

REGENCY CASCADES™ F2500

Medium Hybrid Wood Stove



F2500 shown with black door, pedestal and rear heat deflector.

The Regency Cascades F2500 delivers the same great looks as the F2450 with the addition of triple burn hybrid technology; delivering longer burn times, increased efficiency, and reducing emissions to an astonishing 1.4 gram/hour.

FEATURES

- Large fire viewing area, with heat radiating ceramic glass
- Wood-finished handle
- Heavy-duty cast hinges that will never bend or break
- Solid forged steel adjustable cam lock ensures a tight door seal over time
- Front-mounted air adjustment & catalytic bypass
- Air & bypass safe operation tool
- Easy-to-read catalytic thermometer helps your stove reach maximum burn times & efficiency
- High-performance brick-lined firebox reflects heat
- Non-obtrusive air wash curtain keeps glass clean
- Welded ash lip will never bend or break
- Rear heat deflector allowing for closer clearances
- Mobile home (*Approved in USA only*) and alcove approved
- 10-year, 100% coverage on the original catalyst

OPTIONS

- Cast iron door in black or nickel accent
- Pedestal base
- Wood storage pedestal
- Bottom heat shield with cast iron legs in black or brushed nickel
- Ash drawer
- 2-speed blower
- Convector airmate
- Outside air kit
- Wood venting

SPECIFICATIONS

Maximum BTU*	83,000
Typical sq. ft. heated**	1,000 - 2,200
EPA Efficiency	85% LHV / 78% HHV
Max log size	18"
Burn time	Up to 12 hours
Emissions	1.4 g/h
Firebox size	2.3 cu. ft.
Flue size	6"

* Length of burn time and BTU range depend on type of wood, moisture content, climate conditions and installation. Refer to page 15 for BTU calculation method.

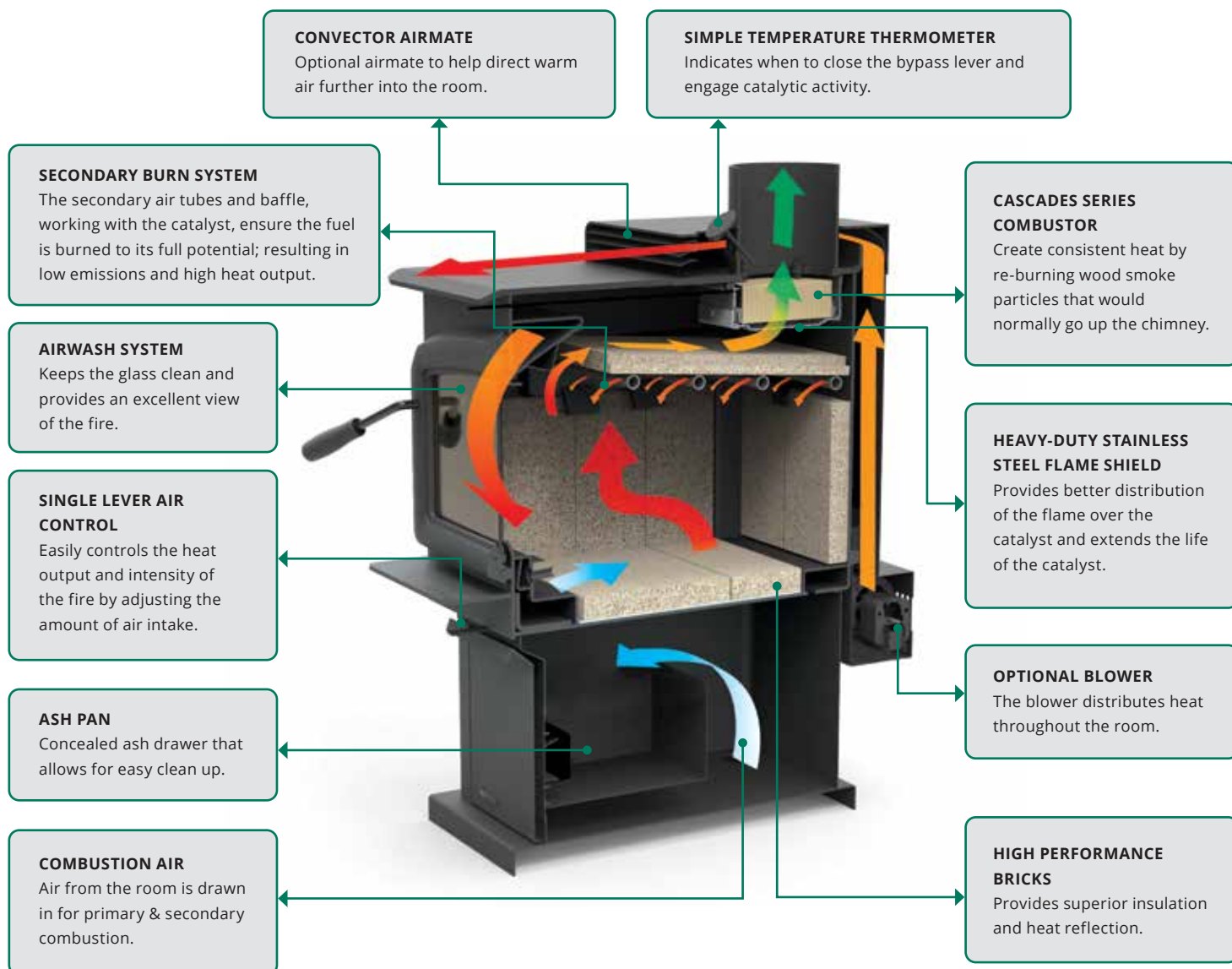
** Varies depending on home floor plan, house layout, heat loss of the house and quality/moisture content of wood.



