

Planning the Walltherm® installation

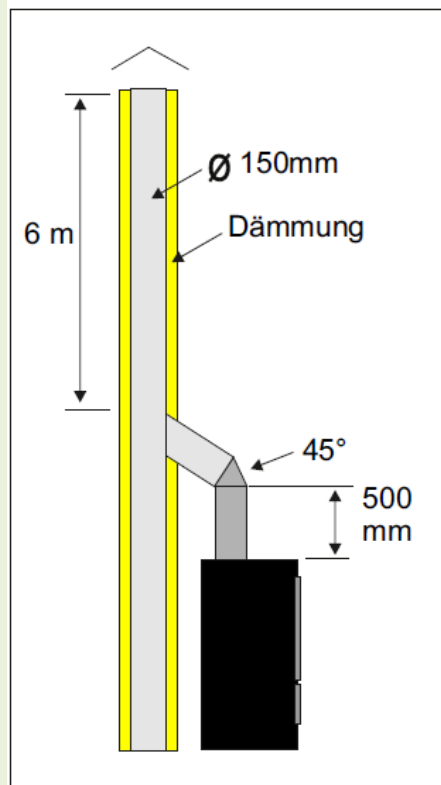
The first water-bearing wood gasification stove/boiler



Planning documents Walltherm®

Chimney requirements	page 2
Clearances	page 3
Dimensions model Königspitze	page 4
Dimensions top and bottom Königspitze and Wilder Kaiser	page 5
Dimensions Wilder Kaiser	page 6
Covering model Wilder Kaiser	page 7
External air supply from the bottom	page 8
External air supply from the back	page 9
Template for installation	page 10

Recommended chimney situation for the Walltherm®



- a) 6 m/20 ft usable length
- b) 150-180 mm/6-7" diameter
- c) Minimum 20 mm/1" insulation
- d) No 90° elbows

Material: stainless steel or ceramic

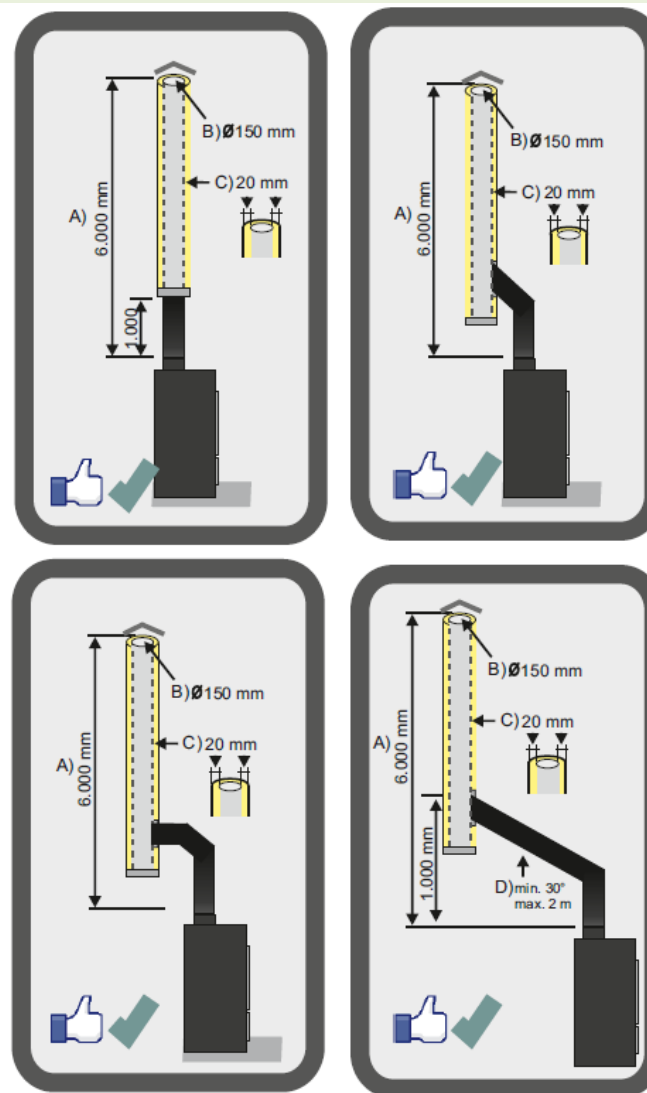


Horizontal parts reduce the draft and are not recommended

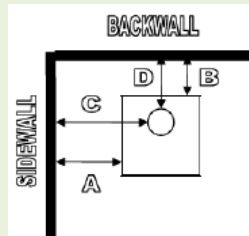


Due to the low temperatures no external air supply through separate chimney pipes from the roof

