

NAPOLEON HYBRID 150™

WOOD • OIL • ELECTRIC
TRIPLE FUEL COMBINATION FURNACE




QUALITY HEATING & AIR
napoleonheatingandair.com

Napoleon®

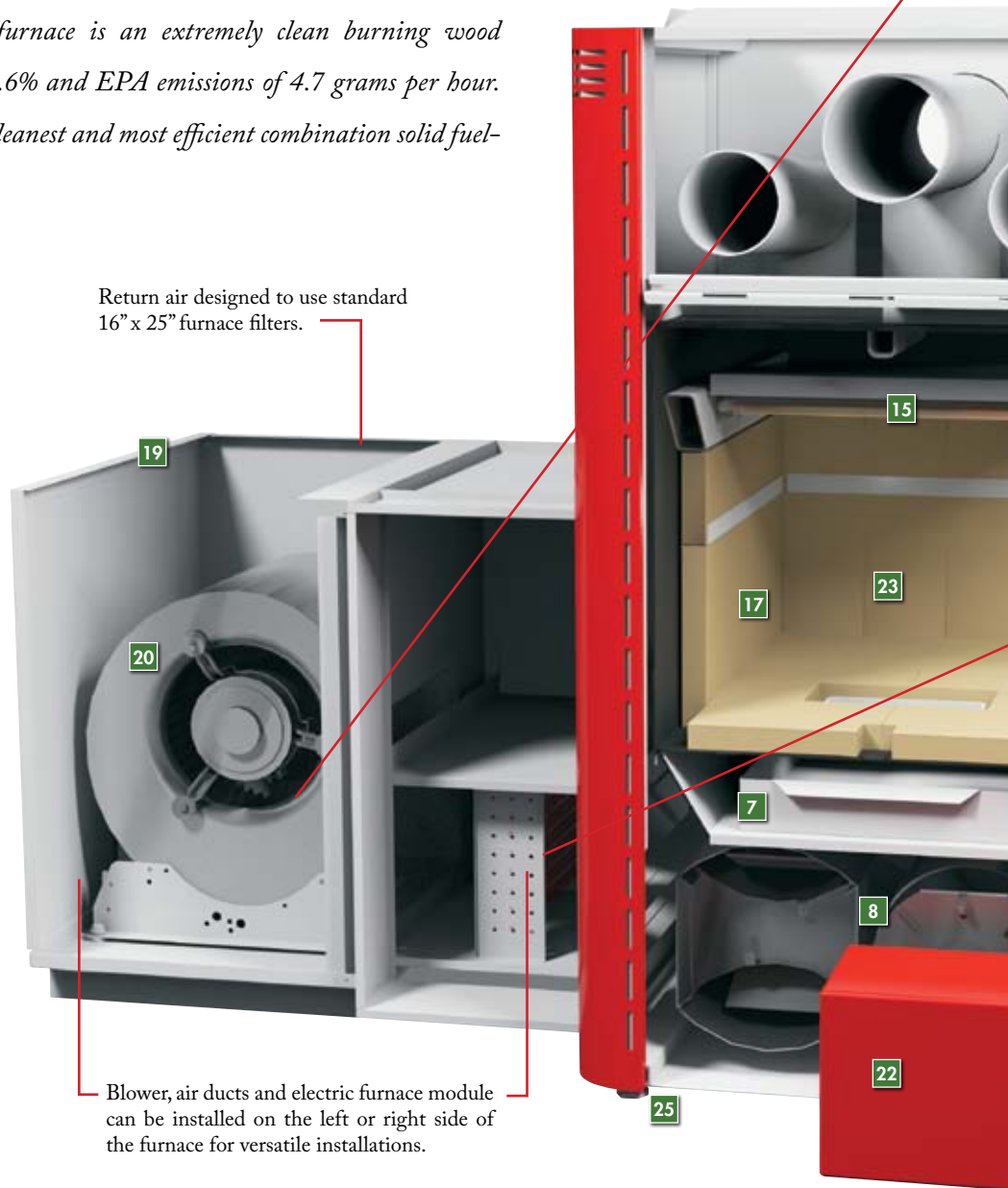
Hybrid 150™

TRIPLE FUEL COMBINATION FURNACE

Napoleon's Hybrid 150 combination furnace is an extremely clean burning wood furnace, with an efficiency rating of 88.6% and EPA emissions of 4.7 grams per hour. The Napoleon Hybrid 150 is one of the cleanest and most efficient combination solid fuel-burning furnaces on the market today.

1. Clean out door
2. Wood heat exchangers
3. Cabinet
4. Bypass damper
5. Ceramic glass or solid insulated cast door
6. 4" Ash lip
7. Ash dump & pan
8. Optional stainless steel oil combustion & heat exchanger module
9. Opening for ductwork
10. Air control
11. Direct outside air
12. 6" Flue
13. Outside air collar
14. Bypass damper handle
15. Baffle
16. Stainless steel secondary air tubes
17. High temperature refractory liner
18. Oil exhaust
19. Opening for return air duct (left or right side option)
20. Blower (left or right side option)
21. Optional electric element (20 kW)
22. Optional oil burner module
23. Wood fire chamber
24. Airwash to keep glass clean
25. Levelling legs

Return air designed to use standard 16" x 25" furnace filters.