WOOD TECHNOLOGY

CASCADES SERIES COMBUSTOR

Triple stage burn technology delivers a system of high-efficiency, clean combustion & maximum heat control, all with less wood, less loading & less effort.



CONVECTOR AIRMATE

Optional airmate to help direct warm air further into the room.

SIMPLE TEMPERATURE THERMOMETER

Indicates when to close the bypass lever and engage catalytic activity.

SECONDARY BURN SYSTEM

The secondary air tubes and baffle, working with the catalyst, ensure the fuel is burned to its full potential; resulting in low emissions and high heat output.

AIRWASH SYSTEM

Keeps the glass clean and provides an excellent view of the fire.

SINGLE LEVER AIR CONTROL

Easily controls the heat output and intensity of the fire by adjusting the amount of air intake.

ASH PAN

Concealed ash drawer that allows for easy clean up.

COMBUSTION AIR

Air from the room is drawn in for primary & secondary combustion.

CASCADES SERIES COMBUSTOR

Create consistent heat by re-burning wood smoke particles that would normally go up the chimney.

HEAVY-DUTY STAINLESS STEEL FLAME SHIELD

Provides better distribution of the flame over the catalyst and extends the life of the catalyst.

OPTIONAL BLOWER

The blower distributes heat throughout the room.

HIGH PERFORMANCE BRICKS

Provides superior insulation and heat reflection.

NOT SHOWN IN THE DIAGRAM

HEAVY-DUTY CAM LATCH

Ensures airtight seal for controlled airflow.

LEARN MORE ABOUT OUR
WOOD TECHNOLOGIES AT
regency-fire.com/videos



ACCESSORIES

CAST IRON DOORS (Classic & Cascade Series only)



Black cast iron door
(includes black hinge caps)



Nickel accent cast iron door
(includes nickel hinge caps)



Contemporary door

BASE OPTIONS



Brushed nickel cast iron legs*
(Classic & Cascade Series only)



Black cast iron legs*
(Classic & Cascade Series only)



Black Pedestal
(Included with the Pro-series)



Wood Storage Pedestal

*bottom heat shield required

CONVECTOR AIRMATE



The convector airmate scoops superheated air from the back and top of the stove and directs it to the living area in front. This heat dispersion reduces temperatures behind the unit and allows it to be installed even closer to the wall.

ASH DRAWER



The concealed and discrete ash drawer offers a convenient way to store your ashes. Use the included cover to keep the ash contained before it is disposed of outside.

NOTE: Cover is not available when installed with leg option.

