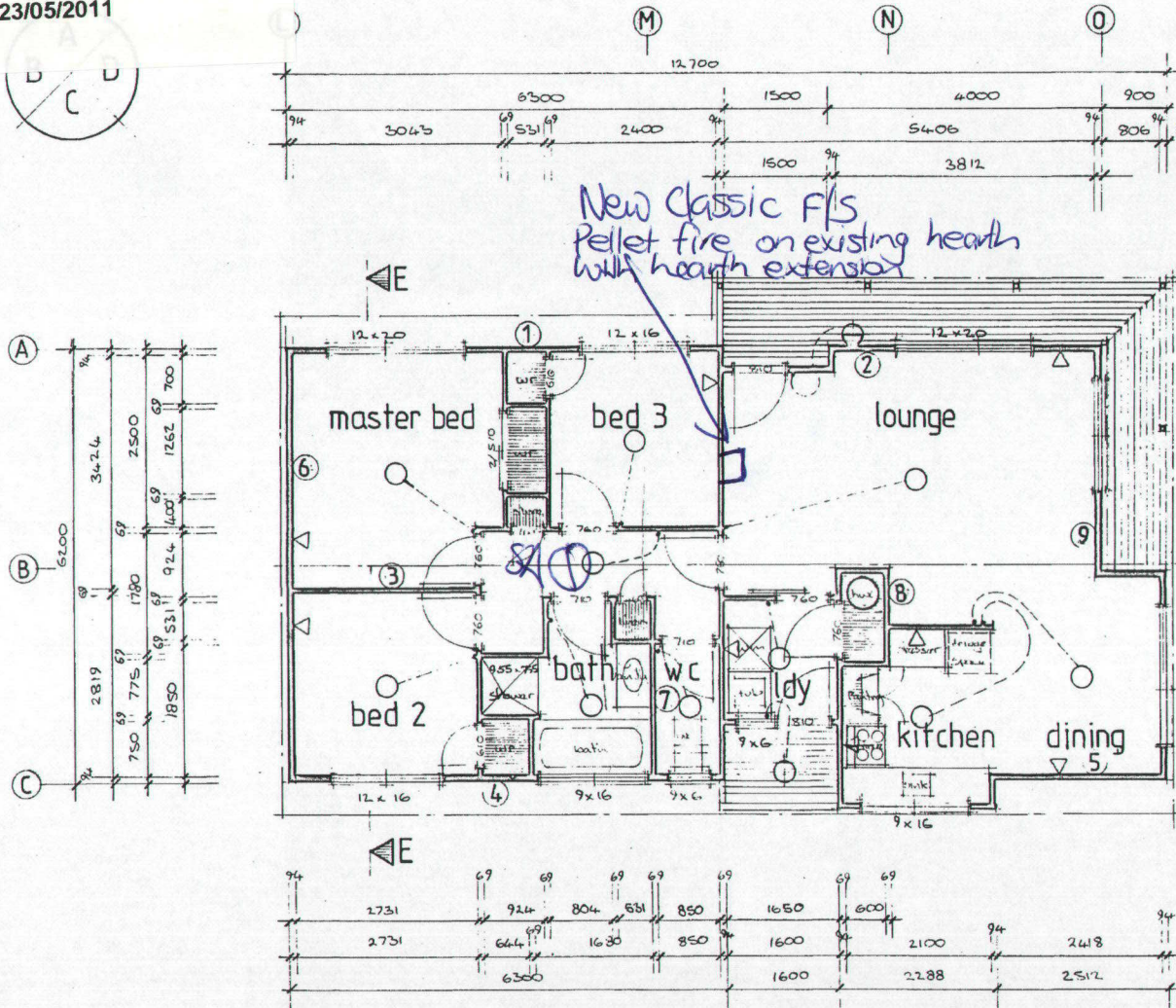




RRD001PHXI

Document Number: **RDC-191762**Date Registered: **23/05/2011**

floor plan 1:50

PLANS APPROVED SUBJECT TO PRIVATE  
REQUIREMENTS OF THE BUILDING  
ACT 2004 BEING FULLY COMPLIED  
WITH

DATE: 17/5/11  
OFFICER: H Ferguson  
CONSENT NO: 67541

## SCHEDULED SPECIFIC VARIATIONS

- Foundation: Tensipole
- Base sheathing: Hardiflex
- Exterior sheathing: Hardiplank
- Roof: Colour Steel
- Exterior joinery: Powder coat aluminium with ex 25mm grooved liners
- Interior linings: walls 9.5mm fib board  
Ceilings: 9.5mm taped sub board
- Building to comply to NZS 3601 and local authority bylaws
- Standard riser and toilet seat
- Clearlite bath
- HMC taps
- Stainless steel sink top
- Formica bench tops
- Stainless steel tub with unit
- Vanity unit to match kitchen units with formica tops
- Melitta prefinished kitchen units
- Harley PVC spouting and down pipe
- 150 litre hot water cylinder
- Light switches and points PDL 200 series
- Four plate white automatic range
- Points: Lights 12
- Standard toilet roll holder and towel rail
- Interior doors: Paint Quality
- Wall paper: Allow PC sum of \$12.00 per roll

## ELECTRICAL KEY

Ceiling light	○	Shaver point	⚡
