

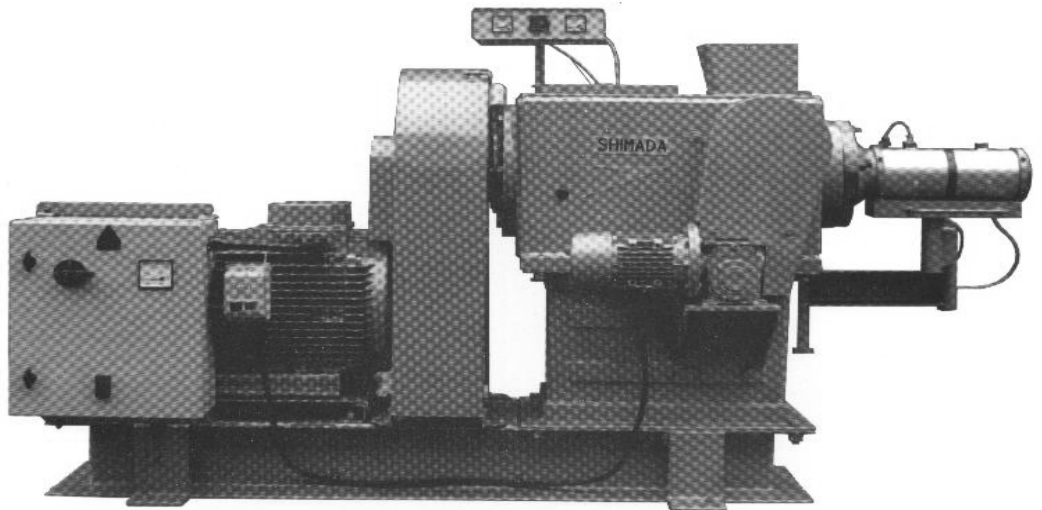
Heatlog Industries Inc

presents

BIOMASS EXTRUDED

into

SOLID FUEL



A proven machine over 1500 in use

Worldwide

40 years in operation

John Olsen

<http://www.heatloginc.com/>



HEATLOG®
Winter Fuel
8" long,
2 1/2" wide.
(8 sides)
3/4" centre hole.

Sells retail
\$0.33
each log.

“SIZZLERS”
Summer
Barbecue fuel



HEATLOG®

Dense 1.25 tonnes per cubic metre and does not expand at all when burning leaving low ash content.

At no time are any additives, waxes or foreign bodies introduced.

Heatlogs are made by extruding biomass under pressure. Bonding is accomplished by utilising the natural lignins in the biomass and the heat generated by extrusion.

BIOMASS is

68 - 83% carbohydrates.

15 - 30% lignin (a polyphenol).

3 -7% extractives.

HEATLOG®

Wood Characteristics

<u>Softwoods</u>	<u>BTU / lb</u>
Cyprus Western Red	9700
Cyprus yellow	9900
Douglas Fir	9200
Fir Balsam	8616
Fir (unspecified)	8300
Hemlock Western	8500
Larch Western	8530
Pine Jack	8500
Pine Lodgepole	8600
Pine ponderosa	9100
Spruce Sitka	8100
Spruce white	8500
<u>Hardwoods</u>	
Alder red	8000
Aspen trembling	8610
Birch white	9340
Cottonwood black	8800
Maple broadleaf	8400
Poplar (unspecified)	8615

BIOMASS

**Heatlogs can be made from a variety of biomass materials, such as:
Sawdust, Sugar Cane residues,
Rice Husks, Palm Oil residues,
Sunflower husks, Coconut husks,
Olive Pits, etc.**

FEEDSTOCK

Drying and/or grinding of the biomass may be needed to prepare the feedstock to specification.

Moisture content of the raw material must be between 4 - 8 %.

Average particle size of the raw material must be between 2 - 6 mm (can include 20% fine particle dust).

HEATLOG®

Cooling



Banding in 12 packs



Pallets ready for shipment



More than a third of humanity, 2.4 billion people, burn biomass (wood, crop residues, charcoal and dung) for cooking and heating.

When coal is included a total of 3 billion people half the world's population cook with solid fuel.

SHIMADA

Length 77”

Width 30”

Height 52”

Weight 2227 lbs

Power 60 hp

PRODUCTION

1102 lbs per hour

\$74,000.00 US dollars

**Taxes /Shipping /Installation /extra
E&OE.**

Please contact John Olsen

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