



ECO-ENERGY

at the hearth of your home



Wood and pellet furnaces

www.caddyfurnaces.com



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 as a wood+oil combo to ensure your central heating keeps running even when you're not there to add more firewood. Oil burner unit and blocked vent switch required for this configuration.



Can be installed as a wood+oil+electric trio combination for fuel flexibility. The addition of an electric element, oil unit and blocked vent switch is required for this configuration.



Can be installed with an oil, 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+oil, wood+gas, or wood+electric combo system.



Can be installed as a wood pellet* only unit.
*Premium grade or better



Can be installed as a wood pellet+electric combo unit to avoid interruption of your central heating when you are not available to feed the pellets*. The addition of an electric element is required for this type of installation.

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 60% to 85% 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, an oil unit or 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

Even if you live in an area where humidity might be very high, you can install a PSG furnace, because the 3/16" thick steel outer walls are protected with a special rust inhibitor, giving the furnace long lasting durability.

Authorized dealer will ensure that Caddy furnaces are optimized and installed according to Standards and offer the privilege warranty on Caddy products and installation.

Eco-energy at the hearth of your home

www.caddyfurnaces.com

Why buy from an authorized PSG dealer?

To make sure your PSG furnace provides comfort and energy saving for many years, your choice of installer is extremely important. An authorized PSG dealer will ensure that the system is optimized to deliver its full potential and installed according to Standards. The customer making the wise choice to do business with a PSG authorized dealer will benefit from the privilege warranty, in addition to enjoy a professional and hassle-free installation service.

CHOOSE YOUR FURNACE

It is important to choose a furnace perfectly suited to the size of your residence. An overly powerful furnace will cycle too much, which will favor poor combustion. Too small a furnace will heat at high level over long periods of time in order to satisfy the thermostat call for heat, which can damage the furnace's components prematurely. In all cases, a furnace that is poorly adapted to the size of your home will reduce performance. A detailed calculation done by a heating specialist is recommended.

REGISTER YOUR WARRANTY

Registering your warranty makes it easier for us to quickly find the information we need about your furnace. www.caddyfurnaces.com

PRIVILEGE WARRANTY

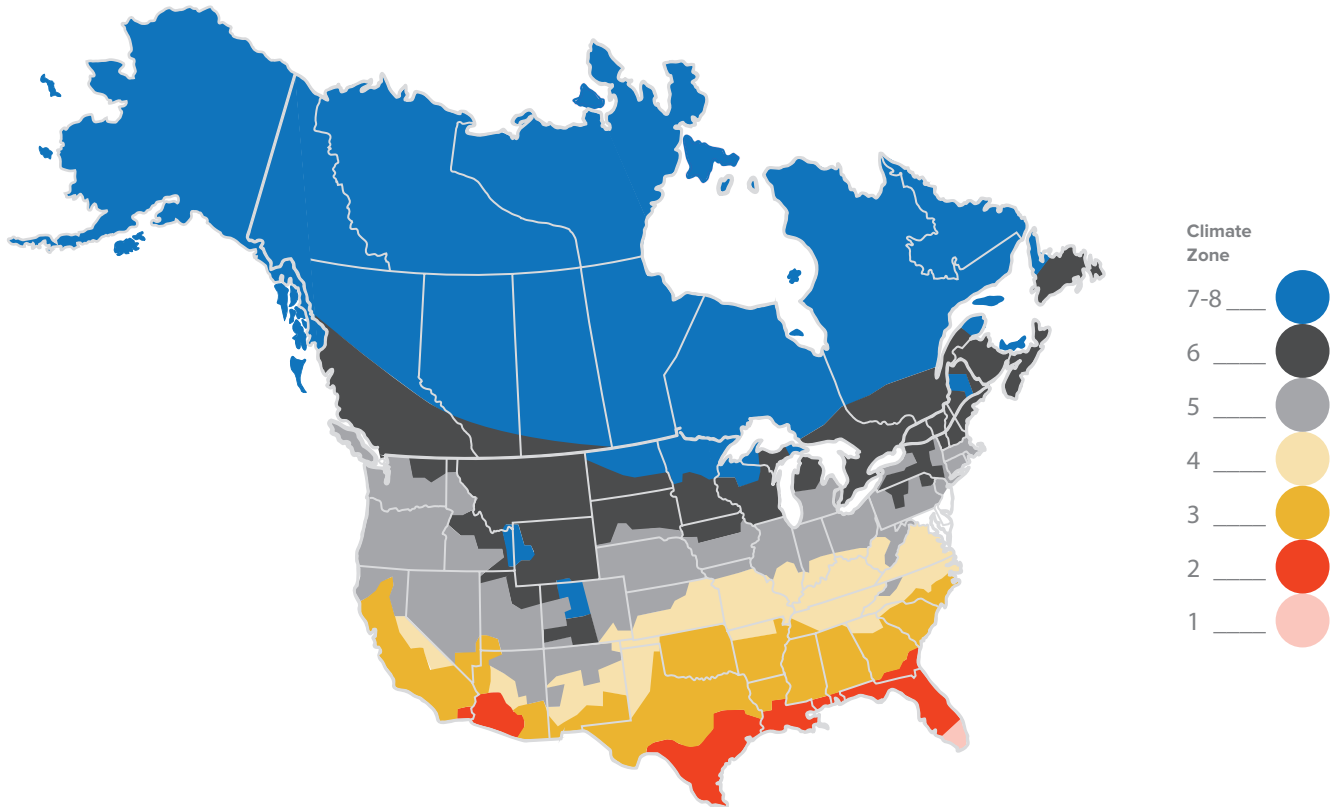
Smart consumers who do business with an authorized PSG dealer benefit from the privilege warranty as well as professional and hassle-free installation service.