External ceiling light	⊕	TV aerial	Ⓜ
Wall light	⊙	Range connection	Ⓜ
External wall light	⊕	Telephone point	Ⓜ
Power outlet	Ⓜ	Light switch	Ⓜ

## BRACING SCHEDULE

Wind area: Low Earthquake zone: B  
Earthquake BU's x GPA — 2 x 7.8 = 15.6  
Wind BU's x along — 12.7 x 1.3 = 16.5  
Wind BU's x across — 6.2 x 1.8 = 11.1

1	2	3	4	5	6	7	8	
total	wall line	wall	bracing	element	provided			
BU's req	table	BU's	sub Net	type	rating	length	BU's pro	
along	A	Ext	1	1	4.2	2.4	100	
		12.7	2	3	6.2	0.9	60	
	B	Int	3	2	6.2	2.4	14.8	
		70					14.8	
	C	Ext	4	1	4.2	2.1	3.8	
		12.7	5	1	4.2	2.4	100	
	2.2.8	TOTAL	32.4				TOTAL	
							18.8	
	across	L	Ext	6	1	4.2	2.4	100
			62					100
M		Int	7	2	6.2	2.4	14.8	
		70					14.8	
N		Int	8	2	6.2	7.1	130	
		70					130	
O		Ext	9	1	4.2	1.9	8.1	
		62					8.1	
15.6		TOTAL	264				TOTAL	
							459	

COPY COUNCIL



United Homes Ltd  
131 Lake Road  
P.O. Box 2248  
Rotorua  
Telephone 479-179



CLIENT

ASPEN

Job: 248

Unit B

DESIGNED	DRAWN	SHEET
DATE	AREA	
19-sept-85	75.135 m <sup>2</sup>	
JOB No	SCALE	OF
84122	as shown	



**PIM/BC**  
# 67541  
**SPECIFICATIONS**

**DIMENSIONS - FREESTANDING:**

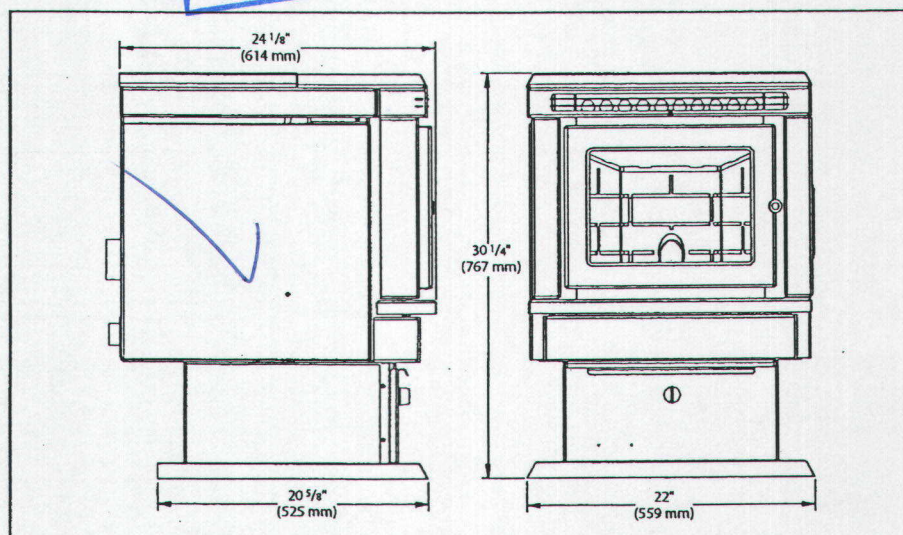


Figure 1: Dimensions of EF2 Classic Freestanding.

