

Technical specifications

MA Board # G1-0111-226



Application	Space Heating + DHW				Space Heating Only	
Models	Greenstar Combi 100	Greenstar Combi 151	Greenstar 57	Greenstar 100	Greenstar 131	Greenstar 151
Description	ZWB28-3	ZWB42-3	ZBR16-3	ZBR28-3	ZBR35-3	ZBR42-3
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	96.0%	94.3%	96.1%	96.0%	96.0%	94.3%
Low Temp Application Efficiencies	98.5%	98.8%	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 7,000'	De-Rated	No De-Rating up to 7,000'	No De-Rating up to 7,000'	No De-Rating up to 7,000'	De-Rated
Gas Pressure Minimum w.c.	NG 3.5" - LP 8"	NG 3.5" - LP 8"	NG 3.5" - LP 8"	NG 3.5" - LP 8"	NG 3.5" - LP 8"	NG 3.5" - LP 8"
Included Package Contents						
Al-Si Heat Exchanger	✓	✓	✓	✓	✓	✓
3 Speed Grundfos Integrated Pump	✓	✓	✓	✓	✓	✓
Integrated Expansion Vessel	3.17 Gal. (12 L)	3.17 Gal. (12 L)	-	-	-	-
FW200 Weather Compensation Control	✓	✓	✓	✓	✓	✓
Heatronic III - Control PCB	✓	✓	✓	✓	✓	✓
Hydronics Manifold Bracket with NPT Connection	✓	✓	✓	✓	✓	✓
TwIn Pipe Flue Adapter	✓	✓	✓	✓	✓	✓
Tank Sensor	-	-	✓	✓	✓	✓
System Supply Sensor	✓	✓	✓	✓	✓	✓
NG / LP Conversion Kit	✓	✓	✓	✓	✓	✓
Condensate Trap Drain Hose	✓	✓	✓	✓	✓	✓