The design of the whole flue system needs to meet local building codes

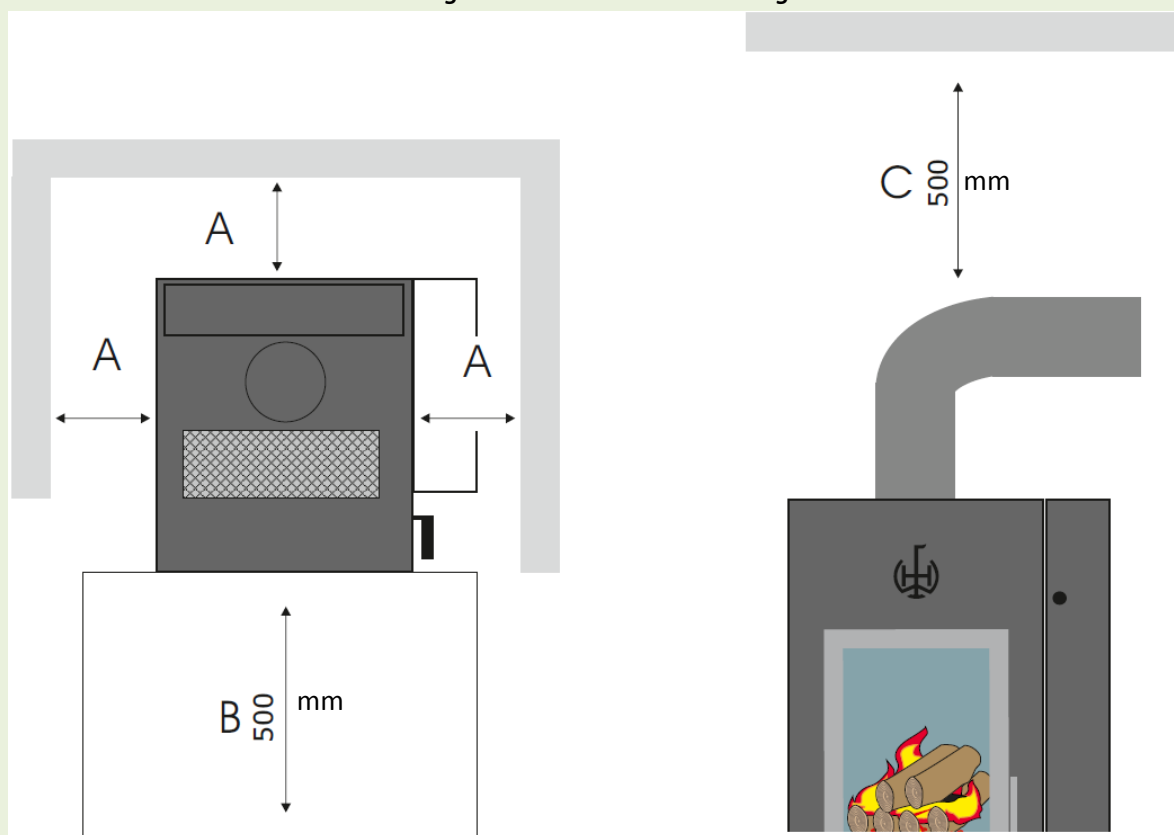


Clearances Walltherm®



Standard residential installation with single wall connector

A. Sidewall to appliance	10.0" (254 mm)
B. Backwall to appliance	10.0" (254 mm)
C. Sidewall to connector	17.0" (432 mm)
D. Backwall to connector	13.5" (330 mm)

The design needs to meet local building code

Technical drawings of the Walltherm 1250 wood-burning stove, showing dimensions in mm.