**DIMENSIONS - FIREPLACE INSERT AND BUILT-IN HEATER:**

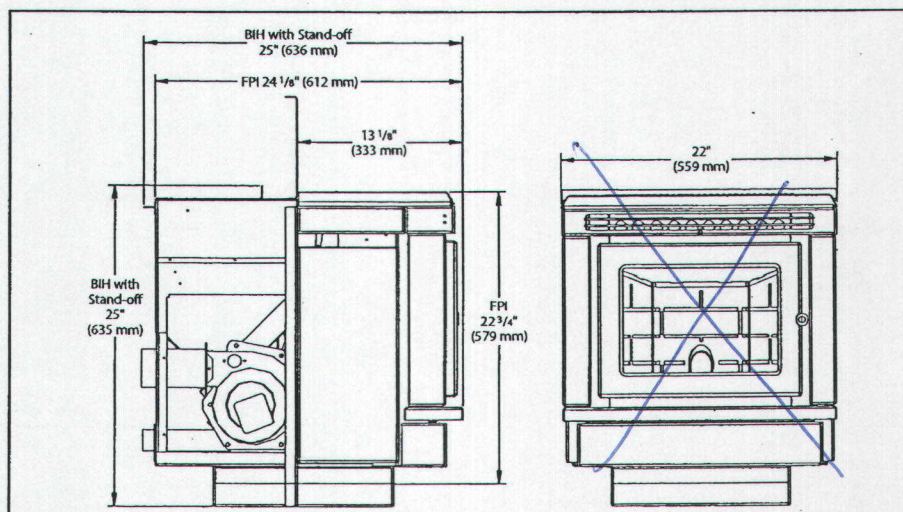


Figure 2: Dimensions of EF2 Classic Fireplace Insert and Built-In Heater.



## INSTALLATION

### CLEARANCES TO COMBUSTIBLES - FREESTANDING:

When installing this unit on a combustible floor (for example linoleum, hardwood flooring) a non-combustible hearth pad must be under the unit. The pad must extend at least the width of the appliance [22" (558 mm)] and at least the depth of the appliance plus 6" (153 mm) in front of the appliance [29 3/4" (756 mm)].

Side wall to unit	- 6 inches	(15 cm)
Back wall to unit	- 1 inches	(2.5 cm)
Corner to unit	- 1 inches	(2.5 cm)
Door front to edge of floor protection	- 6 inches	(15 cm)

These dimensions are minimum clearances but it is recommended that you ensure sufficient room for servicing, routine cleaning and maintenance.

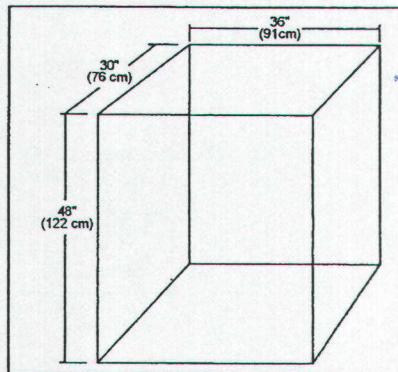


Figure 5: EF2 Classic Freestanding Minimum Alcove Size.

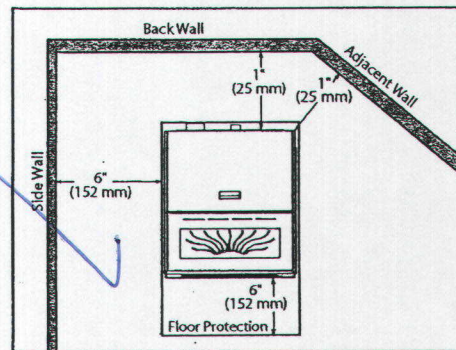


Figure 4: EF2 Classic Freestanding Clearance to Combustibles.

Minimum Alcove width	- 36 inches	(91 cm)
Minimum Alcove height	- 48 inches	(122 cm)
Minimum Alcove depth	- 30 inches	(76 cm)

### CLEARANCES TO COMBUSTIBLES - FIREPLACE INSERT:

Refer to Figure 6.

Side wall to unit	- 8 inches	(20.3 cm)
Mantel projection	- 10 inches	(25.4 cm)
Mantel to top of unit	- 8 inches	(20.3 cm)
Top facing to unit	- 8 inches	(20.3 cm)
Side facing to unit	- 6 inches	(15.2 cm)
Floor protection	- 6 inches	(15.2 cm)

on either side and to the front must be protected by non-combustible material.