Blower, air ducts and electric furnace module can be installed on the left or right side of the furnace for versatile installations.

Advanced Combustion System

Four stainless steel tube combustion system achieves a secondary burn cycle. Not only are you getting energy from the wood, but also from the wood gases which are mixed at the precise ratio of temperature and oxygen. To achieve an extraordinary clean burn without a catalytic combustor, horizontal jets of super heated secondary air are mixed with the fire's smoke to burn off released smoke particles. You can watch the torch-like secondary flames just below the ceiling during the burn. This results in more heat, cleaner air, fast start up, less chimney maintenance and less trips to the woodpile.

Solid Construction and Automatic Combustion Control

The impressively large 3.75 cubic foot solid built, fully welded and completely lined combustion chamber will give you many years of safe and trouble free performance. The bypass damper and preheated outside air feed directly into the combustion chamber, providing rapid responsiveness and maximum heat control. The thermostat sets the desired heat level for a roaring fire and then shuts down for a long, clean and consistent burn.

Undecided on combinations? All Hybrid 150® components are designed for easy retrofits and additions, even years after the initial installation.

12 6" flue increases to 7" if oil option is added.

The modular component design allows the blower module to be moved to either side of the main furnace to facilitate installation.

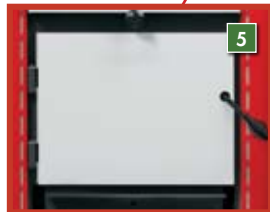
Outside air enters the firebox through a stainless steel tube.

4 The manual bypass damper allows the unit to perform a quicker, cleaner startup.

3 Heavy duty, 24 gauge powder coated cabinet features sound dampening, high density fibre insulation.



Optional electric element.



Cast iron door with ceramic fibre insulation and cover.



Cast iron door with ceramic viewing glass.

10 Thermostatic air control regulates primary air and burn rate.

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13 A four inch port draws air directly from the outside into the combustion chamber for maximum efficiency.

Your choice of doors - either glass so that you can see the fire and feel the heat radiating into the room where the furnace is located; or a solid, insulated door for maximum heat distribution through the ductwork to the entire house.

Triple Fuel Combination for Added Convenience and Peace of Mind

Go away for an extended period without worrying about keeping your wood furnace operational. The Napoleon® Hybrid 150 switches from wood to oil or electric automatically. If the furnace runs out of wood, a second thermostat controlling the optional oil and/or electric components will keep your home warm and toasty even if you are not at home, without any interruptions. Even with power failures, the furnace (wood only) is designed to use gravity flow for emergency heating. A manual override lever is a standard function. Your choice of Beckett or Riello high-efficiency burners combined with the stainless steel combustion and heat exchanger module will give you many years of reliable and safe performance.



Hybrid 150 Specifications

| | | |
|--|------------------------|----------------|
| Maximum input capacity (wood) | 150,000 BTU | |
| Maximum output capacity (wood) | 132,000 BTU | |
| Average output capacity (wood) | 85,000 BTU | |
| Oil furnace module (optional) | 70,000 - 93,000 BTU | Up to 85% AFUE |
| Electric furnace module (optional) | 70,000 BTU | 20 kW |
| Efficiency (wood) | 88.6% | |
| Emissions (wood) | 4.7 grams per hour | EPA |
| Blower | 3 speed - 1400 cfm | |
| Flue diameter | 6" | |
| Recommended exhaust pipe size (wood only) | 6" | |
| Recommended exhaust pipe size (wood/oil/combo) | 7" | |
| Type of chimney | Hi temperature | |
| Max. Log length | 24" | |
| Loading capacity | 74 lbs | |
| Furnace dimensions (wood with blower) | 53" w x 35" d x 52" h | |
| Furnace dimensions (wood/oil with blower) | 53" w x 45" d x 52" h | |
| Furnace dimensions (wood/electric with blower) | 65" w x 35" d x 52" h | |
| Furnace dimensions (wood/electric/oil with blower) | 65" w x 45" d x 52" h | |
| Clearances around furnace for servicing | 24" back/sides | 48" front |
| Firebox dimensions | 18" w x 24" d x 15" h | |
| Firebox front opening | 15 ¾ w x 9 ¾ h | |
| Ash drawer dimensions | 13" w x 18" d x 2 ½" h | |
| Hot air plenum dimensions | 22" x 24" | |
| Cold air plenum dimensions | 14" x 23" | |

Certification Standards CSA B366.1-M91, B140.4-04, B212-00, UL 1995/CSA C22.2 No.236, UL 391, UL 727

Multi Uses



Add-on wood furnace to your existing heating system



Wood only furnace



A combination wood / oil furnace



A combination wood / electric furnace



A triple-fuel wood / oil / electric furnace

Other Napoleon® Products



Fireplace Inserts



Patioflame®



Cast Iron Gas Stoves



Wood Stoves



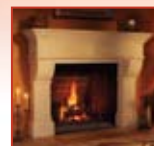
Waterfalls



Patio Heaters



Electric Fireplaces



Direct Vent Fireplaces



Gourmet Grills



Authorized Dealer

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Printed in Canada
 ADBRHUH 09/2010