STANDARD WARRANTY

If you purchase a PSG Caddy series furnace from a non-authorized dealer or opt to install it yourself, PSG will provide the standard warranty only.

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	3,300	3,100	2,900	2,700	2,500	2,200
Caddy	3,300	3,100	2,900	2,700	2,500	2,200
Max Caddy	4,300	4,100	3,900	3,700	3,500	3,000
Caddy Alterna II	3,800	3,600	3,400	3,200	3,000	2,600

CADDY ADVANCED

PF01020

WOOD

Heating area ^(*)	Size	Log length	Average particulate emissions rate ^(†)
1,000 - 2,500 Ft ²	29 1/4" W X 41 1/2" D X 41 1/4" H	21"	0.095 lb/mmBTU (0.041 g/MJ)



REQUIRED COMPONENTS

A -

- Blower assembly motor PSC PA08585
motor ECM PA08586

B -

- Wiring kit for serial installation PA08523

ARTICLES OPTIONNELS

- Top air return plenum kit PA08506

ARTICLES INCLUDES

- 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 FURNACE

From a family of great furnaces, the Caddy Advanced is a furnace whose performance, innovative design is only surpassed by its ease of use.

DISCOVER SELF-REGULATED COMBUSTION

The self-regulating combustion of the Caddy Advanced 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 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

Among the most efficient furnaces in terms of energy distribution, the Caddy Advanced 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 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.

^(*) 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.

APPLIANCE PERFORMANCE ⁽²⁾

Fuel type	Dry cordwood
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⁾	19,354 BTU/h (5.6 kW) à 47,052 BTU/h (13.8 kW)
Average overall efficiency ⁽⁵⁾	76.6% (HHV) ⁽⁶⁾ 82.0% (LHV) ⁽⁷⁾
Delivered heat output rate ⁽⁸⁾	13,297 BTU/h (3.9 kW) to 42,234 BTU/h (12.4 kW)
Average delivered efficiency ⁽⁹⁾	60.7% (HHV) ⁽⁶⁾ 68.3% (LHV) ⁽⁷⁾
Optimum efficiency ⁽¹⁰⁾	83.2%
Average CO ⁽¹¹⁾	8.78 lb/mmBTU (3.78 g/MJ)
Average electrical power consumption ⁽¹²⁾	360 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
Approved for a mobile home installation	No
Weight	635 lb (288 kg)
Blower (hp / speed / CFM)	1/3 / 4 / 1,900
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)	29 1/4" X 41 1/2" X 41 1/4"
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 3/8" X 18 1/2" X 22 3/4"
Steel thickness – body	3/16"
Steel thickness – top	1/4"
Centre line of flue outlet to the side	14 1/2"
Centre line of flue outlet to the floor	37 1/8"
Clearance – front (Canada/USA)	48" / 36"
Clearance – back wall	24"
Clearance – side wall	6"
Clearance – opposite side wall	24"
Clearances – ducts	<6"=6"; >6"=1"
Clearance – recommended for maintenance on option side	24"
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
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 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⁾ Lower Heating Value of the fuel.