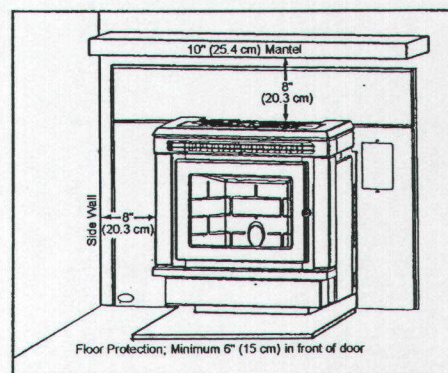


Figure 6: EF2 Classic Fireplace Insert Clearance to Combustibles.



## INSTALLATION

### VENT TERMINATION REQUIREMENTS:

IT IS RECOMMENDED THAT YOUR PELLET STOVE BE INSTALLED BY AN AUTHORIZED DEALER/INSTALLER.

Table 1: Use in conjunction with Figure 11 for allowable exterior vent termination locations.

Letter	Minimum Clearance	Description
A	61cm (24 in)	Above grass, top of plants, wood, or any other combustible materials.
B	122 cm (48 in)	Beside/below any door or window that may be opened. (46 cm (18") if outside fresh air install.)
C	30 cm (12 in)	Above any door or window that may be opened. (23 cm (9") if outside fresh air install.)
D	61cm (24 in)	To any adjacent building, fences and protruding parts of the structure.
E	61cm (24 in)	Below any eave or roof overhang
F	30 cm (12 in)	To outside corner.
G	30 cm (12 in)	To inside corner, combustible wall (vertical and horizontal terminations).
H	91 cm (3 ft) within a height of 4.5 m (15 ft) above the meter/regulator assembly	To each side of center line extended above natural gas or propane meter/regulator assembly or mechanical vent.
I	91 cm (3 ft)	From any forced air intake of other appliance
J	30 cm (12 in)	Clearance to non-mechanical air supply inlet to building, or the combustion air inlet to any appliance.
K	61cm (24 in)	Clearance above roof line for vertical terminations.
L	2.13 m (7 ft)	Clearance above paved sidewalk or paved driveway located on public property.

1. Do not terminate the vent in any enclosed or semi-enclosed areas such as a carport, garage, attic, crawlspace, narrow walkway, closely fenced area, under a sundeck or porch, or any location that can build up a concentration of fumes such as stairwells, covered breezeway, etc.

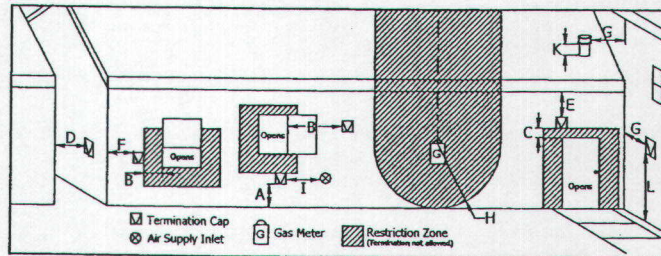


Figure 11: Use in conjunction with Table 1 for allowable exterior vent termination locations.

2. Vent surfaces can become hot enough to cause burns if touched by children. Non-combustible shielding or guards may be required.
3. Termination must exhaust above the inlet elevation. It is recommended that at least five feet of vertical pipe be installed outside when the appliance is vented directly through a wall, to create some natural draft to prevent the possibility of smoke or odor during appliance shut down or power failure. This will keep exhaust from causing a nuisance or hazard from exposing people or shrubs to high temperatures. In any case, the safest and preferred venting method is to extend the vent through the roof vertically.
4. Distance from the bottom of the termination and grade is 30 cm (12 in) minimum. This is conditional upon the plants and nature of grade surface. The exhaust gases are hot enough to ignite grass, plants and shrubs located in the vicinity of termination. The grade surface must not be lawn.
5. If the unit is incorrectly vented or the air to fuel mixture is out of balance, a slight discoloration of the exterior of the house might occur. Since these factors are beyond the control of Sherwood Industries Ltd, we grant no guarantee against such incidents.

NOTE: Venting terminals shall not be recessed into walls or siding.



