



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.



Inside the Maxi Bio Biomass Boiler

"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.

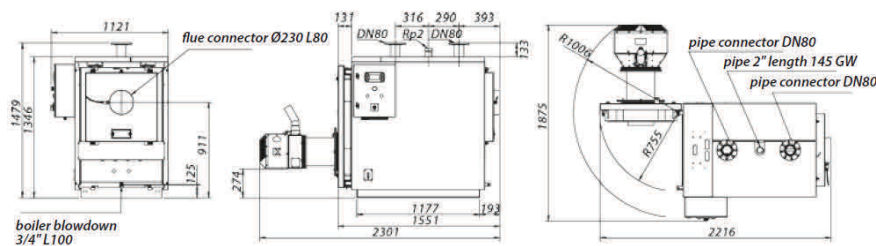
The Maxi Bio Range comprises:

- ◆ 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:

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