⁽⁸⁾ Delivered: Remotely provided to other rooms through ducting at 10 lb/ft³ fuel loading density over one total burn cycle.

⁽⁹⁾ Efficiency based on delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽¹⁰⁾ Optimum overall efficiency at a specific burn rate (LHV).

⁽¹¹⁾ Carbon Monoxide. Based on overall heat output at 10 lb/ft³ fuel loading density.

⁽¹²⁾ Unless stated otherwise, measures were taken directly at the main power source and include all electrical components present in the appliance.

CADDY

PF01015



Heating area (*)	Size	Log length	Average particulate emissions rate ⁽¹⁾
1,000 - 2,500 Ft ²	32 1/4" W X 52 7/8" D X 49" H	22"	0.654 lb/mmBTU (0.282 g/MJ)



THE CADILLAC OF FURNACES!

Advanced combustion technology and state-of-the-art design have earned the Caddy furnace a reputation as the cleanest, most efficient furnace ever produced by PSG—and with good reason! So how do you make a star product even better? With performance-enhancing electronics that take our flagship furnace to the next level.

STREAMLINED ELECTRONICS AND CONTROLS

The electronic components and controls of the newly redesigned Caddy have been reduced to just three components for greater ease of use and efficiency:

- An **integrated PC board and RTD probe** to control blower speeds and plenum temperatures, optimizing home comfort and furnace performance.
- A blower assembly equipped with a **prewired main power board** for plug and play convenience upon installation.
- A **touch-screen LCD control** module to make input and output control a breeze.

A UNIQUE HEAT EXCHANGER SYSTEM AND OUTSTANDING EMISSIONS PERFORMANCE

The secret behind the Caddy's outstanding performance is its built-in heat exchanger system, which ensures that heat is transferred quickly and efficiently via the smoke ducts inside the furnace instead of being lost up the chimney. It uses up to 30% less firewood and reduces particulate emissions by as much as 80%. That's great news for your heating bill—and the environment!

ALTERNATE SOURCE OF HEAT

With Caddy series furnaces, you'll always have an alternate source of heat to ensure the comfort and safety of your family. The Caddy comes in four different configurations: wood-only, wood+electric combo, wood+oil combo, and wood add-on furnace.

REQUIRED COMPONENTS

- A** - Blower assembly
PA08567
- B** - Blower assembly
PA08567
• Electric element
15 kW - PA01005,
18 kW - PA01055 or
20 kW - PA01105
- C** - Blower assembly
PA08567
• Beckett oil unit
PA03055
• Riello oil unit
PA03105
- D** - 90-370 Fan relay
51035
• Transformer 120V/24 V
Class 2 - 40 VA
60368

OPTIONS

- 5" fresh air intake adapter
PA08562
- Top air return plenum kit
PA08505
- Uncased air conditioning coil
15T - BT - PA08700 or
3.5T - PA08705

⁽¹⁾ 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.

⁽¹⁾ Based on delivered heat output.