SPECIFICATIONS

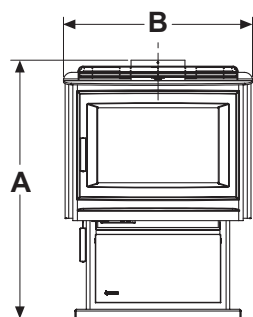
SPECIFICATIONS	F1150	F2450	F1500	F2500	F3500	F5200
Maximum BTU*	55,000	75,000	55,000	83,000	88,000	95,000
Typical sq. ft. heated**	600 - 1,200	1,000 - 2,200	600 - 1,200	1,000 - 2,200	1,500 - 2,500	1,500 - 3,000
EPA Efficiency	77% LHV 71% HHV	72% LHV 67% HHV	84% LHV 78% HHV	85% LHV 78% HHV	82% LHV 76% HHV	86% LHV 80% HHV
Max log size	18"	18"	18"	18"	20"	22"
Burn time* (up to)	Up to 8 hours	Up to 10 hours	Up to 10 hours	Up to 12 hours	Up to 24 hours	Up to 30 hours
Emissions	1.3 g/h	1.4 g/h	1.0 g/h	1.4 g/h	1.1 g/h	0.84 g/h
Firebox size	0.98 cu. ft.	2.3 cu. ft.	0.98 cu. ft.	2.3 cu. ft.	3.0 cu. ft.	4.4 cu. ft.
Flue size	6"	6"	6"	6"	6"	8"

* Length of burn time and BTU range depend on type of wood, moisture content, climate conditions and installation.

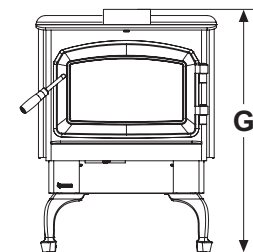
** Varies depending on home floor plan, house layout, heat loss of the house and quality/moisture content of wood.

BTU CALCULATION METHOD: Max BTUs are calculated by taking an average fillable volume of 95% of the stove's capacity, multiplied by 19.5 pounds per square foot and an average of 9100 BTUs per pound of wood. Factoring in the listed efficiency, 15% moisture content and dividing by the proven burn time at the high heat setting.

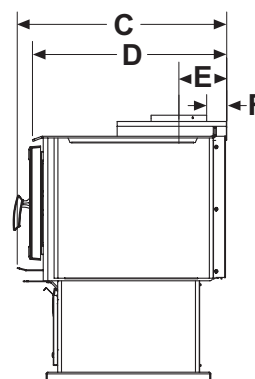
DIMENSIONS



FRONT (PEDESTAL)



FRONT (LEGS)



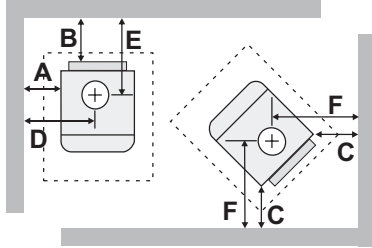
SIDE

UNITS	A	B	C	D	E	F	G
F1150	32-5/16"	24"	20"	17-3/8"	6-1/2"	--	31-7/16"
F2450	34-5/8"	24"	27-1/8"	24-13/16"	6-7/16"	--	33-7/8"
F1500	32-3/4"	24"	20"	17-3/8"	6-1/2"	--	32"
F2500	34-5/8"	25"	27-1/8"	24-13/16"	6-7/16"	--	33-7/8"
F3500	36"	26"	28"	26"	6-1/2"	3"	--
F5200	39-3/4"	29"	31-3/16"	28-15/16"	7-1/8"	3"	--

SPECIFICATIONS

MINIMUM CLEARANCE TO COMBUSTIBLE MATERIALS

Please read the section below carefully as clearances depend on whether the optional airmate convector or the rear heat deflector is installed on the stove. Measurements "From Unit" are from the top plate of the stove to a side wall or to a corner, and from the rear heat shield to a back wall.



NOTE: Be aware that local Codes and Regulations may override some clearances listed in this manual. Check with your local inspector. Clearances to combustibles are for the safety of the property. To avoid overheating and damaging the appliance these clearances should be maintained for non-combustibles also.

RESIDENTIAL INSTALLATION "C" VENT (SINGLE WALL)		FROM UNIT		FROM CORNER		FROM FLUE CENTER-LINE	
		A	B	C	D	E	F
F1150	with AirMate or with Rear Deflector	13"	10-1/2"	9"	25"	17-1/16"	21"
F2450	with AirMate	16"	9-1/2"	8"	28"	16"	20"
	with Rear Deflector	16"	11-1/2"	8"	28"	18"	20"
F1500	with AirMate or with Rear Deflector	11"	10-1/2"	9"	23"	17-1/16"	21"
F2500	with AirMate	15-1/2"	8-1/2"	6-3/4"	28"	15"	19"
	with Rear Deflector	15-1/2"	10-1/2"	6-3/4"	28"	17"	19"
F3500	with AirMate or with Rear Deflector	11"	9-1/2"	8"	24"	16"	20-1/2"
F5200	Not Approved with "C" Vent (Single Wall)						

MOBILE HOME CLOSE CLEARANCE (TO BE INSTALLED WITH REQUIRED PIPE COMPONENTS)

When the stove is installed as a close clearance residential unit, a listed double wall connector is required from the stove collar to the ceiling level.

