



Outdoor Energy-Unit Type RAU-2-600

The new Skelhøje boiler series is an enhancement of the well-known Skelhøje boiler unit.

The 2-series is a high-efficient boiler plant with a good combustion and an efficiency exceeding 88%. Skelhøje Outdoor Energy Unit is a highly insulated turnkey boiler plant without any building requirements, except for boiler and chimney foundation.



RAU-2-600

**2 big bales fired lengthwise
2 round bales Ø 210 cm**

The plant features various details which enable efficient combustion, high utility value, easy operation and long life.

The Energy Unit is constructed with a boiler part and storage tank in the middle section.

The expansion tank is placed at the top.

The plant is delivered in 3 sections to facilitate easy mounting in 2-3 hours. The straw burning plants are constructed of 10 mm customised steel plates intended for combustion plants for straw and forest tree.

EQUIPMENT

- The combustion air is controlled via our patented leaf damper.
- PLC control with touch screen for setting and reading of all data, such as temperatures in top, middle, bottom. O₂% and flue gas temperature.
- Service plug for 230 V and 380 V.
- Water-cooled tube battery.
- Water-cooled firing door with safety thermostat.
- Shunt pump for warm boiler bottom.
- Pump for cooling of front door.
- Storage tank three-way valve for replacement of door hoses.
- The entire boiler plant is insulated with mineral wool (200-400 mm).
- Combustion chamber made of 10 mm special steel plates.
- Coated with enamelled steel plates on the exterior.
- Colours may be adjusted to the surrounding buildings.

ACCESSORIES

- Detached steel chimney 20 m high, constructed of untreated Corten steel plates.
- Surface treatment of chimney.
- Fireproof bricks in combustion chamber.
- Available with 2 CBT 100 fans.
- Extra high-powered internal pumps.
- Ash shovel.
- Motor driven shunt adjustment for control of flow temperature.



Skelhøje

Technical data



Skelhøje Maskinfabrik AIS

Energi-Unit Type RAU-2-600

Straw bales per firing	Big bales 120 x 130 x 250 cm.	pcs	2
	Round bales Ø 210 cm	pcs	2
Combustion chamber	Diameter Ø	cm	280
	Length	cm	300
	Number of tubes in smoke cooler Ø 70 mm	pcs	24
	Plate thickness in combustion chamber	mm	10
Boiler plant dimensions	Length, incl doors	cm	540
	Width	cm	365
	Height	cm	861
	Height for expansion	cm	687
	Height for flue channel	cm	290
	Flue channel diameter Ø	mm	400
Other specifications	Storage tank	l	42,000
	Flow/return		3"
	Test pressure	bar	3
	Operating pressure	bar	0.9
	Chimney height	m	20
	Heat surface	m ²	57
	Efficiency continuous *)	kW	600
	Average at 2 firings/24 hours	kW	240-288
	Fuel throughput per firing **)	kg	1,000-1,200
	Annual fuel consumption	ton	240-288
Substitutes oil per year **)	l/year	80,000-96,000	

*) Continuous efficiency at 16% water content in straw 1kW = 860 kcal.

***) depending on compression

****) at 240 firings per year

Distributor:



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