APPLIANCE PERFORMANCE ⁽²⁾

Fuel type	Dry cordwood
Firebox volume	3.6 Ft ³
Maximum burn time ⁽⁴⁾	15 h
Maximum input capacity (dry cordwood) ⁽³⁾	310,000 BTU
Overall heat output rate ⁽⁴⁾	15,436 BTU/h to 49,638 BTU/h - (4.5 kW to 14.5 kW)
Average overall efficiency ⁽⁵⁾	76.7% (HHV) ⁽⁶⁾ 82.9% (LHV) ⁽⁷⁾
Delivered heat output rate ⁽⁸⁾	12,635 BTU/h to 44,857 BTU/h - (3.7 kW to 13.1 kW)
Average delivered efficiency ⁽⁹⁾	62.7% (HHV) ⁽⁶⁾ 68.3% (LHV) ⁽⁷⁾
Optimum efficiency ⁽¹⁰⁾	84.9%
Average CO ⁽¹¹⁾	11.18 lb/mmBTU (4.81 g/MJ)
Average electrical power consumption ⁽¹²⁾	432 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
Approved for a mobile home installation	No
Weight	576 lb (259 kg)
Blower (hp / speed / CFM)	1/3 / 4 / 1,900
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)	32 1/4" X 52 7/8" X 49"
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" X 17" X 22 5/8"
Steel thickness – body	3/16"
Steel thickness – top	1/4"
Centre line of flue outlet to the side	12 7/8"
Centre line of flue outlet to the floor	44"
Clearance – front	48"
Clearance – back wall	24"
Clearance – side wall	6"
Clearance – opposite side wall	24"
Clearances – ducts	<6"=6"; >6"=1"
Clearance – recommended for maintenance on option side	24"
Wood Add-on – location of the connection with existing furnace	Left or right
Wood Add-on – air inlet duct dimensions (Height X Width)	14 1/2" X 22"
Burner – efficiency	85% (Beckett)
Burner – standard	Beckett AFG
Burner – other brands approved	Riello, Aero
Burner – location	Left or right
Burner – recommended clearance for maintenance	24"
Burner – recommended connector pipe diameter (Wood-oil)	7"
Burner – recommended exhaust pipe diameter	5"
Burner – location of exhaust pipe	Left or right
Burner – capacity at input #1	90,000 BTU (26.4 kW)
Burner – orifice at input #1	0,55 60° W (Beckett)
Burner – pump pressure at input #1	140 psi
Electric element – location	Left or right
Electric element – recommended (maximum output)	18 kW
Electric element – clearance recommended for maintenance	24"
Electric element – other optional (maximum output)	15 kW or 20 kW
Canadian standard (emissions)	CSA B415.1-10
USA standard (safety)	UL 391 3 rd , Ed. rev. 1999
Canadian standard (safety)	CSA B366.1, CSA C22.2 no 236, CSA B140.4, CSA B212-93
Tested and listed as per applicable standards by	An accredited laboratory (CAN/USA)
Warranty	Limited lifetime



⁽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 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⁾ Lower Heating Value of the fuel.

⁽⁸⁾ Delivered: Remotely provided to other rooms through ducting at 10 lb/ft³ fuel loading density over one total burn cycle.

⁽⁹⁾ Efficiency based on delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽¹⁰⁾ Optimum overall efficiency at a specific burn rate (LHV).

⁽¹¹⁾ Carbon Monoxide. Based on overall heat output at 10 lb/ft³ fuel loading density.

⁽¹²⁾ Unless stated otherwise, measures were taken directly at the main power source and include all electrical components present in the appliance.

MAX CADDY

PF01102



WOOD

Heating area ^(*)	Size	Log length	Average particulate emissions rate ^(†)
1,500 - 3,500 Ft ²	36 1/4" W X 60 1/8" D X 50 1/2" H	25"	0.753 lb/mmBTU (0.324 g/MJ)



INGENUITY 2.0

PSG's largest furnace is now even smarter, with a electronic platform that facilitates intersystem connections and makes the Max Caddy a natural choice as a core component of your whole home heating and cooling system.

THE POWER TO COMMUNICATE

Max Caddy's new streamlined electronic platform makes it easy for different systems to talk to each other. Heat pumps, air conditioners, humidifiers—the Max Caddy easily communicates with all of these appliances using standard industry symbols and practices. Easy-to-identify input and output ports and a blower assembly with prewired main board simplify installation and hookup. And PSG's touch-screen LCD control module makes input and output control a breeze.


A BENCHMARK FOR EFFICIENCY



The Max Caddy's integrated control PC board and RTD probe automatically ensures that the furnace blower is operating at optimum speed, keeping the plenum at just the right temperature. The built-in heat exchanger system ensures that heat is transferred quickly and efficiently via the smoke ducts inside the furnace instead of being lost up the chimney. The result is superior comfort and energy efficiency, with savings of up to 30% on firewood and reductions in particulate emissions up to 80%.



MULTI-ENERGY FLEXIBILITY AND PEACE OF MIND


The Max Caddy can be installed as a wood-only unit, but is also available in wood+electric, wood+oil combo, or even wood+oil+electric triple combo configurations so you can heat your home using multiple energy sources. With Caddy series furnaces, you'll always have an alternate source of heat to ensure the comfort and safety of your family.

