



ECO-ENERGY

at the hearth of your home



www.caddyfurnaces.com

The new generation of furnaces



Discover the economical and flexible heating alternatives

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LEGEND



Can be installed as a wood-only unit. Blower box and fan limit kit required for this configuration.



Can be installed as a wood+electric combo unit to ensure your central heating keeps running even when you're not there to add more firewood. Electric element (fan limit kit included) required for this configuration.



Can be installed with a gas or electric central heating system using the existing heat distribution system. Uses the same controls and fan as the existing furnace; giving a fully compatible wood+gas or wood+electric combo system.



Can be installed as a wood+gas combo unit to ensure your central heating keeps running even when you're not there to add more firewood. Installed as an add-on with a gas furnace (independent unit), but fully integrated into the Caddy Advanced CR II system. The blower box and control unit for optional add-ons are required for this configuration.



Can be installed as a wood+electric+heat pump combo unit to ensure your central heating keeps running even when you're not there to add more firewood. The blower box, electric element and control unit for optional add-ons are required for this configuration.



Can be installed as a wood+gas+heat pump combo unit to ensure your central heating keeps running even when you're not there to add more firewood. Installed as an add-on with a gas furnace (independent unit), but fully integrated into the Caddy Advanced CR II system. The blower box and control unit for optional add-ons are required for this configuration.

The Caddy series furnaces offers



ECONOMY

The Caddy series furnaces features advanced wood combustion, thus easily reaching up to a 30% reduction in fuel wood used. EPA certified or CSA B415.1-10 tested wood furnaces are 80% to 90% efficient, compared with 40% to 60% for conventional units.



FLEXIBILITY

With the Caddy series furnaces you will never again be dependent on a single source of energy to guarantee the comfort and safety of your family. Depending on the model, you can add an electric element or gas unit, an air conditioning coil or heat pump. You can also use it as a wood add-on to an existing furnace.



