



Specification Stove: Peko Pe - Model 6 liter Standard

General specification of the Peko Pe stoves

The Peko Pe stoves are pyrolytic gasifier units that belong to the TLUD-ND category of stoves (Top Lit Up Draft - Natural Draft). TLUD stoves have through tests been acknowledged as clean burning with a high thermal efficiency. The Peko Pe stove is one of a few stoves that besides producing heat also produce biochar of high quality. Tests in Norway have shown biochar yields on approximately 25%.

The stove's uncomplicated construction permits it to be reproduced in large numbers by local enterprises in developing countries. The stove is built from templates with simple tools. In addition to the work of tinsmiths, assembly is done by screws and to some extent alternatively by welding. The stove can be made in different sizes and flexibility of fuels, and with different qualities of metal (stainless or mild steel).

Overall measures of a complete stove

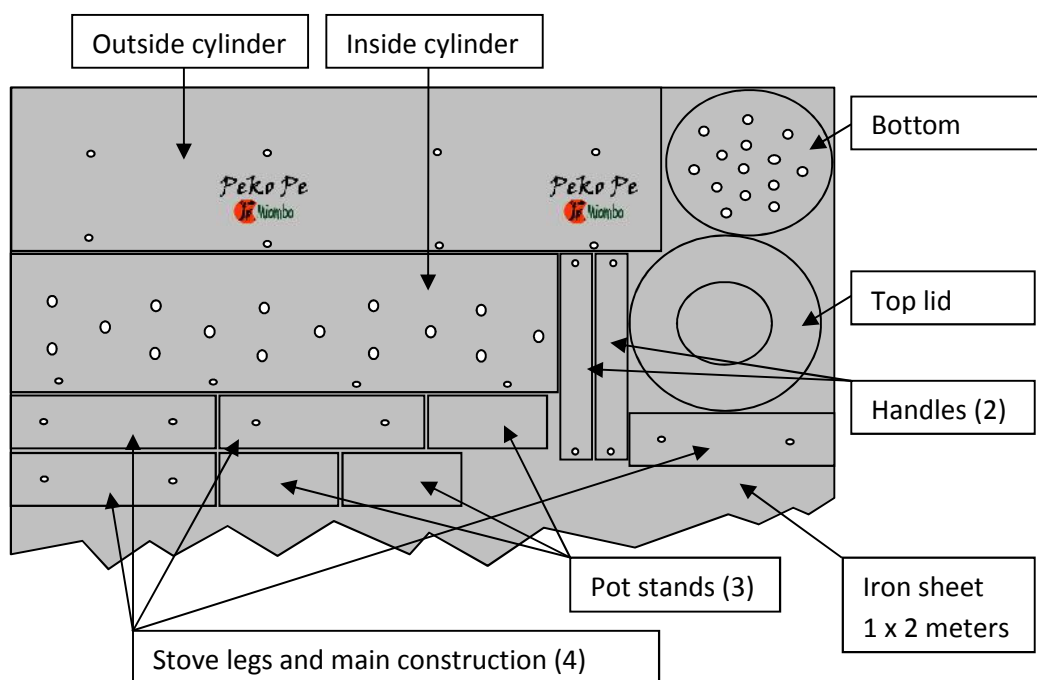
Parameters	Value
Height, without /with top lid	300 mm / 315 mm
Width, without (diameter) / with handles	242 mm / 256 mm
Type and thickness of steel	AISI 304 Stainless Steel / 0,7 mm
Weight	2,85 kg
Volume of fuel chamber	5,97 litres
Maximum volume of fuel	5,34 litres
Preferred fuel type/ duration of gasification	Wood chips, size 1- 2 inch / approx. 60 minutes
Preferred moisture in fuel (will work with moisture up 20%)	10%
Standard trademark and Miombo logo	180 mm x 115 mm on two sides of the stove
Other imprints	Stove serial number

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Design of a complete stove

Brief description of precut templates on a metal sheet (Flatpack)



Screws pr stove:

4 mounting screws, 4,2 x 13 mm (Biltema: Art. 87- 691, 250 pcs. pr. box)

4 mounting screws, 4,2 x 40 mm (Biltema: Art. 87- 693, 250 pcs. pr. box)

6 metal screws, 4,2 x 13 mm (Biltema: Art. 87- 695, 250 pcs. pr. box)

Wire for handling the top lid and fuel: Diameter 3-5 mm, Length 320 mm