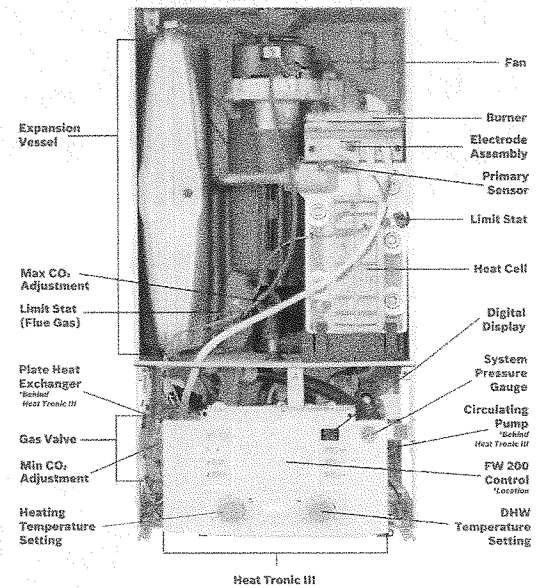


Greenstar Condensing Boiler

- ▶ 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[§]



	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	ZBR45-3
Part Number	7738100002	7713331041	7712231416	7712231415	7712231414	7712231413
Performance Specifications						
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)
Technical Data						
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.ahril.ca/PDFs/20121128DOE_AFUE_Revision_Measurements.pdf

§Copies of original warranties in their entirety are available at www.bosch-climate.us

Bosch Thermotechnology Corp.
Londonderry, NH • Ft. Lauderdale, FL
General Inquiries: 1-800-BUDERUS (1-800-283-3787)
Technical Support: 1-866-330-2730

www.bosch-climate.us

Copyright © 2012
Bosch Thermotechnology Corp.
All rights reserved.

44799001A 1/2013