Front view: The stove has a total height of 1250 mm and a total width of 480 mm. The main body is 480 mm wide, with a 120 mm wide side panel on the right. The top section is 220 mm wide, and the bottom section is 220 mm wide. The front panel features a large glass viewing window with a fire illustration and the 'Walltherm' logo, and a smaller glass window below it.

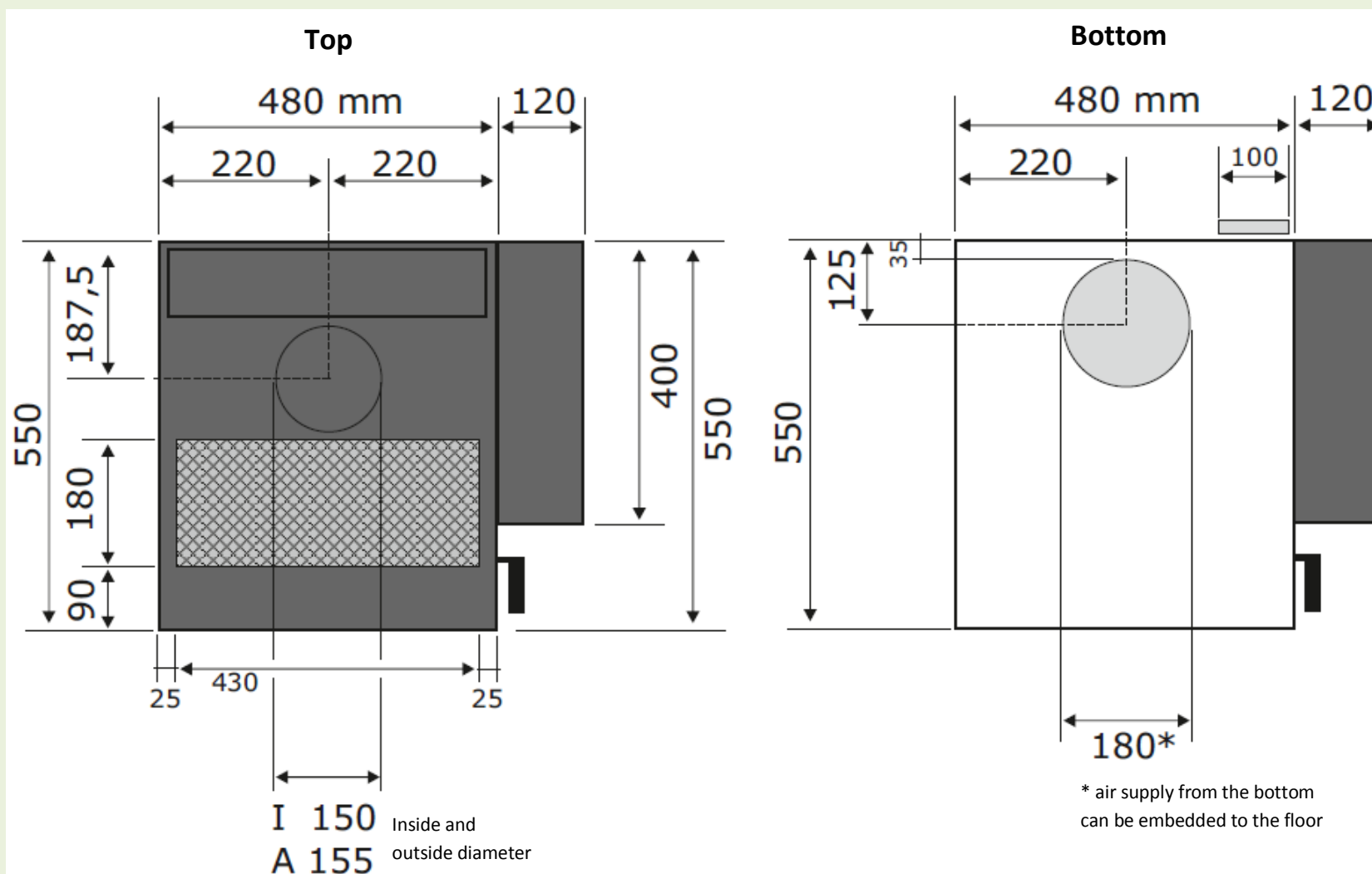
Right side view: The stove has a total height of 1250 mm and a total width of 180 mm. The main body is 180 mm wide, with a 120 mm wide side panel on the left. The top section is 50 mm wide, and the bottom section is 65 mm wide. The side panel features a large glass viewing window with a fire illustration and the 'Walltherm' logo, and a smaller glass window below it. The side panel also has a control panel with a digital display and buttons.

