

GB Series Ultra High Efficiency Gas Hydronic Boiler

FEATURES

- Boilers utilize an integral combustion air blower for higher efficiency.
- All models are equipped with a differential pressure switch for proving combustion air flow and for sensing an air intake or vent blockage for a safe shutdown until blockage is cleared.
- All models feature energy saving direct spark ignition designed with automatic gas shut off if the flame sensor does not detect positive combustion.
- All models are equipped with a redundant gas valve.
- All models are equipped with a 40 VA transformer with SPST relay and plug-in relay receptacle.
- Adjustable limit control.
- Two-tone baked enamel finish.
- Complete front access.

EFFICIENCY

All series units feature high A.F.U.E. Ratings (Annual Fuel Utilization Efficiency) when properly installed.

VENTING

The boiler is vented horizontally using 2" - 3" PVC pipe and fittings in accordance with the installation instructions and local codes.

CABINET

The cabinet is designed for floor or wall mounting.

HEAT EXCHANGER

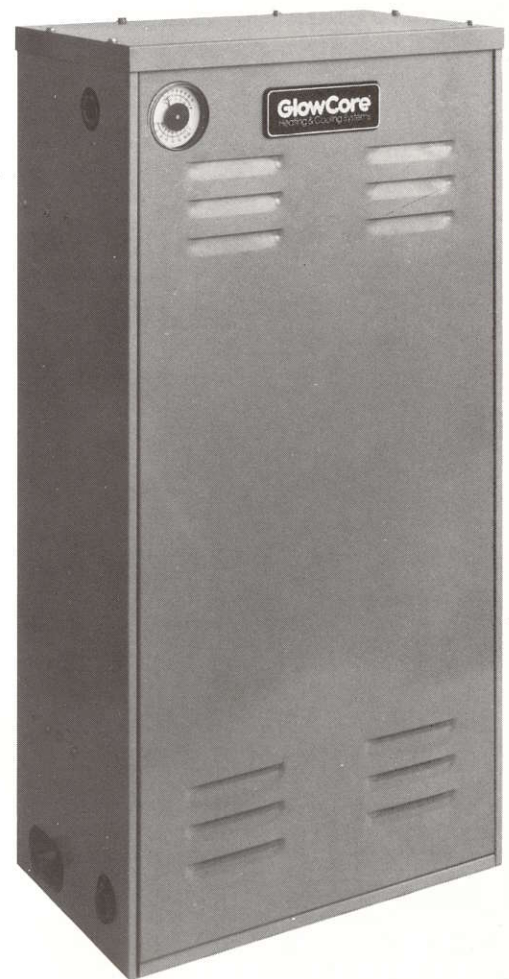
The heat exchanger has high stainless steel fins to ensure long life.

COMBUSTION AIR BLOWER

Direct drive PSC motors are used with all models. PSC motors have low starting torque, high efficiency and accelerate to operating speed quietly and smoothly. For ease of service, the entire blower assembly may be removed.