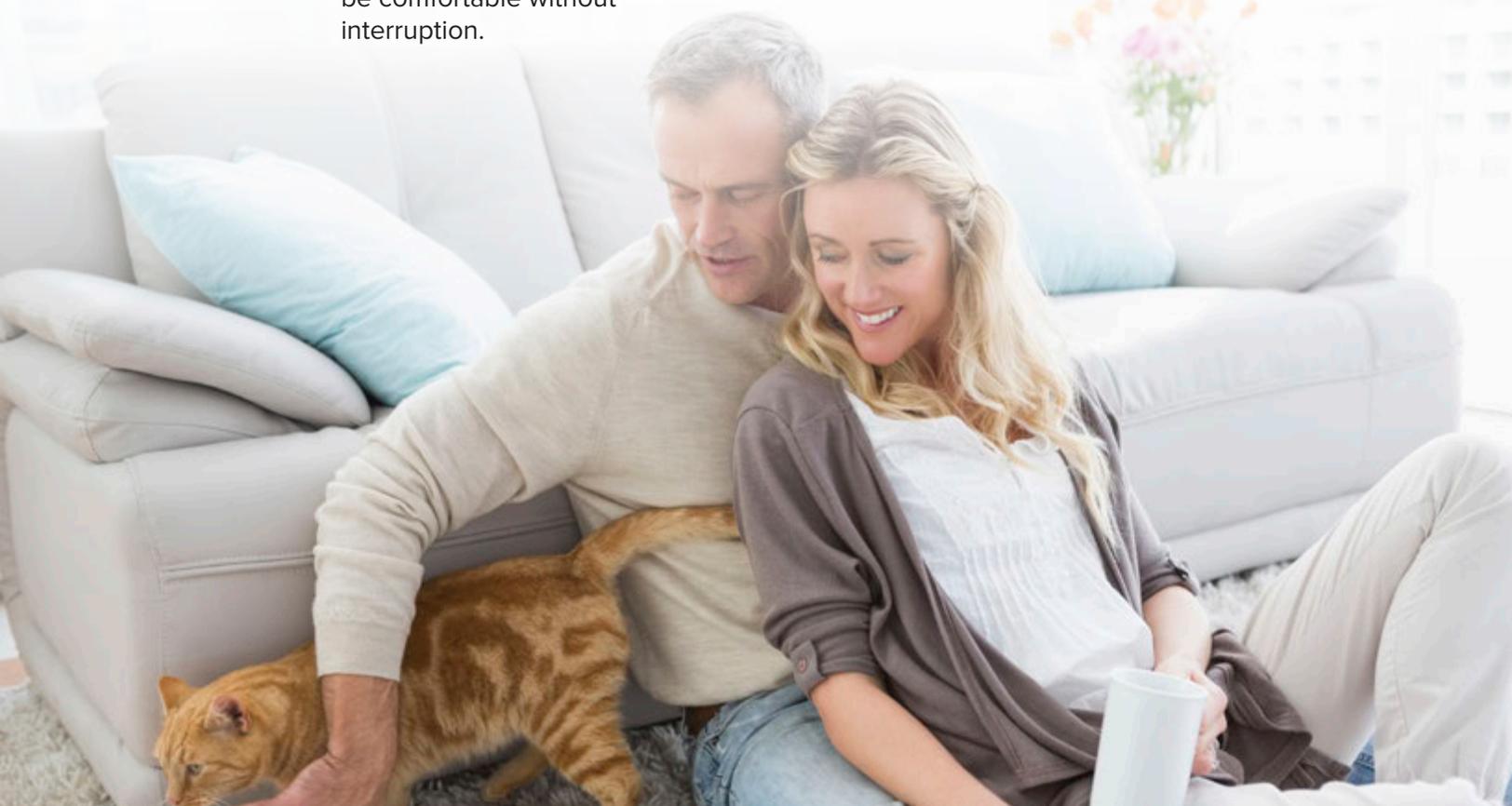
COMFORT

All of the Caddy series furnaces can be adjusted by a wall thermostat that gives you the exact comfort level you want for your home and all the protection you need from winter's icy blasts! Whether or not you are present, your home will be comfortable without interruption.



DURABILITY

Caddy furnaces are built to last with high-quality materials, including a 3/16" thick steel firebox, C-Cast baffle, high-density refractory bricks, and a cast iron door with ceramic glass. These durable components ensure reliable performance and long-term efficiency.



Ensuring Comfort and Performance with Your Caddy Furnace

WHY CHOOSE A CADDY DEALER?

To ensure your Caddy furnace provides lasting comfort and energy efficiency, professional installation is key. A Caddy dealer will optimize your system for peak performance and ensure it meets all safety and installation standards. By choosing a Caddy dealer, you also benefit from a seamless, worry-free installation experience.

SELECTING THE RIGHT FURNACE

Choosing a furnace that matches your home's heating needs is essential. An oversized unit will cycle too frequently, leading to inefficient combustion, while an undersized furnace will overwork itself, potentially causing premature wear. A properly sized furnace ensures optimal performance and longevity.