REQUIRED COMPONENTS

A - 
• Blower assembly
PA08566

B - 
• Blower assembly
PA08566
• Electric element
20 kW - PA08535
25 kW - PA08545

C - 
• Blower assembly
PA08566
• Beckett oil unit
PA08512
• Riello oil unit
PA08513

D - 
• 90-370 Fan relay
51035
• Transformer 120V/24 V
Class 2 - 40 VA
60368

OPTIONS

- 5" fresh air intake adapter
PA08560
- Top air return plenum kit
PA08500
- Hot water loop kit for pre-heating of domestic water
PA08550
- Uncased air conditioning coil
15T - BT - PA08700 or
3.5T - PA08705

^(*) 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.

APPLIANCE PERFORMANCE ⁽²⁾

Fuel type	Dry cordwood
Firebox volume	4.9 Ft ³
Maximum burn time ⁽⁴⁾	17 h
Maximum input capacity (dry cordwood) ⁽³⁾	421,000 BTU
Overall heat output rate ⁽⁴⁾	18,424 BTU/h to 66,576 BTU/h (5.6 kW to 19.6 kW)
Average overall efficiency ⁽⁵⁾	78.9% (HHV) ⁽⁶⁾ 85% (LHV) ⁽⁷⁾
Delivered heat output rate ⁽⁸⁾	16,109 BTU/h to 54,578 BTU/h (4.7 kW to 16.0 kW)
Average delivered efficiency ⁽⁹⁾	64.8% (HHV) ⁽⁶⁾ 70.2% (LHV) ⁽⁷⁾
Optimum efficiency ⁽¹⁰⁾	85.8%
Average CO ⁽¹¹⁾	12.20 lb/mmBTU (5.25 g/MJ)
Average electrical power consumption ⁽¹²⁾	360 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
Approved for a mobile home installation	No
Weight	729 lb (331 kg)
Blower (hp / speed / CFM)	1/2 / 4 / 2,100
Filters – dimensions (Width X Height X Depth)	16" X 20" X 1"
Air return plenum – dimensions (Depth or Height)	17 7/8"
Air return plenum – dimension (Width)	19 7/8"
Hot air plenum – dimensions (Depth or Height)	32 1/8"
Hot air plenum – dimension (Width)	25 3/8"
Overall dimension (Width X Depth X Height)	36 1/4" X 60 1/8" X 50 1/2"
Door opening dimension (Width X Height)	15 3/4" X 9 7/8"
Glass surface – dimensions (Width X Height)	14 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)	15 7/8" X 20 3/8" X 26 1/4"
Steel thickness – body	3/16"
Steel thickness – top	1/4"
Centre line of flue outlet to the side	14 7/8"
Centre line of flue outlet to the floor	45 5/8"
Clearance – front	48"
Clearance – back wall	24"
Clearance – side wall	6"
Clearance – opposite side wall	24"
Clearances – ducts	<6"=6" with protection; >6"=1"
Clearance – recommended for maintenance on option side	24"
Burner – #1	Beckett - AFG
Burner – #2	Riello
Burner – location	Right or left
Burner – recommended clearance for maintenance	24"
Burner – efficiency #1	85% (Beckett)
Burner – efficiency #2	87% & 85% (Riello)
Burner – recommended connector pipe diameter (Wood-oil)	7"
Burner – recommended exhaust pipe diameter	5"
Burner – location of exhaust pipe	Right or left
Burner – capacity at input #1	90,000 BTU (Beckett)
Burner – capacity at input #2	91,000 & 120,000 BTU (Riello)
Burner – orifice at input #1	0,55 60° W (Beckett)
Burner – orifice at input #2	0,50 70° W & 0,65 70° W (Riello)
Burner – pump pressure at input #1	140 psi (Beckett)
Burner – pump pressure at input #2	150 psi & 165 psi (Riello)
Electric element – location	Right or left
Electric element – recommended (maximum output)	20 kW
Electric element – other optional (maximum output)	25 kW
Water loop kit – connection location	Right or left
Water loop kit – connecting pipe diameter	3/4"
Water loop kit – back-up tank volume	60 gal (227 L)
Canadian standard (emissions)	CSA B415.1-10
USA standard (safety)	UL 1995, UL 727, UL 391
Canadian standard (safety)	CSA B366.1, CSA C22.2 no 236, CSA B140.4, CSA B212-93
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 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⁾ Lower Heating Value of the fuel.