Back view: The stove has a total height of 1250 mm and a total width of 480 mm. The main body is 480 mm wide, with a 120 mm wide side panel on the left. The top section is 220 mm wide, and the bottom section is 220 mm wide. The back panel features a large glass viewing window with a fire illustration and the 'Walltherm' logo, and a smaller glass window below it.

Dimensions in mm:

- Front view: 1250 mm (height), 480 mm (width), 120 mm (side panel width), 220 mm (top/bottom section width).
- Right side view: 1250 mm (height), 180 mm (width), 120 mm (side panel width), 50 mm (top section width), 65 mm (bottom section width).
- Back view: 1250 mm (height), 480 mm (width), 120 mm (side panel width), 220 mm (top/bottom section width).

Dimension top and bottom Walltherm® model Königspitze and Wilder Kaiser



Top

480 mm
220
220
120
187,5
550
110
190
45
390
45
150
A 155
400
540
195
30
230
10
110

Right side

50 50 50 50 65
3/4" 3/4" 3/4" 3/4" 1"
1/2" 3/4" 1/2" 1"
90 95
805
1250
100
100
180

Back

120
480 mm
220 220
100

Stainless steel frame around the doors

Information about covering the model Wilder Kaiser

Conditions:

Before covering the stove it has to be totally installed

A Wett Certification should have been done

Proof the function of the stove

Burn the stove 3-4 times before covering it.

The cover material has to be heat-resistant and fire-proof

Have a look at the weight !

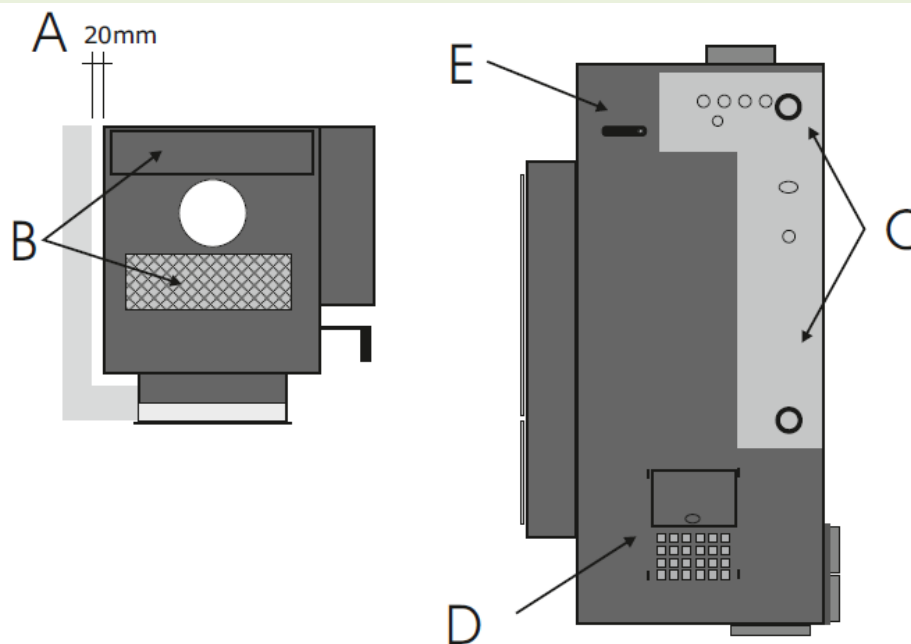
The stove weight is 300 kg/660 lbs
plus the cover material.

Have a look the floor is strong enough for the weight.