## INSTALLATION

### INSIDE VERTICAL INSTALLATIONS - FREESTANDING:

1. Choose a stove location that is ideal. See the section "DECIDING WHERE TO LOCATE YOUR PELLET APPLIANCE."
2. Place a non-combustible hearth pad where necessary.
3. Place the unit on the hearth pad (if installed on a carpeted surface) and space the unit in a manner so when the pellet vent is installed vertically, it will be 100mm (4") away from a combustible wall.
4. Locate the center of the fresh air intake pipe on the unit. Match that center with the same point on the wall and cut a hole about 40mm (1 5/8") in diameter.
5. Install the fresh air intake pipe.
6. Install the tee with clean out.
7. Install the pellet vent upward from there. When you reach the ceiling, make sure that the vent goes through the ceiling fire stop. Maintain a 100mm (4") distance to combustibles and keep attic insulation away from the vent pipe. Maintain an effective vapor barrier.
8. Finally, extend the pellet vent to go through the roof flashing.
9. Ensure that the rain cap is approximately 900 mm (36") above the roof.

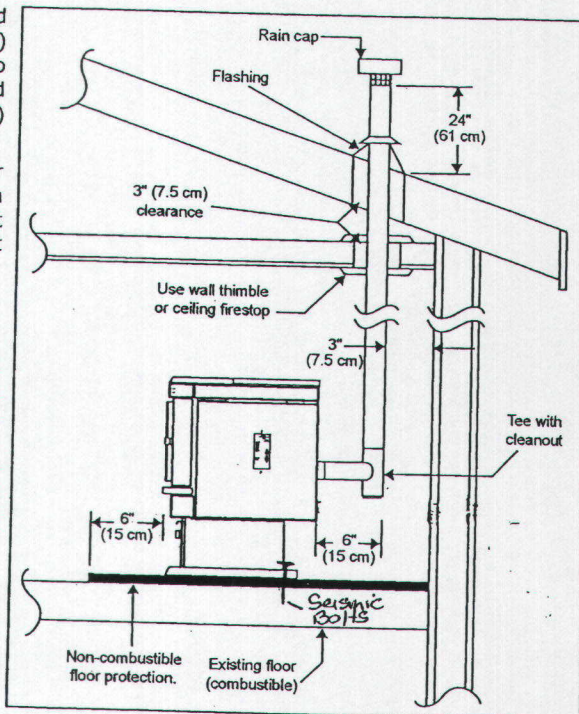


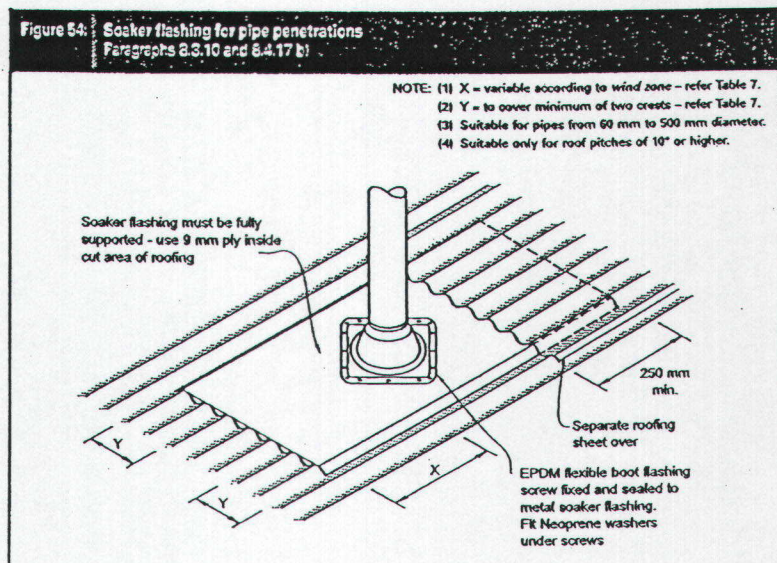
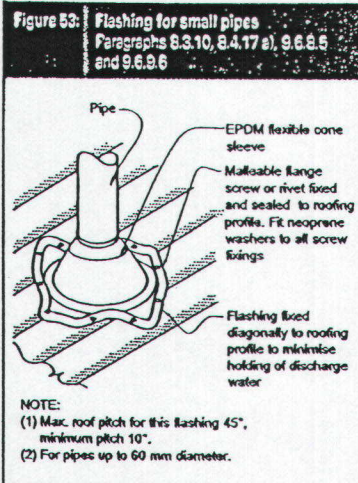
Figure 21: Inside Vertical Installation.