⁽⁸⁾ Delivered: Remotely provided to other rooms through ducting at 10 lb/ft³ fuel loading density over one total burn cycle.

⁽⁹⁾ Efficiency based on delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽¹⁰⁾ Optimum overall efficiency at a specific burn rate (LHV).

⁽¹¹⁾ Carbon Monoxide. Based on overall heat output at 10 lb/ft³ fuel loading density.

⁽¹²⁾ Unless stated otherwise, measures were taken directly at the main power source and include all electrical components present in the appliance.

CADDY ALTERNA II

PF09010



Heating area ^(*)	Size	Hopper capacity	Average particulate emissions rate ⁽¹⁾
600 - 3,000 Ft ²	29 3/8" W X 57 5/8" D X 49 1/2" H	240 lb (109 kg)	0.442 lb/mmBTU (0.190 g/MJ)



THE NEW CADDY ALTERNA II PELLET FURNACE IN THE CADDY SERIES

The Caddy Alterna II pellet furnace answers the needs of homeowners seeking the comfort of a wood-heating system without its inconveniences. Tested to the latest EPA and CSA B415.1-10 standards, the Caddy Alterna II pellet or pellet+electric combination furnace will please the most discerning consumers looking for an efficient and eco-friendly heating solution.

GREAT HEATING AUTONOMY

The new Caddy Alterna II pellet furnace offers great heating autonomy due to its 240 lb (109 kg) hopper capacity. Furthermore, its optional electrical system allows it to continue to operate when the furnace runs out of pellets.

MAINTENANCE-FREE COMPONENTS THAT PREVENT UNNECESSARY SERVICE CALLS

Other important features of the Caddy Alterna II include a self-cleaning bottom feed system that keeps the burn pot free from deposits; maintenance free components (no need to adjust, calibrate or oil); and a self-diagnostics electronic interface that prevents unnecessary service calls.

UNMATCHED RELIABILITY

All components entering the manufacture of the Caddy Alterna II are carefully selected and sourced from reputable vendors. With an all stainless steel combustion chamber and burn pot, the heart of your furnace is guaranteed to last.

ALTERNATE SOURCE OF HEAT

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. The Caddy Alterna II allows two different configurations: pellet only or combined pellet+electric.

OPTIONS

- Electric element
15 kW - PA08570 or
20 kW - PA08580
- 3" fresh air intake kit
AC01240
- Hot water loop kit for pre-heating of domestic water
PA08590
- 3" x 10' insulated flex pipe for fresh air intake kit
AC02092
- Uncased air conditioning coil
15T - BT - PA08700 or
3.5T - PA08705

^(*) 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.

⁽¹⁾ Based on delivered heat output.

APPLIANCE PERFORMANCE ⁽²⁾

Fuel type	Pellet (Premium grade or better) ⁽³⁾	
Maximum burn time ⁽⁴⁾	200 h	
Maximum heat input rate ⁽⁴⁾	101,000 BTU/h (29.6 kW)	
Overall heat output rate (min. to max.) ⁽⁵⁾	25,216 BTU/h to 72,447 BTU/h (7.4 kW to 21.2 kW)	
Average overall efficiency ⁽⁶⁾	67.9% (HHV) ⁽⁷⁾	73.2% (LHV) ⁽⁸⁾
Delivered heat output rate (min. to max.) ⁽⁹⁾	22,537 BTU/h to 64,737 BTU/h (6.6 kW to 19 kW)	
Average delivered efficiency (min. to max.) ⁽¹⁰⁾	60.5% (HHV) ⁽⁷⁾	65% (LHV) ⁽⁸⁾
Optimum efficiency ⁽¹¹⁾	82.4%	
Burn rate	1.2 lb/h - 11.8 lb/h	
Average CO ⁽¹²⁾	15.41 lb/mm BTU (6.63 g/MJ)	
Average electrical power consumption ⁽¹³⁾	860 W	