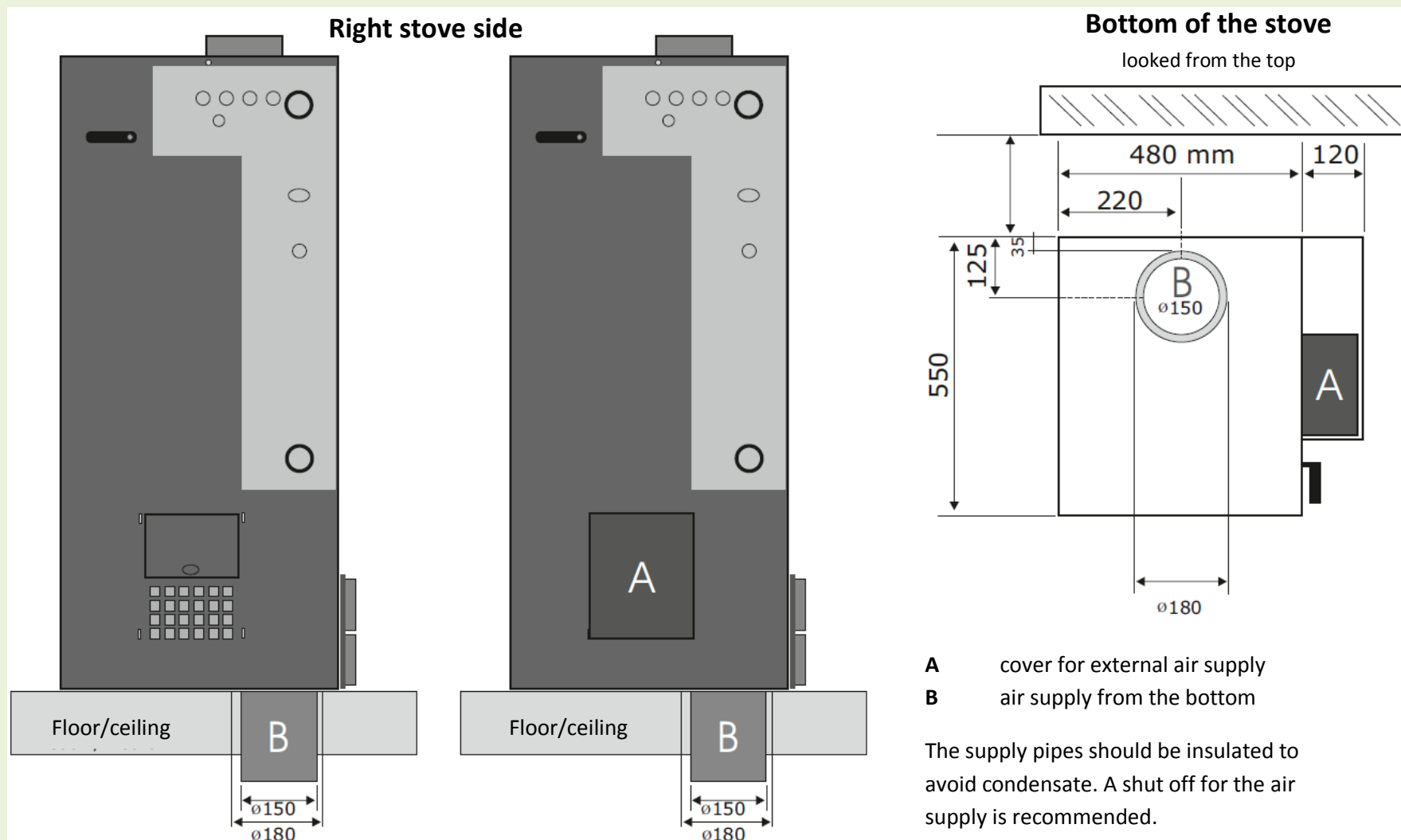
- A) The distance between cover material and stove must be minimum 20 mm / 0,8 "
- B) The flap on the top of the stove for cleaning the heat exchanger must be accessible
- C) All safety functions and pipes on the right side must be accessible
- D) The air supply at the right side must be accessible
- E) The handle for the heating flap must be accessible

Covering the top of the stove there must be slits so heat cannot dam up.

