

WNS Internal Combustion Biomass Boiler

[Home](#) / [Product](#) / [Boiler](#) / [Biomass Boiler](#) / [WNS Internal Combustion Biomass Boiler](#)

WNS horizontal internal combustion biomass boiler

Description :

Wetback or dryback configurations are available for our WNS gas/oil-fueled boiler. Wetbacks frequently provide the water heating system a boost, particularly in the colder months when it is most necessary. They frequently need room heating to function well in chilly conditions.

Our pellet burners may be added to your heating system to give you more flexibility in the event of a heating emergency.

Type :

[Add to inquiry box or click Whatsapp to chat](#)

Select quantity :

1

[Add to inquiry box](#)

[+ Add comparison](#)



How to use Gas/Oil-Fired Boiler to burn biomass

With the steady rise in the prices of oil and fossil fuels, many homeowners began seeking for more cost-effective ways to heat their houses. Investing in a wood pellet stove is one of the increasingly popular solutions. Wood pellet heating is a fresh and modern solution for your home that includes a variety of attractive stoves and boilers.

These biomass boilers are less expensive than most boiler types on the market, making them an energy and cost-effective way to heat your house. A boiler like the wood pellet boiler is an excellent substitute for, say, gas boilers, electric-combi boilers, or boilers that burn oil.

What is wood pellet burner?

A wood pellet boiler can be used to heat almost any home or business, either as a major source of heat on its own, as a primary source of heat in conjunction with a secondary boiler that acts as a backup, or in some cases as a supplemental source of heat.

OSHIMA's Biomass Boiler

The WNS horizontal internal combustion three-pass full wet-back boiler has a fully corrugated furnace, which increases heat transfer area and stability. It is built with the whole flange butt welding technique, which reduces the furnace's thermal stress. The tubes are welded to the tube plates utilizing the 'expand first, then weld' process, which reduces corrosion issues and increases the boiler's lifespan. The smoke tubes have helical internal ribs that improve the boiler's heat exchange coefficient. Our WNS model is highly thermally efficient and consumes little fuel. They have a high level of automation, consistent outputs, and are simple to maintain. The installation is straightforward and takes little time.

Feature



Combustion system

100% corrugated furnace, large combustion chamber



Advanced engineering

Thermal efficiency $\geq 92\%$
Dual fuel design
Automatic control system



Low carbon footprint and eco-friendly

Compliant with national manufacturing specifications



Investment cost

Stable fuel costs
Auto-feeding system reduces human intervention

Specification

Model			WNS1-1.0-BMF	WNS2-1.25-BMF	WNS3-1.25-BMF	WNS4-1.25-SC	WNS6-1.25-BMF
Specification	Rated evaporation	t/h	1	2	3	4	6
	Rated steam pressure	Mpa	1	1.25/1.6			
	Rated steam temperature	℃	184	193/204			
	Rated water inlet temperature	℃	20				
	Designed combustion exhaust temperature	℃	160				
	Design thermal efficiency	%	≥82				
	Fuel consumption	kg/h	190	380	570	770	1140
	Water volume	L	2832	4520	6900	7300	7677
Heated surface	Ontology	m³	24.5	50.6	81.9	100.7	162.3
	Economizer(Fin-tube atmospheric pressure)	m³	12.9	21	27	/	
	Economizer(Steel pipe atmospheric boiler)	m³	/			23	32
Pump	Model		QDL2-16	QDL4-18	QDL4-20	QDL8-19	QDL8-20
	Input power		Kw	3	4		7.5
Pipe	Main steam valve diameter	DN	50	80	100		125
	Water inlet diameter	DN	25	32		40	
	Safety valve diameter	DN	50	65		50*2	65*2
	Blowoff valve diameter	mm	40	50			50*2
	Chimney	Φ	300	350	400	450	500
Overall size	Weight	t	4.6	7.6	11.2	12.5	17.6
	Length	mm	3840	4620	5136	5840	6334
	Wldth	mm	1760	1980	2300	2230	2432
	Height	mm	2064	2190	2718	2770	2872

Design and specifications subject to change without prior notice.

0則留言

排序依據 最新



新增回應.....

Facebook 留言外掛程式

Related products



WNS (LN)
Condensina boiler



DZL Single Drum
Chain-Grate...



SZL Double Drum
Chain-Grate...



BMF Pellet Fuel
Burner

Return to previous page



PRODUCT

Inspection
Relaxing/Shrinking
Spreading
Cutting
Ironing & Shaping
Heat Transfer
Fusing
Seamless
Folding

SUPPORT

Warranty Policy
FAQ
Download

ABOUT OSHIMA

Our Story
Our Office
News & Event
OSHIMA Innovation
Park
Career
Contact us



Packaging
Needle, Weighing
Detection
Boiler
Others

Chat now