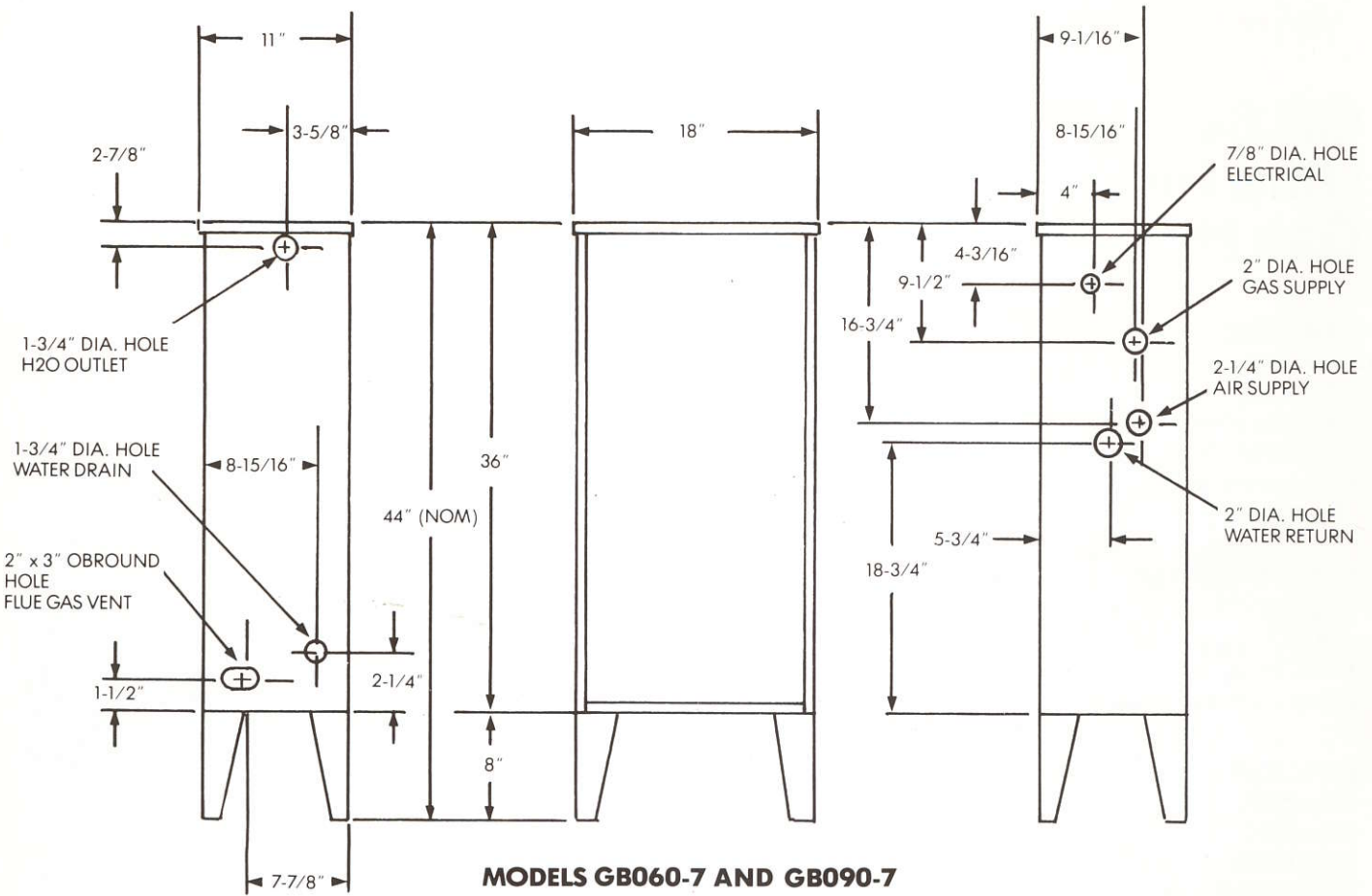
BURNER ASSEMBLY

The Unique Advanced Burner Design makes for reliable performance and low pollutant emissions. Burner assembly is constructed of Inconel Alloy and stainless steel to ensure long, reliable life.



GB Series Gas Hydronic Boiler

BOILER SPECIFICATIONS



Model	CABINET SIZE IN.			Vent Dia. In.	Gas Pipe Dia. In.	*Max. Vent Length Ft.	*Max. Intake Air Length Ft.	Ship. Wt. Lbs.
	Width	Depth	Height					
GB060-7	18	11	36	2	1/2	25	25	110
GB090-7	18	11	36	2	1/2	25	25	110
GB16014	21-1/8	11	42-1/8	2-1/2 3	1/2	25	35	173

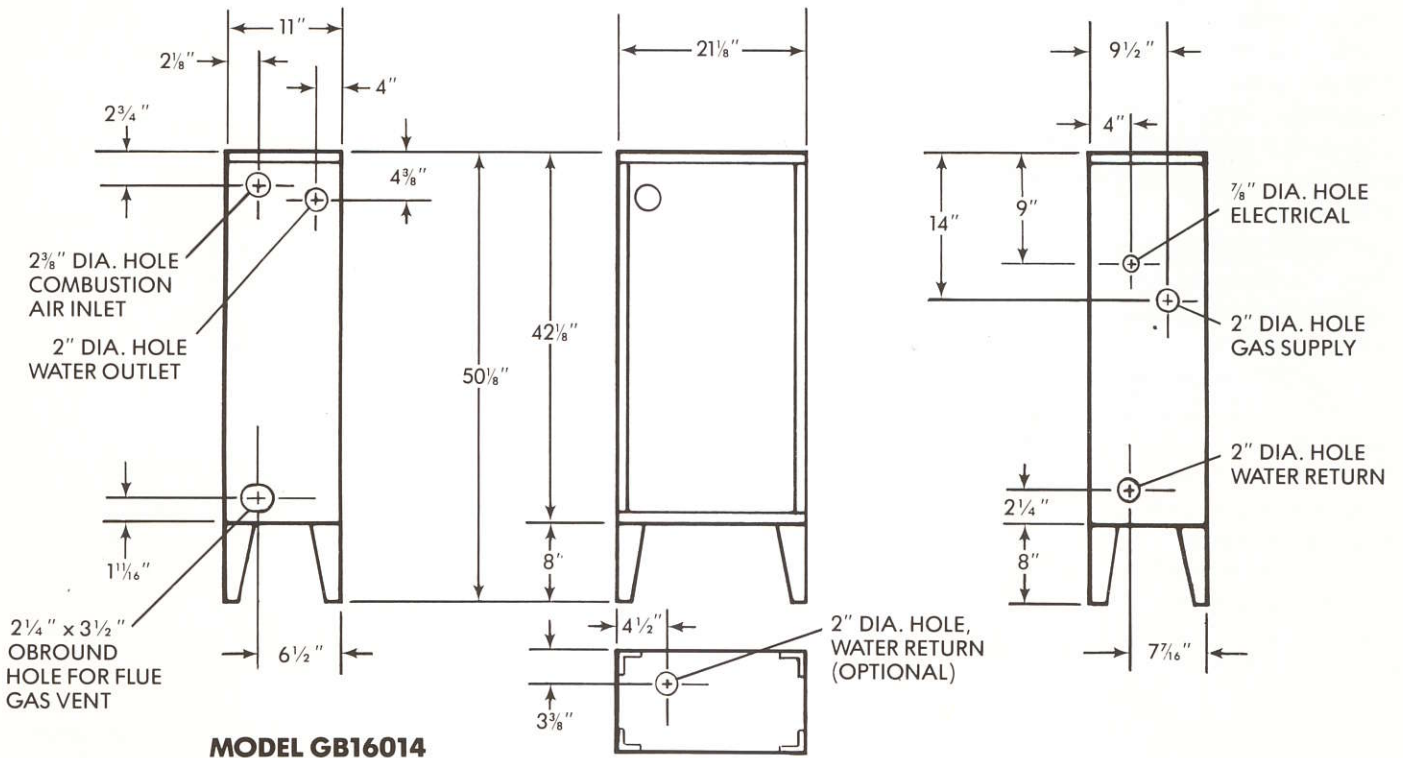
*Lengths are feet plus 6 elbows.

