



Automatic Coal-fired Boiler

*Make the smart choice.  
Buy a PENNSToker  
and enjoy the reliability,  
safety, convenience  
and comfort of  
heating with coal.*

For automatic, trouble free heating, the **PENNSToker** is the answer. Designed to burn anthracite coal, this heating unit is unsurpassed in providing clean, safe, affordable heat. Burning coal is cheaper than burning gas, heating oil, cordwood (if it needs to be purchased) or using electricity.

The **PENNSToker** is an exciting new blend of electronic technology and good old fashioned rugged engineering. With its super-high efficiency plus the "Burntrol" modulating controller, this unit will **decrease coal usage and increase combustion and heating performance that will exceed your expectations!**

Add the optional automatic fill and ash removal for complete hands-off operation.

Available sizes range from 100,000 BTU thru multi-million.



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Specifications for PennStoker Coal-fired Boilers (Five Models)				
7710	7720	7730	7740	7750
<b>Dimensions</b>				
30" W, 50" L, 54" H <i>Without Stoker</i>	36" W, 52" L, 54" H <i>Without Stoker</i>	40" W, 62" L, 54" H <i>Without Stoker</i>	40" W, 62" L, 60" H <i>Without Stoker</i>	46" W, 68" L, 60" H <i>Without Stoker</i>
26" L, 26" W, 54" H	32" L, 32" W, 54" H	36" L, 36" W, 54" H	36" L, 36" W, 60" H	42" L, 42" W, 60" H
<b>Hopper Capacity</b>				
250 lbs.	350 lbs.	450 lbs.	600 lbs.	800 lbs.
<b>Water Capacity</b>				
25 Gal.	35 Gal.	45 Gal.	60 Gal.	80 Gal.
<b>BTU Output</b>				
100,000	200,000	300,000	400,000	500,000
<b>Will Heat*</b>				
3,000 sq. ft.	5,000 sq. ft.	7,000 sq. ft.	9,000 sq. ft.	11,000 sq. ft.
<b>Fitting Size</b>				
1.5"	1.5"	2"	2"	2"
<b>Flu Size</b>				
8"	8"	10"	10"	10"
<b>Approximate Weight</b>				
700 lbs.	900 lbs.	1000 lbs.	1200 lbs.	1500 lbs.

**10 year limited warranty**

\*building and climate conditions will affect heating capacity.

Brought to You by:



Automatic Coal-fired Boiler

Clean, Safe, Affordable Heat

Super-high Efficiency

Residential, Commercial, Industrial, Agricultural

Self-modulating

Superduty Construction





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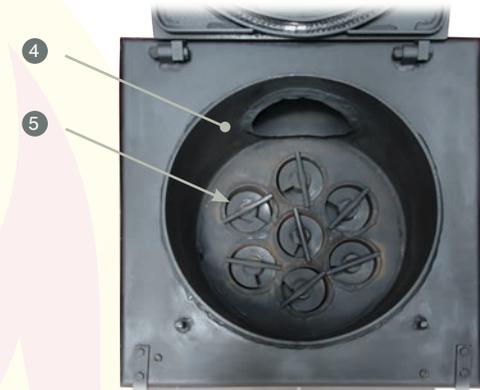
Burn Grate



Detail of Burntrol Modulating Controller



Detail of stoker mechanism



Heat Exchanger (top view)



### Use the PENNSToker to heat:

- 🔥 **Homes**
- 🔥 **Shops**
- 🔥 **Warehouses**
- 🔥 **Greenhouses**
- 🔥 **Livestock Buildings**
- 🔥 **Make-up Air**
- 🔥 **Kilns**
- 🔥 **And more!**

### Advantages of the PENNSToker:

- 1 The "Burntrol" modulating controller precisely matches the firing rate to the heat load. These are some of the important benefits that are the result.
  - 🔥 Complete coal combustion (no un-burnt coal in the ashes)
  - 🔥 Reduced ash content
  - 🔥 Minimal temperature fluctuation (consistent, even heat is important for kilns and greenhouses)
  - 🔥 Low time requirements for the operator
  - 🔥 High combustion efficiency wrings all the available heat out of every pound of coal
  - 🔥 Very user friendly
  - 🔥 Allows for summertime use to heat domestic hot water
- 2 Jumbo-sized coal hopper can hold sufficient coal for up to two weeks.
- 3 Low mass boiler design ensures quick response to temperature changes.
- 4 Vertical fire-tube type heat exchanger significantly reduces the risk of corrosion from condensation and makes cleaning the boiler a breeze.

- 5 The secret to the high heating efficiency is the removable spiral baffles in the fire-tubes. These force the hot gases to spend more time in the tubes for complete heat transfer into the water as well as making cleaning very simple.
- 6 Easy access to interior to start fire and clean furnace.
- 7 Hinged top door allows easy access to heat exchanger and fire-tube baffles.
- 8 Durable powder-coated finish.
- 9 Stoker unit and coal hopper can be removed to make it easier to get down steps, etc.
- 10 Large ash pan and ash door for convenient ash removal.
- 11 Over-the-fire draft inlets provide secondary combustion air for the coal gases.
- 12 Heavy duty construction from 1/4" steel plate.
- 13 Unique coal grate with apron retainer keeps coal on the grate until completely burnt.