



The Hardy Design

The Hardy Outside Woodburning Furnace is designed to be located next to your firewood storage for convenient loading, normally twice a day. This removes the fire danger from your home and keeps wood, trash, smoke and ashes out of your home.

The Hardy furnace does not require special equipment to transport or relocate. The furnace firebox is constructed of 14 and 16 gauge 304 stainless steel for the best heat transfer possible. The heat transfer efficiency is three times better with 16 gauge 304 stainless steel than with 3/8" carbon steel. The all stainless steel firebox also resists rusting and burnout that occurs in standard carbon steel. The insulated all stainless steel firebox door and ash door holds the heat in and resists burnout and corrosion. The firebox comes standard with thick heavy cast iron grates to make weekly ash removal simple and fast.

The use of chemicals inside the water tank is not necessary because of the corrosion resistance of 304 stainless steel. Since hot water evaporates, Hardy invented a condenser stack located on the rear of the furnace that condenses the steam and returns it to the water tank. The water tank is vented to the atmosphere to eliminate the safety hazards common with a pressurized boiler.

Standard features on Hardy furnaces are an adjustable aquastat, combustion blower for damper control, 4 GPM at 20 feet of head bronze circulator pump with on/off control relay, and automatic water level controls. The Hardy provides hot water for hot air duct systems, water baseboard, radiant floor heat, unit heaters and other existing hydronic systems.

The outside cover is constructed of 24 gauge 304 stainless steel to give you years of maintenance-free service. The stainless steel cover will not fade, needs no painting and does not require any weather protection.

The primary Hardy design goal is to give years of good service and make it easy to maintain.

Rear electrical and plumbing on H25



Manufactured by

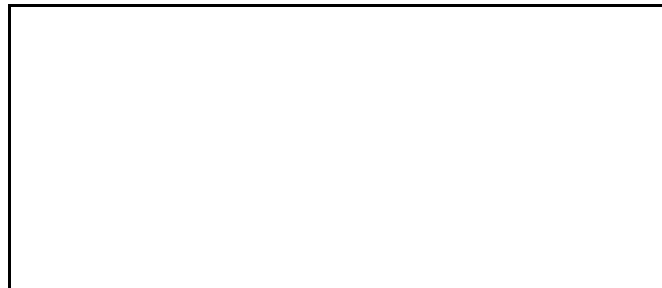
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Dealer Inquiries Welcome

The Original All Stainless Steel Outside Woodburning Furnace

Model H25



"Since 1976"

Typical Hardy Installations

Forced Air System

A hot water heating coil is installed in the supply side of your new or existing air handler and ductwork. A new wall thermostat which regulates the heat from the Hardy furnace performs two functions: when it senses your need for heat according to your temperature setting, it turns the water pump on to circulate the hot water through the coil and secondly turns on the blower inside your central unit to force air across the hot water coil. This forces hot air into your central duct system. Your existing furnace can serve as a backup heating source.

Hydronic System

The Hardy furnace can be connected directly to a new or existing boiler heating system. The Hardy circulating pump supplies the flow of hot water. The existing pump, zone valves, and baseboard radiation transfer the heat through the house. The existing boiler system can serve as a backup heating source. The Hardy can be connected to any existing hydronic heating system that operates at 180 degrees Fahrenheit or less.

Radiant Floor Heating

The Hardy furnace can supply the necessary hot water to provide heating comfort for your hydronic radiant floor system. The water circulates from the Hardy furnace through tubing inside concrete or wood floor construction. With the Hardy hookup, the system temperature can be controlled on a room-by-room basis. Energy is spent only when and where needed. Strategically placed thermostats recognize the deviation in temperature and react promptly with efficient and economical Hardy heat. Areas of the house not used can be set back to conserve energy.

Water Heater

The domestic water line connects to a heat exchanger on the Hardy furnace. The pressure on the supply line forces water through the heat exchanger when you open a hot water faucet inside your home. As the water is passed through the heat exchanger, it is heated and then goes in the cold water input on your water heater, thus preheating all your domestic hot water. This provides hot water for all your household needs. This will produce an immediate and dramatic decrease in your hot water heating cost.

Bath, Shower, Kitchen & Laundry

The Hardy provides hot water for your kitchen and laundry from hot water stored in the water heater preheated by the heat exchanger on the Hardy furnace.

Dairies and Shops

The Hardy provides hot water for your dairy and shop from the hot water stored in the water heater preheated by the heat exchanger on the Hardy furnace. The shop can be heated by a hydronic or forced air system.

Swimming Pools

The Hardy can heat your swimming pool with a heat exchanger swimming pool kit option which includes a pool pump, pool thermostat, and low limit sensor to provide the most effective and efficient way to heat your swimming pool.

Fan Coil Unit

Homes without existing ductwork can enjoy the advantages of Hardy heat with the Hardy Fan Coil Unit. The fan coil unit can be located central to the areas to be heated. Water is circulated from the Hardy furnace through the fan coil unit in your home.

The fan coil unit forces air across the hot water coil sending hot air into the area to be heated. The temperature of your home is regulated by a thermostat mounted on an electrical outlet adjacent to fan coil unit.

Ratings and Specifications

Type of fuel - Wood

For outdoor use only

Electrical Rating 115 VAC/ 60 HZ / 1P
MFS-15 AMP, MCA-15 AMP

Clearance to Combustibles
Top, Rear, Sides - 18"
Chimney Connector - 18"
Front - 48"
Flooring - Non Combustible

Water Capacity
H25 - Holds Approximately 160 Gallons of Water

FURNACE DIMENSIONS

Description	Wide	Depth	Height	Weight
H25 - 250,000 BTU	40"	60 1/4"	59 1/2"	1000 lbs.

FIREBOX SIZES

Description	Wide	Depth	Height
H25 - 250,000 BTU	34"	30"	44" + 8" for Grates

Door Opening

Description	Wide	Depth	Height
H25 - 250,000 BTU	20"	N/A	20"