

## WOOD INSERTS | SPECS



MODELS	Matrix 1900 Tapered insert	1700 Insert	Inspire 2000 Insert	2000 Insert	Matrix Insert	Matrix 2700 Tapered insert	3500 Insert
Color	Metallic Black						
Combustion technology	Non-catalytic						
Maximum burn time (Note 1)	7 hours	6 hours	8 hours	8 hours	8 hours	8 hours	10 hours
Recommended heating area (Note 1)	250 to 1,200 sq. ft.	500 to 1,800 sq. ft.	500 to 2,100 sq. ft.	500 to 2,100 sq. ft.	500 to 2,100 sq. ft.	750 to 2,200 sq. ft.	1,000 to 2,700 sq. ft.
Maximum heat output - dry cordwood	45,000 BTU/h (13.18 kW)	65,000 BTU/h (19.0 kW)	75,000 BTU/h (22.0 kW)	75,000 BTU/h (22.0 kW)	75,000 BTU/h (22.0 kW)	80,000 BTU/h (23.44 kW)	110,000 BTU/h (32.2 kW)
Average particulate emissions rate	1.5 g/h	1.26 g/h	1.54 g/h	1.54 g/h	1.54 g/h	1.14 g/h	1.32 g/h
Glass viewing area (W x H)	18" x 8 1/8"	15 3/4" x 9 3/8"	20 1/4" x 9 1/2"	17 1/8" x 10 1/4"	19 5/8" x 11 7/8"	24 3/8" x 12 5/8"	19" x 11 3/4"
Maximum log length	17"	18"	20"	20"	20"	20"	22"
Recommended log length:	16"						
Optimum efficiency	82%	78%	77%	77%	77%	74%	77%
Flue spigot diameter	6"						
Door frame	Cast iron	Cast iron	Steel	Cast iron	Cast iron	Cast iron	Cast iron
Glass type	Ceramic glass						
Adjustable handle	Yes						
Self-cleaning glass system	Yes						
Warranty	Lifetime, limited						
Test standard - Safety	According to UL 1482, UL 737, ULC S628, NFPA 211 and CSA B365 applicable in Canada and the United States						
Test standard - Emissions / efficiency	EPA / CSA B415.1-10						

Note 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 heated area for a given appliance is defined by the manufacturer as its capacity to maintain a minimum acceptable temperature in the designated area in case of a power failure.

## WOOD INSERTS | DIMENSIONS AND CLEARANCES

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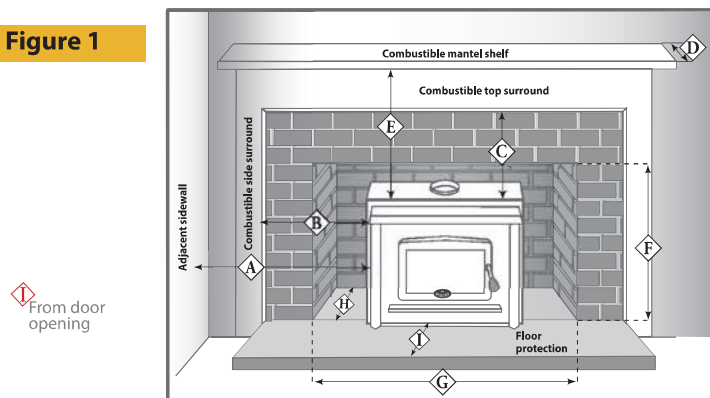
### Dimensions and weight

Door opening size (W x H)	18 1/4" x 7 7/8"	17 1/4" x 8 3/4"	20" x 8 1/4"	17 1/2" x 9"	17 1/2" x 8 3/4"	25 3/8" x 10 1/2"	19" x 9 7/8"
Firebox dimensions (W x H x D)	19 1/4" x 8 7/8" x 12 3/8"	19 5/8" x 13 1/2" x 11 7/8"	21" x 11 3/4" x 16 3/4"	21" x 11 7/8" x 16 3/4"	21" x 11 7/8" x 16 3/4"	20 1/2" x 12 7/8" x 12 3/8"	22 7/8" x 12 7/8" x 20 1/8"
Firebox volume	1.2 cu. ft.	1.9 cu. ft.	2.4 cu. ft.	2.4 cu. ft.	2.4 cu. ft.	2.5 cu. ft.	3.5 cu. ft.
Height	20 1/4"	21 1/4"	24 3/8"	23 1/8"	25 1/8"	30 1/8"	24 7/8"
Width	28 1/4"	27 1/8"	28 1/2"	28 3/8"	36 1/8"	43 5/8"	30 3/8"
Depth	21"	22 3/8"	20 3/4"	26 3/8"	23 1/8"	24 7/8"	29"
Weight	332 lb (150 kg)	361 lb (164 kg)	420 lb (191 kg)	407 lb (185 kg)	484 lb (220 kg)	535 lb (243kg)	540 lb (245 kg)

### Clearances from unit to combustible materials (see figure 1)

A- Adjacent sidewall	16"	16"	16"	16"	16"	19"	19"
B- Combustible side surround	1"	9"	9"	9"	9"	9 1/2"	9"
C- Combustible top surround	1"	27"	27"	27"	27"	12"	27"
D- Maximum depth of a combustible shelf	12"	12"	12"	12"	12"	12"	12"
E- Minimum clearance from a combustible mantle shelf	15 1/4"	27"	27"	27"	27"	12"	27"
F, G, H- Minimum fireplace opening (Height x Width x Depth)	25 1/2" x 15 1/2" x 19"	21 1/2" x 27 1/2" x 12 7/8"	24 5/8" x 29" x 20 3/4"	23 3/8" x 28 7/8" x 15 3/4"	23 3/8" x 28 7/8" x 19 5/8"*	27 1/8" x 31 3/4" x 22 1/8"	26 1/4" x 31" x 18 3/8"
I- Minimum floor protection in front of unit (CAN / USA)	18" / 16"	18" / 16"	18" / 16"	18" / 16"	18" / 16"	18" / 16"	27"

**Figure 1**



\* The depth of the Matrix and Matrix 2700 may vary with the use of the projection kit. Consult the install manual for details.

*Technical data & sizes contained in this brochure are for reference only. Any installation must be done according to the data and drawings detailed in the owner's manual.*