MOBILE HOME CLOSE CLEARANCE (TO BE INSTALLED WITH REQUIRED PIPE COMPONENTS)		FROM UNIT		FROM CORNER		FROM FLUE CENTER-LINE	
		A	B	C	D	E	F
F1150	with AirMate or with Rear Deflector	11"	7"	5"	23"	13-9/16"	17"
F2450	with AirMate	15"	8"	6"	27"	14-1/2"	18"
	with Rear Deflector	15"	10"	6"	27"	16-1/2"	18"
F1500	with AirMate or with Rear Deflector	9"	5"	5"	21"	11-9/16"	17"
F2500	with AirMate	14-1/2"	7"	4-3/4"	27"	13-1/2"	17"
	with Rear Deflector	14-1/2"	9"	4-3/4"	27"	15-1/2"	17"
F3500	with AirMate or with Rear Deflector	11"	9-1/2"	8"	24"	16"	20-1/2"
F5200	with AirMate or with Rear Deflector	11"	10"	8"	25-1/2"	17-1/8"	22-1/2"

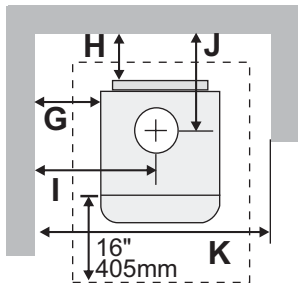
RESIDENTIAL CLOSE CLEARANCE (TO BE INSTALLED WITH REQUIRED PIPE COMPONENTS)

When the stove is installed as a close clearance residential unit, a listed double wall connector is required from the stove collar to the ceiling level.

RESIDENTIAL CLOSE CLEARANCE (TO BE INSTALLED WITH REQUIRED PIPE COMPONENTS)		FROM UNIT		FROM CORNER		FROM FLUE CENTER-LINE	
		A	B	C	D	E	F
F1150	with AirMate or with Rear Deflector	11"	7"	5"	23"	13-9/16"	17"
F2450	with AirMate	15"	8"	6"	27"	14-1/2"	18"
	with Rear Deflector	15"	10"	6"	27"	16-1/2"	18"
F1500	with AirMate or with Rear Deflector	9"	5"	5"	21"	11-9/16"	17"
F2500	with AirMate	14-1/2"	7"	4-3/4"	27"	13-1/2"	17"
	with Rear Deflector	14-1/2"	9"	4-3/4"	27"	15-1/2"	17"
F3500	with AirMate or with Rear Deflector	11"	9-1/2"	8"	24"	16"	20-1/2"
F5200	with AirMate or with Rear Deflector	11"	10"	8"	25-1/2"	17-1/8"	22-1/2"

MINIMUM ALCOVE CLEARANCE TO COMBUSTIBLE MATERIALS

The Regency® Freestanding models have been alcove approved and must be installed with a listed double wall connector to the ceiling level. Min. alcove ceiling height: 83" Max. depth of alcove is 48"

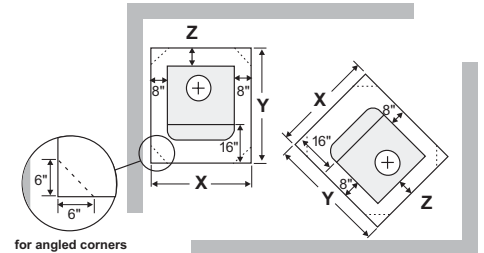


MINIMUM ALCOVE CLEARANCE		FROM UNIT		FROM FLUE CENTER-LINE		FROM WALL
		G	H	I	J	K
F1150	with AirMate or with Rear Deflector	11"	7"	23"	13-9/16"	46"
F2450	with AirMate	15"	8"	27"	14-1/2"	54"
	with Rear Deflector	15"	10"	27"	16-1/2"	54"
F1500	with AirMate or with Rear Deflector	9"	5"	21"	11-5/8"	46"
F2500	with AirMate	14-1/2"	7"	27"	13-1/2"	54"
	with Rear Deflector	14-1/2"	9"	27"	15-1/2"	54"
F3500	with AirMate or with Rear Deflector	11"	9-1/2"	24"	16"	60"
F5200	with AirMate or with Rear Deflector	11"	10"	25-1/2"	17-1/8"	63"

