



Installation Instructions

Razen CS1 Cookstove

General notes

- All local regulations, including those referring to national and European standards needs to be complied with when installing this appliance.
- Check all parts are fitted correctly including firebricks and hotplate.
- Before leaving the installation demonstrate the operation of the appliance to the user. Explain all controls and access to the flue ways for cleaning.

Ventilation

- The appliance requires free air ventilation equivalent to 30cm² air vent
- Any air inlet grilles should be positioned so that they are not liable to blockage.
- An air extraction device shall not be used in the same room as the appliance unless adequate additional ventilation is provided.
- Other heating appliances requiring air for combustion shall not be used in the same room as the appliance unless adequate additional ventilation is provided.

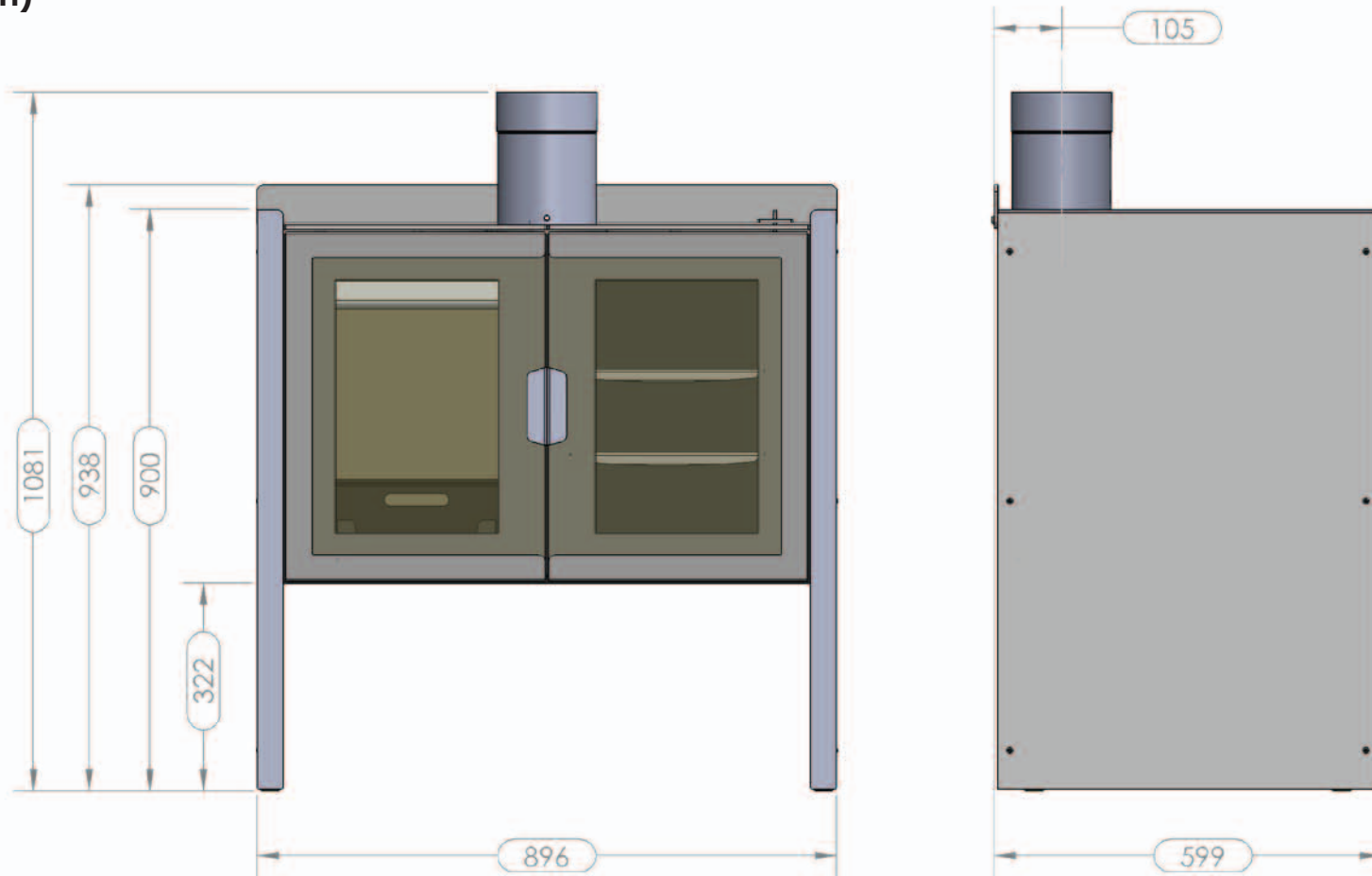
Chimney

- Inspect the chimney and flue prior to installation. Remedy any cracks, voids and obstructions, and sweep as necessary.
- The single wall flue pipe used to connect the appliance to the chimney is 6" (150mm) in diameter.
- The chimney should have an internal cross section of no less than 320 cm² (equivalent to 200mm diameter.)
- If a flue liner is used, it should be 6" diameter and be made of suitable material for burning wood.
- If the appliance is installed as a freestanding appliance, it should not support any part of the chimney.
- The chimney should not be shared with any other appliances.
- External flues must be insulated to prevent heat loss.
- The installation must provide access for chimney sweeping, flue cleaning, and inspection of the flue ways.
- Avoid using bends greater than 45° to the vertical. All flue pipe sections should be as close to the vertical as possible.
- All joints in the flue system must be effectively sealed and sockets must face upwards.

Flue Draught

- The minimum flue draught required for nominal total heat output is 12 Pascals (0.05 wg).
- Excessive flue draught can be remedied by fitting a flue draught stabiliser.

Dimensions (mm)



Clearances from combustible materials

Any adjacent combustible material should be far enough away from the cookstove so as not to rise 60°C above the room temperature when the cooking stove is in operation. The minimum required clearance to combustible material is:

at the sides	5mm
at the back	500mm

Note: The space beneath the appliance is not a fuel storage area.

Technical Data

Model	CS1
Nominal heat output kW	10.6
Air vent size cm ²	30
Weight kg	200
Mean flue gas temperature °C	302
Flue gas mass flow g/s	9.4
Total efficiency %	75.2
Side clearance to combustibles mm	5
Rear clearance to combustibles mm	500
Test Standard	BS EN 12815:2001
Maximum log length mm	500

Requirements to maintain nominal heat output of 10.6kW:

Refuelling period hrs	1
Mass of wood per refuel (test fuel beech) kg	3.4
Flue draught Pascals	12



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