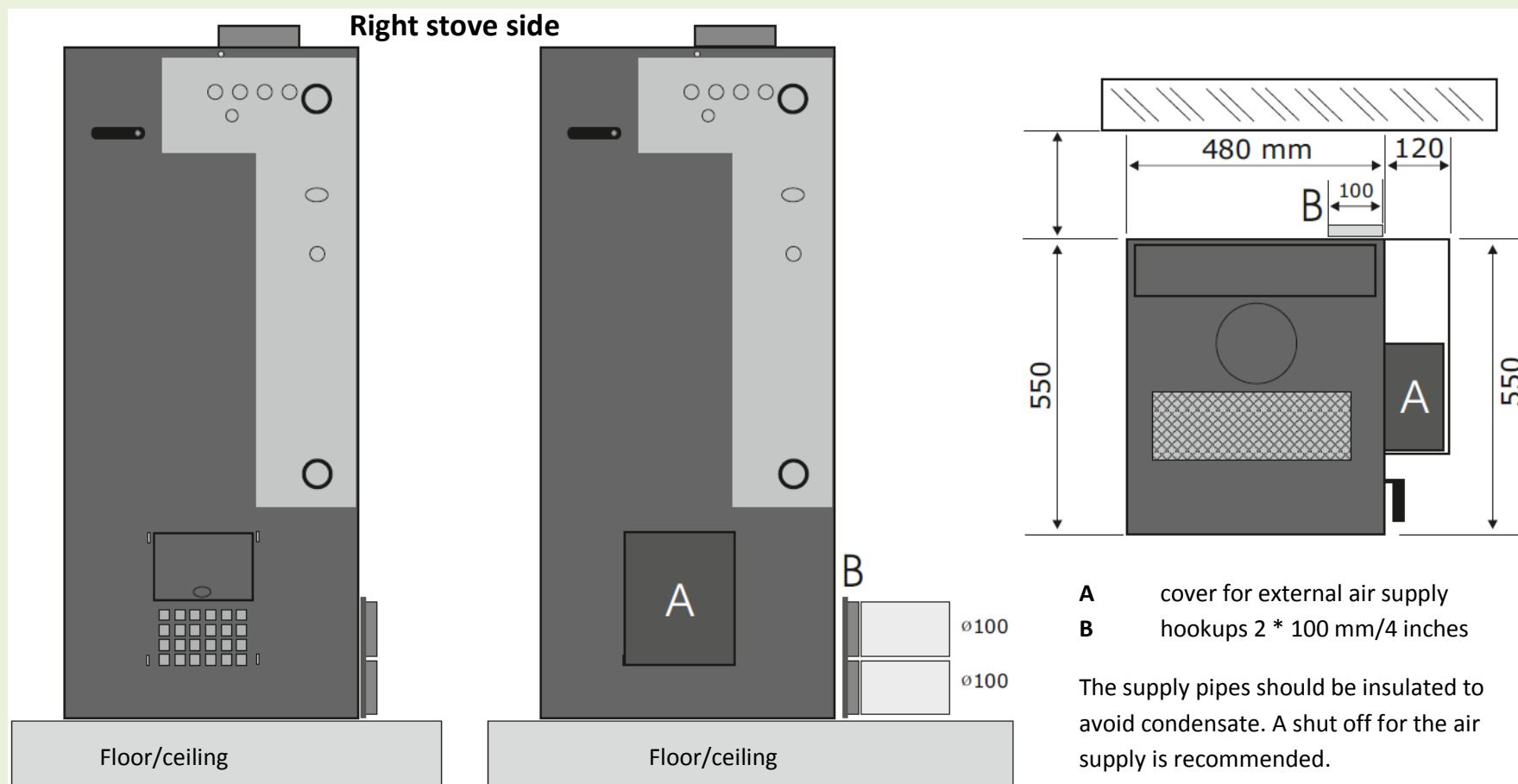
Construction needs to meet local building codes.



External air supply from the bottom (150 mm/6 inches)



External air supply from the back (2 * 100 mm/4 inches)



Template for installation of the Walltherm®