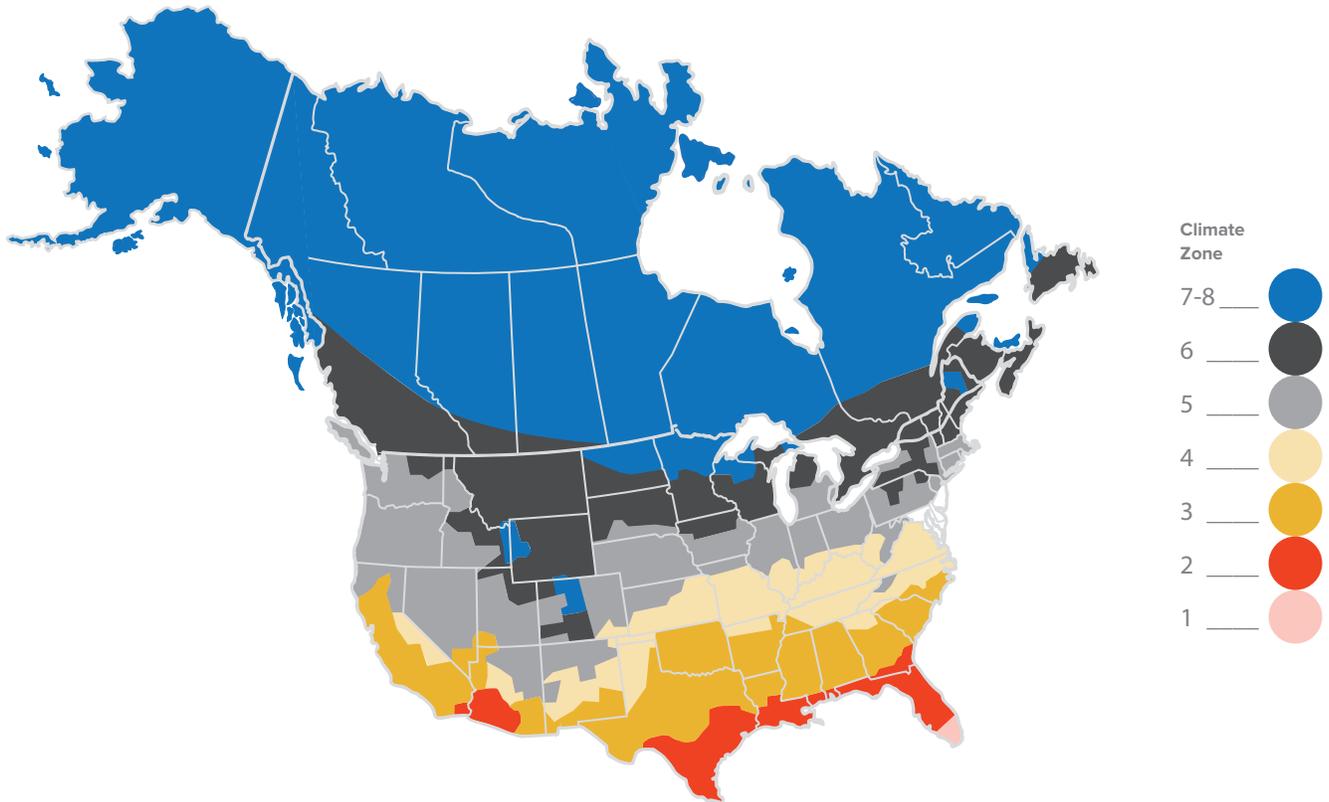
To determine the best fit, we recommend consulting a heating specialist for a detailed assessment.

WARRANTY

Your Caddy furnace is a long-term investment in home comfort and efficiency. Registering your warranty ensures that you receive full coverage and quick support should you ever need assistance. A properly registered furnace allows us to efficiently track your product details, making it easier to provide service, replacement parts, or troubleshooting if necessary. To secure your coverage, visit www.caddyfurnaces.com/en/warranty/ to register your furnace and review warranty terms.

Heating calculator

RECOMMENDED HEATING AREA IN SQUARE FEET BY CLIMATE ZONE



| MODELS | ZONE 1-2 | ZONE 3 | ZONE 4 | ZONE 5 | ZONE 6 | ZONE 7-8 |
|----------------------|----------|--------|--------|--------|--------|----------|
| Caddy Advanced CR II | 3,300 | 3,100 | 2,900 | 2,700 | 2,500 | 2,200 |
| Caddy Advanced II | 3,300 | 3,100 | 2,900 | 2,700 | 2,500 | 2,200 |

CADDY ADVANCED CR II PF01021

| Heating area ^(*) | Size | Log length | Average particulate emissions rate ^(†) |
|-------------------------------|-------------------------------|------------|---|
| 1,000 - 2,500 Ft ² | 40 1/2" W X 57" D X 54 3/8" H | 21" | 0.09 lb/mmBTU (0.039 g/MJ) |



THE NEW GENERATION OF FURNACES

Specially designed for those who want a multi-energy system, the Caddy Advanced CR II stands out for its ease of connection to an auxiliary heating source. An optional link card allows control between the different heating modes, the Caddy Advanced CR II furnace offers maximum flexibility and comfort.

DISCOVER SELF-REGULATED COMBUSTION

The self-regulated combustion of the Caddy Advanced CR II promises constant heat, while requiring minimal effort on your part; just fill the furnace, adjust the temperature and enjoy the heat for hours! The system automatically adjusts the air supply so that combustion is optimized and synchronized with the thermostatic demand.

