

## Prime Square Fuelwood Cookstove Product Specifications

Stove Manufacturer	Prime Cookstoves
Stove Model	Prime Square Fuelwood Cookstove
Stove Type	Natural draft, Top-lit Updraft (TLUD) Gasifier Stove

### Materials

Stove Body	Galvanized iron plat, heat-proof power coating
Pot Rest	Stainless Steel
Burning Chamber	Stainless Steel

### Accessories and Parts

Lid (to snuff the flame)	Galvanized iron plat, heat-proof power coating
Tongs (for adding fuel)	Galvanized Steel

### Measurements

Height	cm	36
Length (stove top)	cm	28
Width (stove top)	cm	28
Weight	kg	3.5
Fuel Chamber Volume	cm <sup>3</sup>	2071 (considering that fuel should be filled no higher than 18 cm)
Firepower	watts	Up to 6,000

### Fuels

Fuelwood	Coconut Husks
Woodchips	Corncoobs
Briquettes	Other Bulky Biomass

### Stove Performance

Parameter	Prime Fuelwood*	Cambodia Baseline**	The Prime Cookstove...
High Power Thermal Efficiency (%)	34%	27.2%	is 25% more efficient
High Power PM Emissions (g/Min)	242	1036	produces 77% less particulate matter
High Power CO Emissions (g/MJd)	5.2	4.9	produces 6% more carbon monoxide

\*Testing conducted by G-BEL Laboratory in Phnom Penh, Cambodia in August 2014.

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