### OUTSIDE VERTICAL INSTALLATIONS - FREESTANDING:

To accomplish a outside vertical pipe installation, follow steps 1 through 5 in the "INSIDE VERTICAL INSTALLATIONS - FREESTANDING" section and then finish it by performing the following (refer to Figure 22).

1. Install a tee with clean out on the outside of the house.
2. Install vent pipe upward from the tee. Make sure that you install support brackets to keep the vent straight and secure.
3. Install ceiling thimble and secure the flashing as you go through the roof.
4. Ensure that the rain cap is approximately 900 mm (36") above the roof.







**COUNCIL  
COPY**

t r a d i t i o n a l   r a n g e

# Get comfortable with the classic wood pellet fire



The classic wood pellet fire delivers comforting warmth, circulating heat quickly and efficiently to warm the entire room. Available as a free-standing model, the classic's traditional lines will suit a new home or a retro-fit, while the look and feel of a real flame simply can't be beaten for romance, ambience and comfort.

- 82% efficient
- 9.5kW maximum heat output
- Runs on renewable, sustainable, wood pellet fuel
- Push button technology for easy operation
- Proven performance in North America, now available in New Zealand.





## Features & Benefits

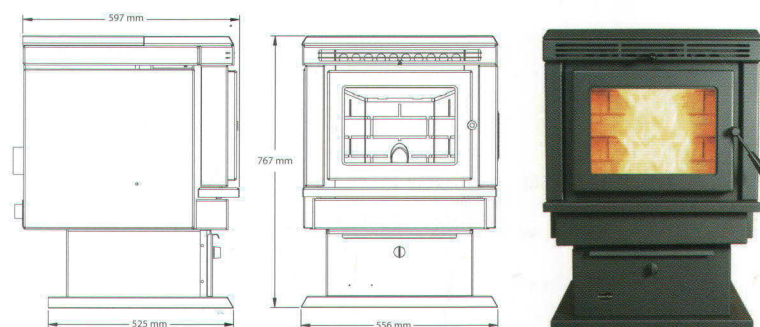
- Free-standing design  
fits easily into many spaces
- Fan assisted heating  
efficiently circulates warm air around the room  
heating it quickly
- Burns renewable, NZ made, low  
emission pellet fuel  
virtually smoke free combustion for healthy,  
clean air
- Automatic ignition  
easy to use for cleaner, faster, 'no fuss'  
warmth
- Highly efficient  
produces virtually no smoke and leaves very  
small amounts of ash
- Clean Air approved, National  
Environmental Standards



Made from pure New Zealand radiata pine wood waste, wood pellets made by Nature's Flame are uniform in shape, low

in moisture and high in energy. Wood pellets are an economic, clean, fuel alternative which burn with very low emissions and barely any ash. Easy to store, good for the planet, and easy on your pocket, wood pellets are the fuel of the future.

## Dimensions

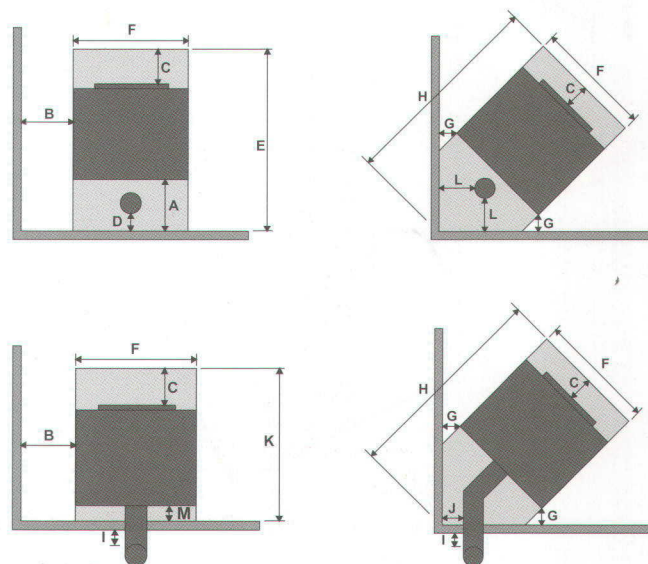


## Performance

Efficiency	82%
Maximum heat output	9.5kW
Hopper capacity	20kg
House type*	small to medium

\*Subject to insulation levels

## Clearance to combustibles



Model	A	B	C	D	E	F	G	H	I	J	K	L	M
Classic FS	210	100	150	105	950	750	100	1170	70	310	850	300	100



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Version: 1, Version Date: 23/05/2011

Dealer Stamp

