at a great price!

But more importantly it will keep your home warm and comfortable. Available in two models - heat only or a combi for heat and tankless water heating - the Greenstar is Bosch quality and innovation at its finest.



### Features

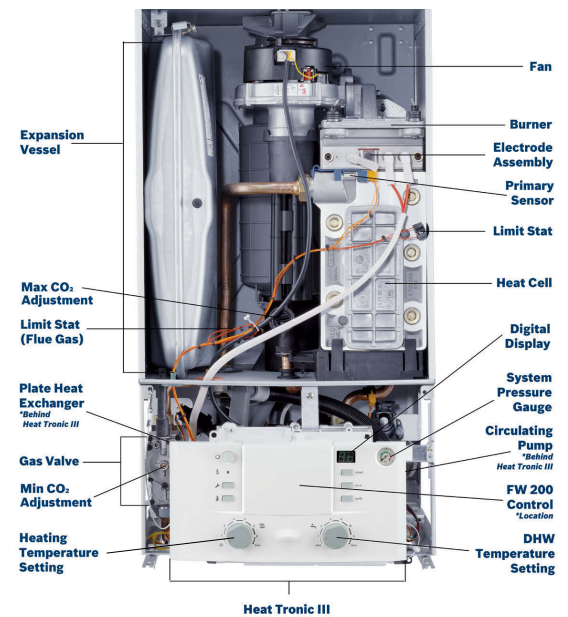
- ▶ Compact wall-mounted footprint
- ▶ Easy to install - hydronic manifold and integral pump makes installation quick and easy
- ▶ Fully modulating fan with 5 to 1 turndown for optimal combustion efficiency
- ▶ Combi models provide space heating & DHW flow rate up to 4gpm
- ▶ Superior warranty- limited lifetime heat exchanger and 5-year parts & labor<sup>§</sup>



<sup>§</sup> Copies of original warranties in their entirety are available at [www.bosch-climate.us](http://www.bosch-climate.us)

# Greenstar Condensing Boiler

- ▶ Two Models - space heating only, or combi-boiler for space heating and up to 4 GPM of tankless water heating.
- ▶ Ultra-efficient condensing technology - up to 98.7% with low temperature applications
- ▶ Vents with PVC piping
- ▶ Simple & intelligent control options available, optimizing boiler efficiency and fuel consumption
- ▶ All models feature ALSi heat exchanger, 3 speed Grundfos integrated pump, FW200 control, Heat-Tronic control, hydronic manifold bracket, and twin pipe flue adapter
- ▶ Limited lifetime heat exchanger warranty and limited 5-year parts & labor warranty<sup>§</sup>



	Space Heating + DHW		Space Heating Only			
	Greenstar Combi 100	Greenstar Combi 151	Greenstar 57	Greenstar 100	Greenstar 131	Greenstar 151
Model	ZWB28-3	ZWB42-3	ZBR16-3	ZBR28-3	ZBR35-3	ZBR42-3
Part Number	7738100002	7713331041	7712231416	7712231415	7712231414	7712231413
<b>Performance Specifications</b>						
Fuel	NG / LP	NG / LP	NG / LP	NG / LP	NG / LP	NG / LP
Input Maximum (MBH)	100.8	151.6	57.2	100.8	131.9	151.6
Input Minimum (MBH)	34.6	36	12.9	24.6	36	36
DOE Heating Capacity (MBH)	89.4	134.4	50.8	89.4	116.7	134.4
Net I=B=R (MBH)	79	117	45	79	103	117
AFUE	90%*					
Low Temp Application Efficiencies	98.9%	96.8%	98.7%	98.5%	97.5%	96.8%
DHW Flow Max (ΔT at 72°F)	2.65 GPM	4.0 GPM	-	-	-	-
Water Volume	0.952 Gal. (3.5 L)	0.952 Gal. (3.5 L)	0.952 Gal. (3.5 L)	0.952 Gal. (3.5 L)	0.952 Gal. (3.5 L)	0.952 Gal. (3.5 L)
<b>Technical Data</b>						
Weight (Without Packaging)	110.2 Lbs. (50 kg)	110.2 Lbs. (50 kg)	103.6 Lbs. (47 kg)	103.6 Lbs. (47 kg)	103.6 Lbs. (47 kg)	103.6 Lbs. (47 kg)
Dimensions W x H x D	17.4" x 33.5" x 13.9"	17.4" x 33.5" x 13.9"	17.4" x 33.5" x 13.9"	17.4" x 33.5" x 13.9"	17.4" x 33.5" x 13.9"	17.4" x 33.5" x 13.9"
Minimum Recommended Pipe Size	1"	1"	1"	1"	1"	1"
Supply Tappings	1"	1"	1"	1"	1"	1"
Return Tappings	1"	1"	1"	1"	1"	1"
Domestic Cold Water Supply	¾"	¾"	-	-	-	-
Domestic Hot Water Supply	¾"	¾"	-	-	-	-
Gas Connection Size	¾"	¾"	¾"	¾"	¾"	¾"
Vent Size	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"
Vent Material	PVC / CPVC	PVC / CPVC	PVC / CPVC	PVC / CPVC	PVC / CPVC	PVC / CPVC
Combustion Air Size	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"	2" - 3"
High Altitude Capability	No De-Rating up to 6,000'	De-Rating 3% per 1,000'	No De-Rating up to 6,000'	No De-Rating up to 6,000'	No De-Rating up to 6,000'	De-Rating 3% per 1,000'
Gas Pressure Minimum w.c.	NG 3.5" - LP	NG 3.5" - LP	NG 3.5" - LP	NG 3.5" - LP	NG 3.5" - LP	NG 3.5" - LP

\* In November of 2012, AHRI, the agency that regulates AFUE ratings, announced that due to a testing inaccuracy all modulating gas condensing boilers from all manufacturers are down-rated to 90%. Bosch is working closely with AHRI to ensure that ratings reflect accurate test results. For more information visit [www.hrai.ca/PDFs/20121128DOE\\_AFUE\\_Revision\\_Measurements.pdf](http://www.hrai.ca/PDFs/20121128DOE_AFUE_Revision_Measurements.pdf)

§Copies of original warranties in their entirety are available at [www.bosch-climate.us](http://www.bosch-climate.us)

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