- At start-up, the furnace injects additional combustion air for easy and quick ignition.
- As the furnace goes into heating mode, it automatically adjusts the combustion air supply and the operation of the convection blower. When your home's desired temperature is reached (thermostat setting), the furnace goes into energy saving mode, automatically reducing the combustion air and speed of the convection blower.
- At the end of the combustion cycle, if the furnace needs to go back to heating mode (thermostat setting), additional combustion air is injected again to activate the combustion of the embers thus providing a hotter burn on the end of the combustion cycle.
- If equipped with the Electronic control card for optional unit (PA03060), the furnace will change heating mode automatically.

^(*) Recommended heating area and maximum burn time may vary subject to location in home, chimney draft, heat loss factors, climate, fuel type and other variables. The recommended heating area for a given appliance is defined by the manufacturer as its capacity to maintain a minimum acceptable temperature considering that the space configuration and the presence of heat distribution systems have a significant impact in making heat circulation optimum.

^(†) Based on delivered heat output.

REQUIRED COMPONENTS

- A -**
 - Blower assembly motor PSC PA08581 or motor ECM PA08582
- B -**
 - Blower assembly motor PSC PA08581 or motor ECM PA08582
 - 20 kW 2-stage electrical element PA01106
- D -**
 - Wiring kit for serial installation PA08523
- E -**
 - Mounting tray for Dettson furnace PA08592
 - Mounting tray for Napoleon and Continental furnace PA08593
 - Elbow support for gas furnace connection PA08555
 - Electronic control card for optional unit PA03060
- F -**
 - Mounting tray for Dettson furnace PA08592
 - Mounting tray for Napoleon and Continental furnace PA08593
 - Elbow support for gas furnace connection PA08555
 - Quick connect heat pump harness PA08591
 - Electronic control card for optional unit PA03060
- G -**
 - Blower assembly motor PSC PA08581 or motor ECM PA08582
 - 20 kW 2-stage electrical element PA01106
 - Quick connect heat pump harness PA08591
 - Electronic control card for optional unit PA03060

OPTIONS

- Side configuration blower kit PA08587
- Top air return plenum kit PA08588
- PA08555 Elbow support side extension - PA08589

INCLUDED

- Barometric damper 6", 7" and 8" – 51018
- Tool set and wall support
- Ash lip
- Thermostat
- Moisture reader
- Barometric damper
- Fresh air intake adapter
- Connection adapter for rear add-on installation

CADDY ADVANCED CR II

EASE OF USE

Use the Caddy Advanced CR II with confidence thanks to its intuitive operation and illustrated quick user guide. Equipped with a glass door allowing you to easily monitor the state of combustion, the furnace optimizes its combustion cycle: you will spend much less time taking care of it vs a conventional furnace (loading wood, adjusting the air, etc.). This optimization also ensures you substantial savings in firewood as well as increased comfort thanks to the production of constant heat throughout the combustion cycle.

To make maintenance even easier with your Caddy Advanced CR II, it is equipped with a self-diagnostic feature. A prolonged press on the main button triggers a series of standard tests to quickly identify any malfunction in a furnace component: air intake motor, thermocouple, air distribution motor, etc. If an anomaly is detected, light signals indicate the source of the problem. This feature significantly speeds up diagnosis, allowing a technician to assist you more quickly and reducing downtime for your furnace.

UNMATCHED PERFORMANCE

Among the most efficient furnaces in terms of energy distribution, the Caddy Advanced CR II has one of the lowest minimum burn rates in the industry. This means a load of wood burns longer, and therefore reduces the frequency of wood loading. Emissions on this unit are amongst the cleanest of the few EPA 2020 certified furnaces, and yet the Caddy Advanced CR II is among the most energy efficient on the market. In addition, the new ECM motor blower option consumes 40% less electricity (and much quieter) than a standard PSC motor blower.

QUICK AND FLEXIBLE INSTALLATION

The Caddy Advanced CR II is supplied with wires to ease connection between the different options. For added flexibility, it is possible to install the blower box to the right, left or behind the furnace to optimize its footprint. It is also possible to install the filter supports to the right, left and on top of the blower box to adapt the layout of the ventilation ducts to your installation requirements.