Note: Specifications Subject to Change Without Notice.

Model Number	GB060-7	GB090-7	GB16014
Burners (No.)	1	1	1
Electrical Data (Volts, Hz/Ph.)	115/60/1	115/60/1	115/60/1
(F.L.A.)	3.2 amps	3.2 amps	3.5 amps
Transformer Size (VA)	40	40	40
A.F.U.E. %	89.0	88.8	88.8
Flue Size (Inches)	2	2	2½ - 3
Gas Pipe Size	½	½	½
Weight	Net (Lbs.)	104	167
	Shipping (Lbs.)	110	173

Model	BOILER RATING BTU/HR.					
	Input	Orifice Size	*Output	Manifold Press. W.C.	Water Pump Min. Flow GPM	Pressure Drop Thru Boiler Ft./Water
GB060-7	60,000	#30	53460	2.5	6.0	8.5
GB090-7	90,000	#9	79920	2.5	8.0	13.0
GB16014	160,000	#1 DMS	142,080	2.5	14.0	28.0

*As determined by D.O.E. Steady State Efficiency Rating Test. Heating capacity valid for elevations up to 2,000 feet above sea level. For elevations above 2,000 feet, rated capacity should be reduced by 4% for each 1,000 feet above sea level.



GlowCore®

UniCore™ Integrated Heating System GB Series Gas Boiler WT Series Water Heater

- One burner heats your home *and* your water
- 89% Annual Fuel Utilization Efficiency boiler
- Flameless, high-efficiency water heater
- No burning pilot, no chimney

ONE CORE HEATS BOTH.

The UniCore system heats both air and water through a single gas burner in the boiler, which is interconnected with the water heater (see illustration). Most systems work independently of each other, requiring two burners — one for the furnace, one for the water tank — doing twice the work, and burning twice the gas. The UniCore system eliminates these redundancies to provide you with the most cost-efficient home comfort system on the market.

89% EFFICIENT BOILER.

GlowCore's high-efficiency, GB Series hydronic boiler has an A.F.U.E.* rating of 89%. That means 89% of the gas that goes into the boiler is turned into useful heat. Compare that to an old 55% - 65% efficient boiler, and see how much you could be saving on fuel bills.

It's electrically ignited, so there's no continuously burning pilot to waste gas. There's also no energy-wasting chimney — just a small, through-the-wall PVC vent.

FAST RECOVERY WATER HEATER SAVES EVEN MORE.

In addition to efficiently heating air, GlowCore's GB Series boiler heats water through an extremely quick-recovery water heater. Recovery is so fast, in fact, that a compact 30-gallon tank — two-thirds the size of a standard tank — provides all the hot water a large family needs. And with flameless, high-efficiency water heating, you'll be able to save even more on fuel bills.

HYDRONIC OR FORCED AIR. ONLY GLOWCORE GIVES YOU A CHOICE.

GlowCore is the only manufacturer to offer integrated heating systems with both hydronic *and* forced air technologies. The forced air furnace is also highly efficient with an A.F.U.E. rating of 91%. In addition, the water heater is available in 20- and 40-gallon sizes to suit your needs.

* Annual Fuel Utilization Efficiency

Hydronic UniCore System