GENERAL FEATURES

Recommended chimney diameter	4"
Flue outlet diameter	4"
Type of chimney	Listed Pellet Vent
Baffle type	Stainless steel
Approved for a mobile home installation	No
Weight	573 lb (260 kg)
Blower (hp / speed / CFM)	1/2 / 4 / 1,650
Filters – dimensions (Width X Height X Depth)	16" X 20" X 1"
Air return plenum – dimensions (Depth or Height X Width)	16" X 21 1/4"
Hot air plenum – dimensions (Depth or Height X Width)	22" X 22"
Overall dimension (Height X Width X Depth)	49 1/2" X 29 3/8" X 57 5/8"
Glass surface – dimensions (Width X Height)	3" X 16"
Door type	Single, glass with cast-iron frame
Glass type	Ceramic glass
Centre line of flue outlet to the side	13 1/2"
Centre line of flue outlet to the back	26 3/4"
Clearance – front	48"
Clearance – back wall	24"
Clearance – side wall	4"
Clearance – opposite side wall	24"
Clearance – recommended for maintenance on option side	24"
Clearances – ducts	<5'=2" ; >5'=0"
Electric element – location	Right or left
Electric element – recommended (maximum output)	15 kW
Electric element – other optional (maximum output)	20 kW
Water loop kit – connection location	Right or left
Water loop kit – connecting pipe diameter	3/4"
Water loop kit – back-up tank volume	60 gal (227 L)
Canadian standard (emissions)	CSA B415.1-10
USA standard (safety)	UL 391, UL 1995
Canadian standard (safety)	CSA B366.1, CSA C22.2 no. 236
Tested and listed as per applicable standards by	An accredited laboratory (CAN/USA)
Warranty	Limited lifetime

PELLETS



⁽²⁾ Values are as measured per CSA B415.1-10, except for the recommended heating area, hopper capacity, maximum burn time and maximum heat input rate. Results may vary depending on pellet quality, density, length, and diameter.

⁽³⁾ Grades of pellet fuel are determined by organizations such as Pellet Fuels Institute (PFI), ENplus and CANplus.

⁽⁴⁾ Based on the maximum burn-rate and a dry energy value of pellet at 8,600 BTU/lb.

⁽⁵⁾ Overall: Radiated and delivered heat together.

⁽⁶⁾ Efficiency based on radiated and delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽⁷⁾ Higher Heating Value of the fuel.

⁽⁸⁾ Lower Heating Value of the fuel.

⁽⁹⁾ Delivered: Remotely provided to other rooms through ducting.

⁽¹⁰⁾ Efficiency based on delivered heat when allowing cycling from high to low burn to simulate thermostat demand.

⁽¹¹⁾ Optimum overall efficiency at a specific burn rate (LHV).

⁽¹²⁾ Carbon monoxide. Based on overall heat output.

⁽¹³⁾ Unless stated otherwise, measures were taken directly at the main power source and include all electrical components present in the appliance.

FILL YOUR PELLET HEATING APPLIANCE ONCE A MONTH!

STORAGE TANK WITH PNEUMATIC SELF-FEEDING PELLET SYSTEM

AC01460



65 3/8" W X 25 1/4" L X 59" H
(166 cm W X 64 cm L X 150 cm H)
With panel open 75 1/4" H (190.5 cm H)







INSTEAD OF HAVING TO FILL A PELLET APPLIANCE EVERY DAY, THE STORAGE TANK WITH PNEUMATIC SELF-FEEDING PELLET SYSTEM ENABLES A HOMEOWNER TO ONLY FILL THE APPLIANCE ONCE A MONTH!

This ingenious Storage Tank with Pneumatic Self-Feeding Pellet System meets the consumer's needs for time-saving and long-term heating for Central Heating Systems. Optimize your time by avoiding multiple loads. The vacuum system acts as a siphon bringing the pellets from the tank to the auxiliary discharge system in order to feed the hopper, making sure to keep it at full capacity. The pellets are therefore temporarily stored in the auxiliary discharge system before being discharged into the hopper. Also, for large pellet consumers, an additional section, available as an option, will allow the addition of 15 more bags.

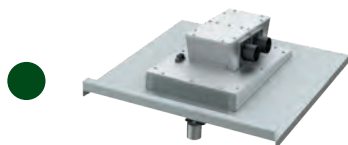
A **35 bags of pellets** **B** **6 bags of pellets** **A + B** **41 bags, equivalent to 1,640 pounds of pellets, for approximately one month of hassle-free heat.**

Even the footprint of the storage tank matches that of a typical 200-gallon oil tank, making replacement of oil with environmentally friendly pellets that much easier.