SPECIFICATIONS

FLOOR PROTECTION

USA FLOOR PROTECTION	X	RESIDENTIAL "C" VENT		RESIDENTIAL CLOSE CLEARANCE		MOBILE HOME CLOSE CLEARANCE		ALCOVE	
		Y	Z	Y	Z	Y	Z	Y	Z
F1150	39-3/8"	40"	8"	40"	8"	40"	8"	40"	8"
F2450	40-3/8"	47"	8"	47"	8"	47"	8"	47"	8"
F1500	39-3/8"	40"	8"	40"	8"	40"	8"	40"	8"
F2500	40-3/8"	47"	8"	48"	8"	47"	8"	47"	8"
F3500	41-5/8"	46-1/2"	8"	46-1/2"	8"	46-1/2"	8"	46-1/2"	8"
F5200	45"	Not Approved	Not Approved	51-1/8"	8"	51-1/8"	8"	51-1/8"	8"



NOTE : In Canada, floor protection must extend 18" (457mm) to the front and 8" (203mm) to back of the stove.
If the rear clearance to combustibles is less than 6" (for corner installations) the rear corners may be angled to take advantage of the closer clearances.

CANADA FLOOR PROTECTION	X	RESIDENTIAL "C" VENT		RESIDENTIAL CLOSE CLEARANCE		MOBILE HOME CLOSE CLEARANCE		ALCOVE	
		Y	Z	Y	Z	Y	Z	Y	Z
F1150	39-3/8"	42"	8"	42"	8"	42"	8"	42"	8"
F2450	40-3/8"	49"	8"	49"	8"	49"	8"	49"	8"
F1500	39-3/8"	42"	8"	42"	8"	42"	8"	42"	8"
F2500	40-3/8"	49"	8"	49"	8"	49"	8"	49"	8"
F3500	41-5/8"	48-1/2"	8"	48-1/2"	8"	48-1/2"	8"	48-1/2"	8"
F5200	45"	Not Approved	Not Approved	53-1/8"	8"	53-1/8"	8"	53-1/8"	8"

USA FLOOR PROTECTION CORNER HEARTH REQUIREMENTS	RESIDENTIAL "C" VENT				RESIDENTIAL CLOSE CLEARANCE			
	L	M	N	O	L	M	N	O
F1150	39-3/8"	55-3/16"	48-11/16"	20-7/8"	39-3/8"	49-1/2"	44-11/16"	16-7/8"
F2450	40-3/8"	61-7/16"	53-7/16"	24-15/16"	40-3/8"	58-9/16"	51-7/16"	22-15/16"
F1500	39-3/8"	55-3/16"	48-11/16"	20-7/8"	39-3/8"	49-1/2"	44-11/16"	16-7/8"
F2500	40-3/8"	59-5/8"	52-1/4"	23-11/16"	40-3/8"	56-13/16"	50-1/4"	21-11/16"
F3500	41-5/8"	63"	53-5/8"	24-3/16"	41-5/8"	63"	53-5/8"	24-3/16"
F5200	Not approved				45"	73-1/2"	63-11/16"	31-7/8"

Reference only when hearth pad is installed to rear wall at minimum pipe clearances.

CANADA FLOOR PROTECTION CORNER HEARTH REQUIREMENTS	RESIDENTIAL "C" VENT				RESIDENTIAL CLOSE CLEARANCE			
	L	M	N	O	L	M	N	O
F1150	39-3/8"	57-3/16"	50-1/8"	22-1/4"	39-3/8"	51-1/2"	46-1/8"	18-1/4"
F2450	40-3/8"	63-7/16"	54-7/8"	26-5/16"	40-3/8"	60-9/16"	52-7/8"	24-5/16"
F1500	39-3/8"	57-3/16"	50-1/8"	22-1/4"	39-3/8"	51-1/2"	46-1/8"	18-1/4"
F2500	40-3/8"	61-5/8"	53-5/8"	25-1/16"	40-3/8"	58-13/16"	51-5/8"	23-1/16"
F3500	41-5/8"	65"	55"	25-5/8"	41-5/8"	65"	55"	25-5/8"
F5200	Not approved				45"	75-1/2"	64-11/16"	33-7/8"

Reference only when hearth pad is installed to rear wall at minimum pipe clearances.

DISCLAIMER: Please always refer to the manual for the latest up to date installation details.