The Caddy Advanced CR II includes a tool set and wall support, an ash lip, a thermostat, a moisture reader, a barometric damper, a fresh air intake adapter and a connection adapter for rear add-on installation.

ALTERNATE SOURCE OF HEAT

Always have an alternate source of heat to ensure the comfort and safety of your family. The Caddy Advanced CR II comes in multiple possible configurations: wood, wood+electric, wood+gas, wood+electric+heat pump, wood+gas+heat pump and add-on. When installed as an add-on furnace, only a series configuration is approved for Canada. In the United States, both series and parallel configuration are permitted.

APPLIANCE PERFORMANCE ⁽²⁾

| | |
|--|--|
| Fuel type | Dry cordwood (16" recommended) |
| Firebox volume | 3.6 Ft ³ |
| Maximum burn time ^(*) | 10 h |
| Maximum input capacity (dry cordwood) ⁽³⁾ | 310,000 BTU |
| Overall heat output rate ⁽⁴⁾ | 21,742 BTU/h (6.37 kW) à 62,107 BTU/h (18.2 kW) |
| Average overall efficiency ⁽⁵⁾ | 78% (HHV) ⁽⁶⁾ |
| Delivered heat output rate ⁽⁷⁾ | 19,851 BTU/h (5.82 kW) to 64,074 BTU/h (18.8 kW) |
| Average delivered efficiency ⁽⁸⁾ | 77% (HHV) ⁽⁶⁾ |
| Optimum efficiency ⁽⁹⁾ | 79% |
| Average CO ⁽¹⁰⁾ | 1.3 g/min |
| Average electrical power consumption - motor PSC - ECM ⁽¹¹⁾ | 330 W 220 W |

GENERAL FEATURES

| | |
|--|--|
| Recommended chimney diameter | 6" |
| Flue outlet diameter | 6" |
| Type of chimney | CAN/ULC S629, UL 103 HT (2100 °F) |
| Baffle type | C-cast or equivalent |
| Approved for a mobile home installation | No |
| Weight | 699 lb |
| Blower (hp / speed / CFM) – motor PSC - ECM | 1/3 / 1 / 875 - 1/2 / 1 / 875 or 1/3 / 3 / 875 - 1/2 / 3 / 875 with PA03060 or PA01106 options |
| Filters – dimensions (Width X Height X Depth) | 14" X 25" X 2" |
| Filters – quantity | 1 |
| Air return plenum – dimensions (Depth or Height) | 15 3/4" |
| Air return plenum – dimension (Width) | 24 3/4" |
| Hot air plenum – dimensions (Depth or Height) | 28 5/8" |
| Hot air plenum – dimension (Width) | 24 1/2" |
| Overall dimension (Width X Depth X Height) | 40 1/2" X 57" X 54 3/8" |
| Door opening dimension (Width X Height) | 13 3/4" X 10" |
| Glass surface – dimensions (Width X Height) | 12 1/2" X 10 1/8" |
| Door type | Single, glass with cast-iron frame |
| Glass type | Ceramic glass |
| Firebox – dimension (Height X Width X Depth) | 16 1/8" X 18 3/4" X 21 1/4" |
| Firebox steel thickness – body | 3/16" |
| Firebox steel thickness – top | 1/4" |
| Centre line of flue outlet to the side | 16 3/8" |
| Centre line of flue outlet to the floor | 49 3/4" |
| Clearance – front | 48" |
| Clearance – back wall | 24" |
| Clearance – side wall | 6" |
| Clearance – recommended for maintenance on left side | 24" |
| Clearances – ducts | <6"=6"; >6"=1" |
| Wood Add-on – location of the connection with existing furnace | Rear (see owner's manual for side connection with gas add-on options) |
| Wood Add-on – air inlet duct dimensions (Height X Width) | 9" X 21" |
| USA standard (emissions) | EPA |
| Canadian standard (emissions) | CSA B415.1-10 |
| USA standard (safety) | UL 391 |
| Canadian standard (safety) | CSA B366.1 |
| Tested and listed as per applicable standards by | An accredited laboratory (CAN/USA) |
| Warranty | Limited lifetime |

WOOD



⁽²⁾ Values are as measured per CSA B415.1-10, except for the recommended heating area, firebox volume, maximum burn time and maximum input capacity. Performances based on a fuel load prescribed by the standard at 10 lb/ft³ and with a moisture content between 18% and 28%.