THE NEW STORAGE TANK WITH PNEUMATIC SELF-FEEDING PELLET SYSTEM (AC01460) INCLUDES:

	<p>1 A large storage tank that can hold up to 35 bags of pellets. When added to the six bags that will fit in the Alterna II Pellet Furnace's hopper, that totals 41 bags, equivalent to 1,640 pounds of pellets. That's enough for approximately one month of hassle-free heat. The storage tank is made of tough 18g galvanized steel, with adjustable legs.</p>		<p>3 A simple installation system that allows several configurations including the possibility of installing the tank at 25' from the furnace.</p>
	<p>2 A Low-maintenance, quiet (56 dB), durable, vacuum system with a powerful two-turbine motor and HEPA filter.</p>		<p>4 A mounting bracket for the vacuum system.</p>
			<p>5 A LCD control allowing to program the hours and days of operation of the system.</p>
			<p>6 Four 2"Ø X 15" anti-static flex hose.</p>

REQUIRED COMPONENTS



AUXILIARY DISCHARGE SYSTEM FOR ALTERNA II

AC01461

OPTIONS



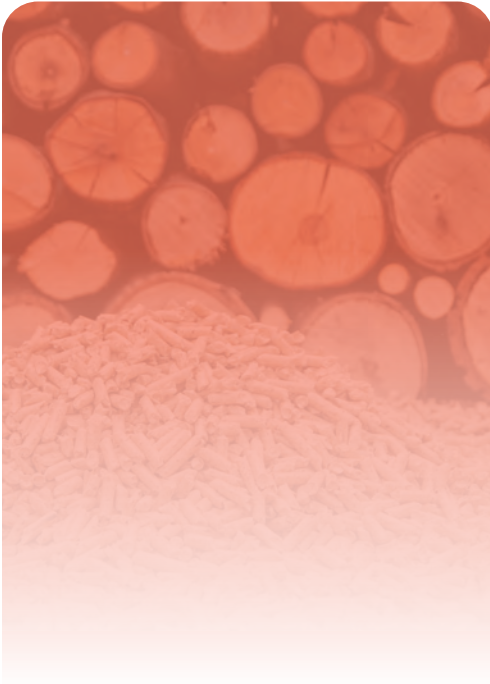
AC01460 STORAGE TANK EXTENSION
(15 additional pellet bags)

AC01462



2"Ø X 25' ANTI-STATIC FLEX HOSE

AC01465



CONTACT US

1 877-356-6663

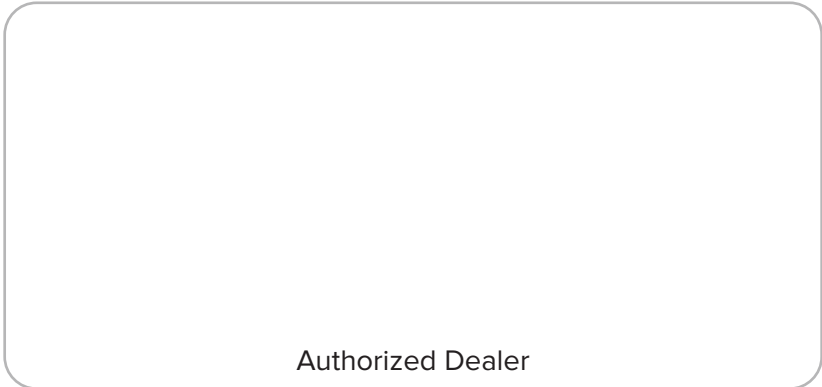
Monday - Friday: 8:00 a.m. to 12:00 - 1:00 to 5:00 p.m. (EST)

Customer Service: possiblepurchase@sbi-international.com

Technical Support: tech@sbi-international.com

AUTHORIZED DEALER

To make sure your PSG furnace provides comfort and energy saving for many years, your choice of installer is extremely important. An authorized PSG dealer will ensure that the system is optimized to deliver its full potential and installed according to Standards. The customer making the wise choice to do business with a PSG authorized dealer will benefit from the privilege warranty, in addition to enjoy a professional and hassle-free installation service.



Authorized Dealer

PUB046A

