

Taiga Series

Full Automatic Pellet Boilers



Optional Touch Screen

“Boiler with an Exceptional Design”

Taiga Series pellet boilers with a new generation appearance are designed to accompany for many years with the special pipe and steel. Taiga is admired by users with simplicity and ergonomic structure thanks to its special design. Also, it considers the high efficiency and safe usage as well as your pocket.

With its size and integrated fuel silo, Taiga Series can fit even in small spaces and provides the opportunity for saving space. Dues to its compact structure designed by expert engineers, it makes the installation easier and faster for the user.

Unlike other pellet boilers, Taiga offers to access the burner and ash box owing to the elegant triple door design.

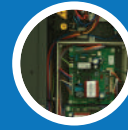


Features



Back Burn Control

Since Taiga Series operate under negative pressure, fire back burn is prevented.



Advanced Control System

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



Compact Burner Unit

Easily dismountable burner unit provides service friendly maintenance as well as accessibility.



Modulated Air Fan

Taiga series boilers are equipped with high capacity, modulated flue gas vacuum fans. Precise control of the boiler at the desired capacity is provided with the infinitely variable.



Advanced Combustion System

With Taiga burners, up to 92% efficiency is obtained. Ignition element is a low power unit which decreases the electric consumption and also has a longer service life.



New Elegant Control Panel

Every system on boiler is controlled by user friendly control panel. All functions are expressed by symbols for any language.



Automated Burner Cleaning

Taiga boiler's burner has a unique and patented cleaning system which effectively cleans the combustion chamber and discharges all the ashes.



High Temperature Protection

Safety thermostat that constantly controls the boiler water temperature prevents the boiler from reaching high temperatures.



Hydro Type



Pellet Fuel

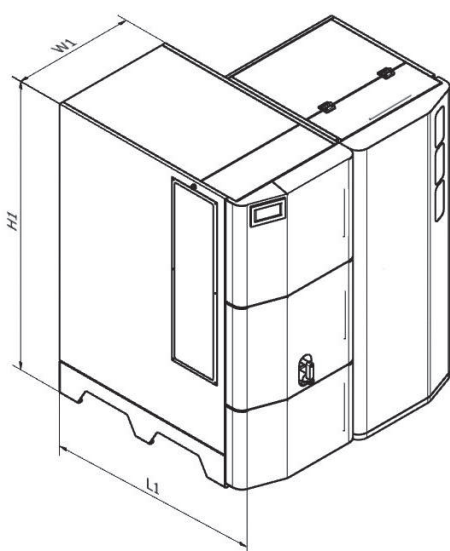
Changeable
BurnerCeramic
Igniter

Photocell

Auto
Burner CleaningAuto
Tube CleaningTouch
ScreenRemote
ControlBack Burn
Control

Technical Specifications

TECHNICAL SPECIFICATION OF TAIGA		Unit	Boiler Type			
			TAIGA-12	TAIGA-23	TAIGA-40	
CAPACITY	Nominal & Minimum Heat Output	kW	12 - 3,6	23 - 6,9	40 - 12	
		kcal/h	10.320 - 3.096	19.780 - 5.934	34.400 - 10.320	
	Direct Efficiency at Full Load	%	91.6	91.4	91.1	
OPERATING CONDITIONS	Boiler Class	-	Class 5 acc. To EN 303-5			
	Safety Limit Temperature	°C	95			
	Setting Range for Operating Temperature	°C	80 - 65			
	Min. Water Return Temperature	°C	55			
	Operating & Test Pressure	bar	3 - 4,5			
	Electrical Connection	-	230 Vac , 50 Hz			
	Average Electricity Consumption	W	90	110	165	
	Recommended Fuel Types	-	Ø6 mm, EN Plus A1, A2 High Quality Pellet			
MAIN DIMENSIONS	Cabin Width & Depth, W1 , L1	mm	515 - 853	595 - 952	595 - 1080	
	Height, H1	mm	1210		1410	
	Total Boiler Depth ± 2, Lt	mm	996	1103	1223	
	Stack Size, (ØD1 - Outer-Inner Diameter)	mm	130 - 125		150 - 146	
	Height of Stack Connection, H2	mm	794	749	909	
	Water Content	lt	25	50	75	
	Empty & Gross Weight	kg	195 - 220	245 - 265	310 - 330	
	Wooden Case Freight Dimensions, (W x H x D)	mm	635 x 1300 x 1220	715 x 1300 x 1220	715 x 1500 x 1250	
	Filling & Drain Connections	Diameter, ØD2	inç	½"		
	Hot Water Outlet Connections	Diameter, ØD3	inç	1", Male		1 ¼", Male
		Position & Height, L3, H3	mm	210 - 1077	250 - 1070	250 - 1275
Water Inlet Connections	Diameter, ØD4	inch	1", Male		1 ¼", Male	
	Position, H4	mm	202	400	400	
FUEL STORAGE	Standart Fuel Storage Volume	lt	330		415	
		kg	230		290	
	Width & Depth, W2, L2	mm	600 - 750			
	Empty Weight	kg	35		40	



Highlights on the Features of Taiga:

- Award-winning design,
- Easy accessibility burner and ash box,
- Elegant triple door design,
- Easy installation with integrated fuel silo,
- Automatic ignition,
- Automatic cleaning of boiler tubes,
- Automatic cleaning of burner grates,
- Flexible installation (can be used easily with the closed expansion tank),
- Automatic pellet-air ratio control (automatic adjustment of pellet dosage),
- High efficiency with modulated air-fuel control,
- Easy service & maintenance design,
- Automatic ash removal,
- Remote control with an internet connection,
- User-friendly digital display,
- Optimum combustion performance with superior control software.