⁽³⁾ Input value at 10 lb/ft³ fuel loading density and dry energy value of 8,600 BTU/lb.

⁽⁴⁾ Overall : Radiated and delivered heat together at a minimum of 10 lb/ft³ fuel loading density over one total burn cycle.

⁽⁵⁾ Efficiency based on radiated and delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽⁶⁾ Higher Heating Value of the fuel.

⁽⁷⁾ Delivered: Remotely provided to other rooms through ducting at a minimum of 10 lb/ft³ fuel loading density over one total burn cycle.

⁽⁸⁾ Efficiency based on delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽⁹⁾ Optimum overall efficiency at a specific burn rate (HHV).

⁽¹⁰⁾ Carbon Monoxide. Based on overall heat output at 10 lb/ft³ fuel loading density.

⁽¹¹⁾ Unless stated otherwise, measures were taken directly at the main power source and include all electrical components present in the appliance.

A VARIETY OF CONFIGURATIONS

BLOWER BOX WITH REGULAR PSC OR ECM MOTOR (PA08581/PA08582)

Can be installed in the back (as shown) or on either side.



CONTROL UNIT FOR OPTIONAL ADD-ONS (PA03060) Not shown

Mounting tray for Dettson PA08592, Napoleon and Continental PA08593 furnaces.

Elbow support for gas furnace connection PA08555.

Gas furnace up to 120,000 BTU/h and ducting not included.

Electronic control card for optional unit PA03060.



PA08555 Elbow support side extension PA08589.

SIDE CONFIGURATION BLOWER KIT (PA08587) WITH ELECTRICAL ELEMENT (PA01106)

Side configuration blower kit PA08587. Can be installed on the left or right side.



Blower assembly motor PSC PA08581 or motor ECM PA08582.

20 kW 2-stage electrical element PA01106.

TWO-STAGE ELECTRIC ELEMENT 10 KW / 20 KW (PA01106)

Can be installed on the left or right side.



20 kW 2-stage electrical element PA01106.



OPTION
AIR CONDITIONING COIL AND HEAT PUMP UP TO 2.5 TONS



OPTION
CAN ACCOMMODATE SELECTED MODELS OF GAS UNITS UP TO 120,000 BTU/H

Images and selection may vary. Shown for illustration purposes only.

CADDY ADVANCED II PF01020

 WOOD

| Heating area ^(*) | Size | Log length | Average particulate emissions rate ⁽¹⁾ |
|-------------------------------|-----------------------------------|------------|---|
| 1,000 - 2,500 Ft ² | 29 1/4" W X 41 1/2" D X 41 1/4" H | 21" | 0.09 lb/mmBTU (0.039 g/MJ) |



REQUIRED COMPONENTS

A - 

- Blower assembly motor PSC PA08585
motor ECM PA08586

B - 

- Wiring kit for serial installation PA08523

OPTIONS

- Top air return plenum kit PA08506

INCLUDED

- Barometric damper 6", 7" and 8" 51018
- Tool set and wall support
- Ash lip
- Thermostat
- Moisture reader
- Barometric damper
- Fresh air intake adapter
- Connection adapter for add-on installation

THE NEW GENERATION OF FURNACES

Known for its exceptional performance, the Caddy Advanced II is a furnace that's innovative design is surpassed only by its simplicity of use.

DISCOVER SELF-REGULATED COMBUSTION

The self-regulating combustion of the Caddy Advanced II promises constant heat, while requiring minimal effort on your part; just fill the furnace, adjust the temperature and enjoy the heat for hours! The system automatically adjusts the air supply so that combustion is optimized and synchronized with the thermostatic demand.

