



**BGI Ltd**  
Bio Global Industries

# SEPTEMBER NEWSLETTER

Bio Global Industries Ltd — Monthly Newsletter

September 2015

## BGI LAUNCHES THE 'MAXI BIO' RANGE OF BIOMASS BOILERS TO THE UK MARKET

The Maxi Bio range is a new line of automatic devices designed to heat large scale buildings using wood pellets as their fuel source.

Ranging in size from 50k/W up to 285 k/W, the innovative Fuzzy Logic II generation adjustment helps to modulate the power to the device, thus reducing the amount of combusted fuel by 20%.

In combination with the automatic control of the air supply, by means of the lambda probe, the device can enable up to 40% of fuel consumption.

*"This new range of Polish manufactured biomass boilers enhances our existing range and provides our customers with additional sizes and functionality ."*

**Steve Hunt ,**  
*Operations Director, BGI Ltd.*



Inside the Maxi Bio Biomass Boiler

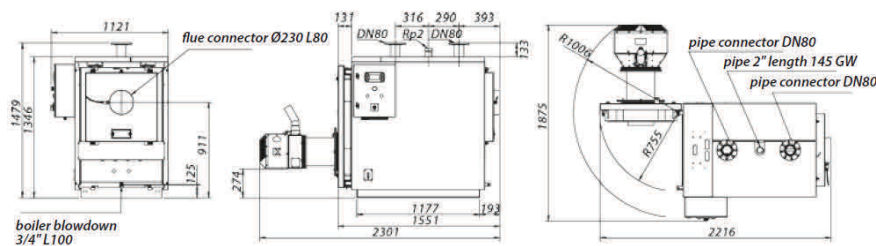
### The Maxi Bio Range comprises:

- ◆ 50 k/W
- ◆ 75 k/W
- ◆ 100 k/W
- ◆ 150 k/W
- ◆ 200 k/W
- ◆ 285 k/W

## MAXI BIO MEANS QUALITY & SAFETY

- ◆ Heat exchanger design following 3T guidelines (time, turbulator, temp)
- ◆ 3 draught exchangers means improved efficiency, lower emissions and even lower fuel consumption
- ◆ Logic controller means even more precise burner modulation and reduction of fuel and energy consumption
- ◆ Broadband lambda sensor will precisely supply air for automatic fuel burning
- ◆ Self cleaning burner and pressure sensor which automatically protects the device when there is low or no flue draught
- ◆ Made of high quality steel to provide the highest durability (3 years warranty)
- ◆ Ceramic combustion chamber - heats up to white resulting burnout of the unburned fuel and gases parts

Maxi Bio 150 kW



## TECHNICAL SPECIFICATION

PARAMETER	MXB 50 kW	MXB 75 kW	MXB 100 kW	MXB 150 kW	MXB 200 kW	MXB 285 kW
Power range on pellet (kW)	15-50	23-75	30-100	45-150	60-200	86-285
Control method	Fuzzy Logic 2	Fuzzy Logic 2	Fuzzy Logic 2	Fuzzy Logic 2	Fuzzy Logic 2	Fuzzy Logic 2
Class as per PN-EN 303-5:2012	5	5	5	5	5	5
Max. operating pressure [bar]	2	2	2	2	2	2
Max. operating temperature [°C]	80	80	80	80	80	80
Test pressure [bar]	4	4	4	4	4	4
Flue gas temperature at nominal / minimum thermal power [°C]	100-170	100-170	100-170	100-170	100-170	100-170
Min. return water temperature [°C]	45	45	45	45	45	45
Power supply [V]	230	230	230	230	230	230
Max. power consumption (ignition)/[W]	~ 380 ÷ 680	~ 380 ÷ 680	~ 460 ÷ 760	~ 460 ÷ 760	~ 600 ÷ 900	~ 600 ÷ 900
Weight (kg)	475	559	677	885	983	1368
Fuel reservoir capacity [L]	295	295	295	295	295	295

## Contact Us:

Please call us for more information about our biomass boilers, fuels and associated products:

Bio Global Industries  
Corporate Centre,  
Hunters Oak,  
Asheridge, Chesham,  
Buckinghamshire,  
HP5 2UU

UK

Tel: +44 (0) 1494 757055

[www.b-g-i.co.uk](http://www.b-g-i.co.uk)

[info@b-g-i.co.uk](mailto:info@b-g-i.co.uk)



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