

# REGENCY CASCADES™ F1500

## Small Hybrid Wood Stove



F1500 shown with nickel accent door, bottom heat shield, black legs and rear heat deflector.

The Regency Cascades F1500 small wood stove featuring Eco-Boost triple burn technology is a highly-efficient heater in a compact body that delivers exceptional heating capacity, long burn times, and low emissions.

### FEATURES

- EPA 2020 certified
- 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
- Air operating safety tool
- High-performance brick-lined firebox reflects heat
- Non-obtrusive air wash curtain keeps glass clean
- Heavy gauge steel log retainers to stop logs from rolling
- Welded ash lip will never bend or break
- Rear heat deflector allowing for closer clearances
- Mobile home and alcove approved

### OPTIONS

- Cast iron door with heat radiating ceramic glass in black or nickel accent
- Contemporary door (Black only)
- Pedestal base
- Bottom heat shield with cast iron legs in black or brushed nickel
- Ash drawer
- Variable-speed blower
- Convector airmate
- Outside air kit
- Mobile home kit
- Wood venting

### SPECIFICATIONS

|                          |                   |
|--------------------------|-------------------|
| Maximum BTU*             | 55,000            |
| Typical sq. ft. heated** | 600 - 1,200       |
| EPA Efficiency           | 84% LHV / 78% HHV |
| Max log size             | 18"               |
| Burn time                | Up to 10 hours    |
| Emissions                | 1.0 g/h           |
| Firebox size             | 0.98 cu. ft.      |
| Flue size                | 6"                |



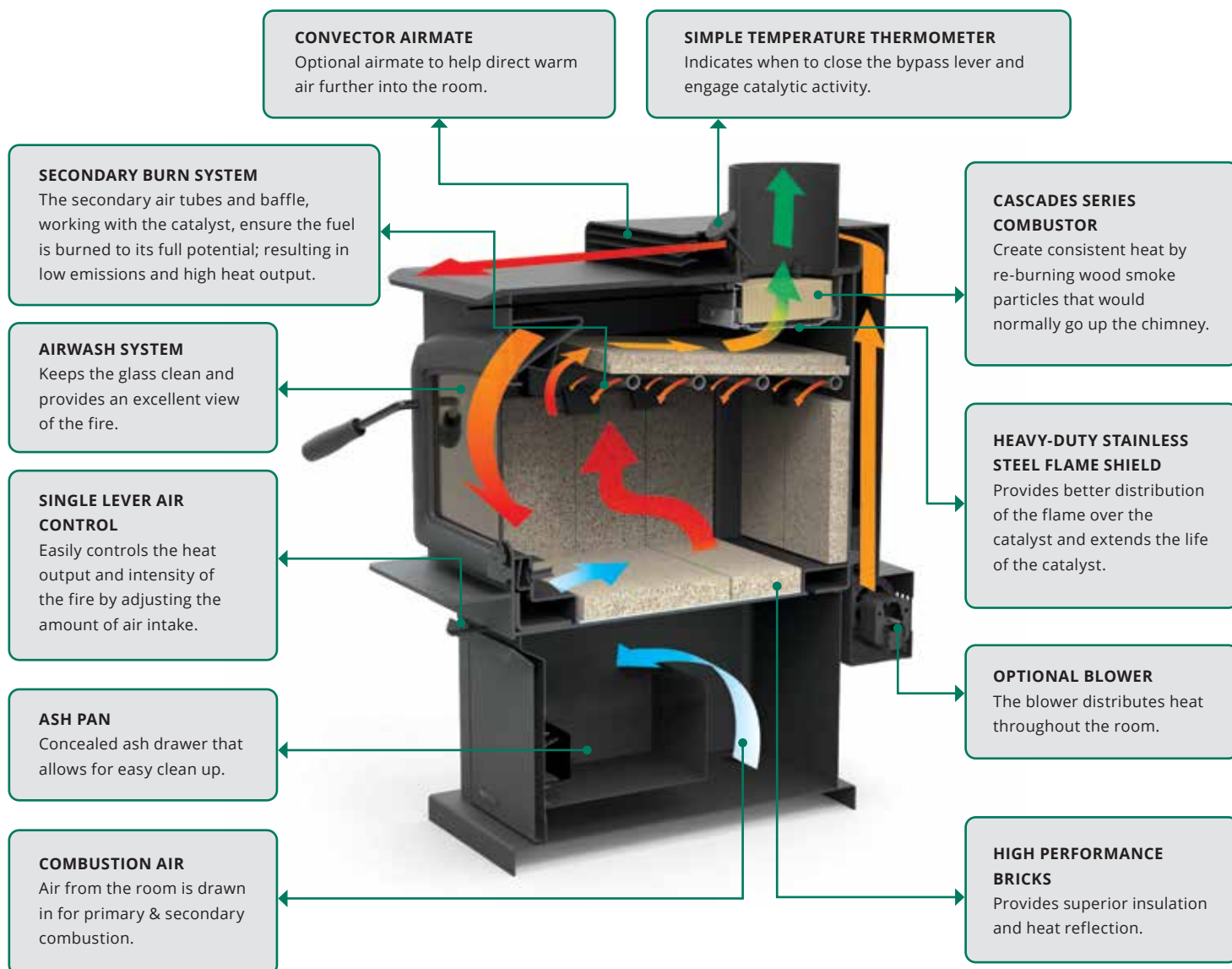
\* Length of burn time and BTU range depend on type of wood, moisture content, climate conditions and installation. Refer to page 15 for BTU calculation method.

