



MINI POWERHOUSE

The New Generation TAIGA Series



Features



Backburn Safety

Fire backburn is prevented by keeping the Burner feed way always empty and within constant negative pressure. A high temperature limit switch ensures safety.



Advanced Controller system

An advanced central control system regulates the system constantly with the data provided by sensors.



Compact Burner Unit

A lightweight and easily dismount-able burner unit provides service friendly maintenance as well as accessibility when needed.



Adaptive Air Feed

A High capacity induced draft fan allows precise regulation of boiler capacity.



efficient Combustion

With 2 photocells and a flue gas temperature sensor following the combustion at all times, the efficiency of the product is maximized.



Digital Control Panel

A reliable software is driven by an advanced command interface provides strict control of the system. An optional touch screen panel with an internet module is also available.



Tube Cleaning System

Manual handle allows turbulators to move Up and down and cleaning of smoke tubes.

An automated version is also available as an option.



Automated Burner Cleaning System

A simple yet effective cleaning system clears the burner grate periodically.



RETURN of INVESTMENT accelerated. The NEW Generation TAIGA-Series Pellet Fired Boilers



An affordable Pellet Boiler

Taiga series boilers features vertical tubes and an externally driven manual cleaning equipment. Reliable structure of Taiga series are consolidated by endurant "boiler quality steel" and guarantess you a service life of many years.

All functions can be easily accessed by a digital display on the front of the cabinet through an easy and intuitive software interface.

The compact structure of the serie's systems are extremely flexible and makes it particulary suitable for any type of installation. Eco boilers can be equipped with an external sanitary hot water, heat exchanger and also with buffer Tanks to increase efficiency.

What is Special about it?

The Compact structure. The new generation Taiga systems are all about tidy and neat appearance. With all the feeder and the burners systems concealed beneath the cabin, Taiga series have an appearance of a colorful refrigerator.

How Good it is?

It is actually user proven system for over 10 years. An existing design packed with latest, powerful features and years of experience in a sleek cabinet.

Designed for Class 5.

- * Efficiency > **92 %**
- * Emissions < **500 mg/m³ C₀**
- * Dust < **40 mg/m³**.

Highlights on the Features of Taiga Pellet System

- Full Automatic ignition,
- Auto-tube cleaning system,
- Auto-burner cleaning system,
- Auto-pellet dosage.
- Auto-Ash extraction System
- User friendly control system with digital display
- Unique Software for regulation of combustion
- Unique Software for regulation of air supply
- Service friendly design, everything is accessible
- Flexible installation options
- Touch Panel Control



Technical Specifications

TECHNICAL SPECIFICATION OF TAIGA PELLETT BOILERS		Unit	BOILER TYPE				
			TG -12	TG -23	TG -40	TG -60	
CAPACITY	Nominal-Minimum Heat Output	kW	12 - 3,6	23 - 6,9	40 - 12	60 - 18	
		kcal/h	10.320 - 3.096	1.9780 - .5934	34.400 - 10.320	51.600 - 15.480	
OPERATING CONDITIONS	Safety Limit Temperature	°C	95				
	Max. Operating Temperature	°C	80				
	Min. Water Return Temperature	°C	55				
	Operating & Test Pressure	bar	3 - 4,5				
	Electrical Connection	-	230 V _{ac} , 50 Hz				
	Recommended Fuel Types	-	Ø6 mm Premium Quality Pellet, EN Plus A ₁				
MAIN DIMENSIONS	Cabin Width & Depth, W ₁ , L ₁	mm	515 -655	595 - 790	595 - 845	700 - 990	
	Height, H ₁	mm	1160	1160	1360	1360	
	Total Boiler Depth ± 2, L _t	mm	1070	1200	1280	1460	
	Stack Size, (Outer, ØD ₁ -Inner Diameter)	mm	130-125	130-125	150-146	150-146	
	Height of Stack Connection, H ₂	mm	745	700	860	860	
	Water Content	lt	25	50	75	110	
	Empty & Gross Weight	kg	150 - 170	190 - 215	240 - 270	290 - 330	
	Wooden Case Freight Dimensions, (W x H x D)	mm	615 x 1340 x 1100	715 x 1340 x 1230	715 x 1540 x 1310	820 x 1540 x 1490	
	Filling & Drain Connections	ØD ₂ , Diameter	inch	1/2"			
	Hot Water Outlet Connections	ØD ₃ , Diameter	inch	1", Male		1 1/2", Male	
		Position & Height, L ₃ , H ₃	mm	210 - 1028	250 - 1020	250 - 1225	303 - 1228
	Water Inlet Connections	Diameter, ØD ₄	inch	1", Male		1 1/4", Male	
Position, H ₄		mm	152	350		355	
SILO	Stand Fuel Storage Volume	lt	300		500		
	Width & Depth, W ₂ , L ₂	mm	650 - 850		800 - 900		
	Empty Weight	kg	35		45		