



## Wood or Coal Furnaces



**PRODUCT  
UPDATE  
-MODEL 365EK-  
NOW WITH  
DOUBLE-WALL  
BACK - STANDARD  
(WAS 360EK)**

*Model 480EK Wood or Coal Fired Furnace*

## ***The Ultimate in Solid Fuel Heating***

*Manufactured exclusively in Chippewa Falls, WI USA*

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For over 30 years, **ENERGY KING™** has maintained a commitment to providing quality solid-fuel heating appliances. Our experienced engineers know what it takes to build solid, long lasting central heating equipment. We use the latest technology to design and build our products, with particular attention to safety, efficiency, reliability and ease of use. Our ultimate goal is to combine these aspects to guarantee our customers a solid product built for a lifetime of top performance.

## Energy King Wood/Coal Furnaces Feature:

**Three Draft Options:** Energy King Wood/Coal Furnaces offer three draft options: Manual, Automatic, or Forced Air Draft.



**Manual Draft:** The draft dial controls the manual draft system. By adjusting the dial, you can manually control the amount of air entering the fire chamber of your 365EK Wood/Coal Furnace.



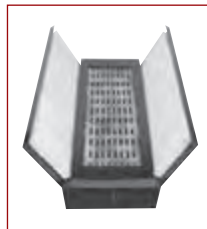
**Automatic Draft:** When your home cools, the wall thermostat opens a damper in the automatic draft tube allowing your chimney's natural draft to pull combustion air into the fire chamber of your furnace. Once your home is at the desired temperature, Energy King's wall thermostat closes the automatic draft tube damper.



**Forced Air Draft:** When your home cools, the wall thermostat turns on the forced air draft blower to force combustion air into the fire chamber of your 480EK. Energy King's wall thermostat turns off the forced air draft blower once your home is at the desired temperature.

**Cast Grates:** Energy King Wood/Coal Furnaces come standard with stationary wood grates.

Energy King's optional "*shaker grate system*" has been engineered to allow for the precise amount of combustion air under the fuel bed. The shaker system is activated by an externally mounted shaker arm, eliminating the need to open the ash door to shake the grates.



**Circulation Blower:** Energy King's large 3-speed blower delivers a full 1850 CFM of air to your home. The blower may be housed in an optional cold air return filter box that can be installed with the return air on the left or right side of the furnace for ease of installation.

**Legs:** All Energy King furnaces are raised off the floor on legs. This eliminates the accumulation of moisture between the floor and the bottom of the unit that may cause damage to the metal parts of the furnace.

**Durable Construction:** Energy King furnaces are constructed of 1/4", 7 gauge and 10 gauge high grade steel, 2000 degree firebrick, and heavy cast iron grates and doors.

## Energy King Wood/Coal Furnaces

Model Number	480EK	365EK
H x W x D	51.5" x 26" x 60"	48" x 26" x 53"
Shipping Weight (approx.)	725 lbs	650 lbs
Heating Area (approx.) *	2,000 sq. ft.	1,200-1,500 sq. ft.
BTU Capacity (approx.)	160,000	125,000
Blower Capacity - 3-Speed	1400-1600-1850	1400-1600-1850
Log Length	26"	21"
Coal Capacity	190 lbs	130 lbs
Firebox Volume	9 cu. ft.	6.3 cu. ft.
Loading Door Size	13.5" x 15.5"	13.5" x 15.5"
Ash Door Size	7.25" x 11.5"	7.25" x 11.5"
Flue Size	6"	6"
Flue Collar Height (to top of flue)	48.25"	45"
Plenum Outlet Size	20" x 20"	18" x 18"
Efficiency (approx.) *	78%	69%
Leg Height	3.5"	3.5"
Combustion Air Diverter (Wood or Coal)	Standard	Standard
Filter Box, Left or Right Inlet	Optional	Optional
Draft Controls	Forced or Auto	Auto or Manual
Secondary Heat Exchanger	Standard	Standard
Insulated Cabinet	Standard	Standard
Shaker Grates	Optional	Optional
Wood Grates	Standard	Standard
Cast Iron Hearth Plates (Front & Rear)	Standard	Standard
Prewired Elec Components	Standard	Standard
Double Wall Back	Standard	Standard
Removable Ash Pan	Standard	Standard
Warranty	6 Year Prorated	6 Year Prorated
Complies with Test Standards	UL391	UL391

Quality backed with a prorated SIX YEAR WARRANTY on firebox. Castings and Electrical are backed by a one-year warranty provided by their manufacturers.

**All units require a Class "A" all-fuel chimney.  
Installation must conform to local and state building codes.**

We are constantly improving and updating our products in order to provide the highest quality and value possible.

We reserve the right to make changes and improvements without notice.

\* The heating capacity specifications are provided as guidelines only and in no way guarantee the output or capacity of the units. The actual BTU output depends on the type of fuel being burned and its condition, the thermostat setting, the draft adjustments and the chimney that the unit is installed into.

**Dealer:**