\*\* 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.



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](https://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

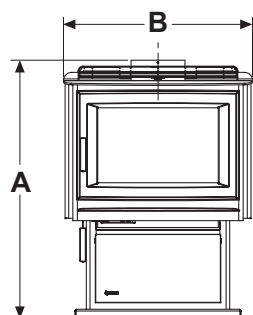
| SPECIFICATIONS           | F1150              | F2450              | F1500              | F2500              | F3500              | F5200              |
|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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<br>71% HHV | 72% LHV<br>67% HHV | 84% LHV<br>78% HHV | 85% LHV<br>78% HHV | 82% LHV<br>76% HHV | 86% LHV<br>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.

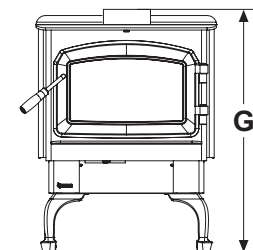
\*\* Varies depending on home floor plan, house layout, heat loss of the house and quality/moisture content of wood.

**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.

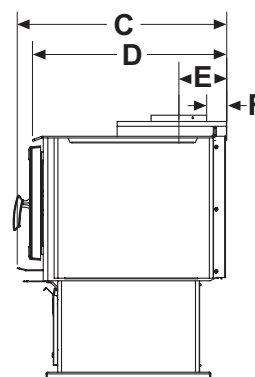
## DIMENSIONS



FRONT (PEDESTAL)



FRONT (LEGS)



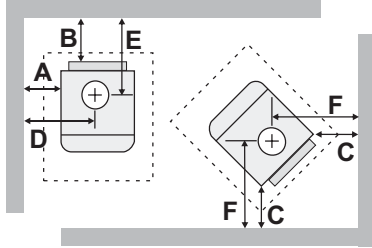
SIDE

| 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<br>"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" |

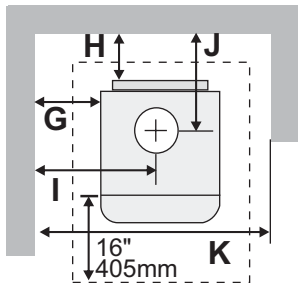
### RESIDENTIAL CLOSE CLEARANCE (TO BE INSTALLED WITH REQUIRED PIPE COMPONENTS)

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"

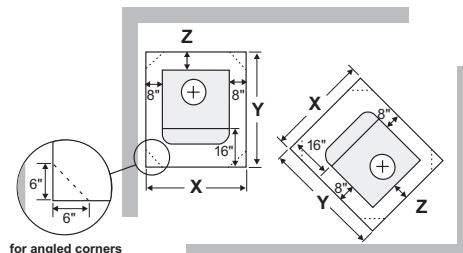


| MINIMUM ALCOVE CLEARANCE |                                     | FROM UNIT |        | FROM FLUE CENTER-LINE |          | FROM WALL |
|--------------------------|-------------------------------------|-----------|--------|-----------------------|----------|-----------|
|                          |                                     | 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.