- At start-up, the furnace injects additional combustion air for easy and quick ignition.
- As the furnace goes into heating mode, it automatically adjusts the combustion air supply and the operation of the convection blower. When your home's desired temperature is reached (thermostat setting), the furnace goes into energy saving mode, automatically reducing the combustion air and speed of the convection blower.
- At the end of the combustion cycle, if the furnace needs to go back to heating mode (thermostat setting), additional combustion air is injected again to activate the combustion of the embers thus providing a hotter burn on the end of the combustion cycle.

EASE OF USE

Use the Caddy Advanced II with confidence thanks to its intuitive operation and illustrated quick user guide. Equipped with a glass door allowing you to easily monitor the state of combustion, the furnace optimizes its combustion cycle: you will spend much less time taking care of it vs a conventional furnace (loading wood, adjusting the air, etc.). This optimization also ensures you substantial savings in firewood as well as increased comfort thanks to the production of constant heat throughout the combustion cycle.

UNMATCHED PERFORMANCE

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⁽¹⁾ Based on delivered heat output.

APPLIANCE PERFORMANCE ⁽²⁾

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GENERAL FEATURES

| | |
|--|------------------------------------|
| Recommended chimney diameter | 6" |
| Flue outlet diameter | 6" |
| Type of chimney | CAN/ULC S629, UL 103 HT (2100 °F) |
| Baffle type | C-Cast or equivalent |
| Approved for a mobile home installation | No |
| Weight | 635 lb (288 kg) |
| Blower (hp / speed / CFM) – motor PSC - ECM | 1/3 / 1 / 875 - 1/2 / 1 / 875 |
| Filters – dimensions (Width X Height X Depth) | 14" X 25" X 1" |
| Filters – quantity | 1 |
| Air return plenum – dimensions (Depth or Height) | 15 3/4" |
| Air return plenum – dimension (Width) | 24 3/4" |
| Hot air plenum – dimensions (Depth or Height) | 28 5/8" |
| Hot air plenum – dimension (Width) | 24 1/2" |
| Overall dimension (Width X Depth X Height) | 28 3/4" X 42 1/2" X 41 3/4" |
| Door opening dimension (Width X Height) | 13 3/4" X 10" |
| Glass surface – dimensions (Width X Height) | 12 1/2" X 10 1/8" |
| Door type | Single, glass with cast-iron frame |
| Glass type | Ceramic glass |
| Firebox – dimension (Height X Width X Depth) | 16 1/8" X 18 3/4" X 21 1/4" |
| Steel thickness – body | 3/16" |
| Steel thickness – top | 1/4" |
| Centre line of flue outlet to the side | 14 5/8" |
| Centre line of flue outlet to the floor | 37 1/8" |
| Clearance – front | 48" |
| Clearance – back wall | 24" |
| Clearance – side wall | 6" |
| Clearance – recommended for maintenance on left side | 24" |
| Clearances – ducts | <6"=6"; >6"=1" |
| Wood Add-on – location of the connection with existing furnace | Rear |
| Wood Add-on – air inlet duct dimensions (Height X Width) | 9" X 21" |
| USA standard (emissions) | EPA |
| Canadian standard (emissions) | CSA B415.1-10 |
| USA standard (safety) | UL 391 |
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| Tested and listed as per applicable standards by | An accredited laboratory (CAN/USA) |
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WOOD



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⁽⁸⁾ Efficiency based on delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽⁹⁾ Optimum overall efficiency at a specific burn rate (HHV).

⁽¹⁰⁾ Carbon Monoxide. Based on overall heat output at a minimum of 10 lb/ft³ fuel loading density.

⁽¹¹⁾ Unless stated otherwise, measures were taken directly at the main power source and include all electrical components present in the appliance.

CONTACT US

1 877-356-6663

Monday - Friday: 8:00 a.m. to 12:00 a.m. - 1:00 p.m. to 5:00 p.m. (EST)

Customer Service: possiblepurchase@sbi-international.com

Technical Support: tech@sbi-international.com

Caddy furnaces are designed for those who seek reliable, efficient, and versatile home heating solutions. With decades of expertise in wood heating technology, we prioritize innovation, durability, and energy efficiency in every unit we produce. Our furnaces are engineered to offer flexible heating options and deliver warmth you can count on.

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