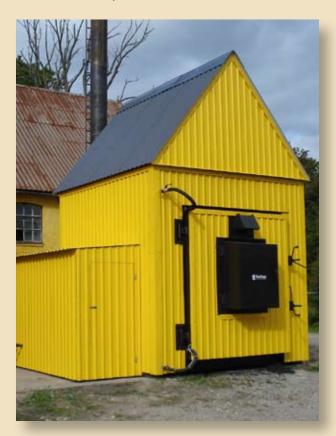
Outdoor Energy-Unit Type RAU-2-301

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 the boiler and chimney foundation.



RAU-2-301 1 big bale fired lengthwise 1 round bale Ø 180 cm

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

The Energy Unit is supplied with a boiler part with storage tank around and behind the combustion chamber.

The expansion tank is placed at the top.

The plant is delivered in 2 sections to facilitate easy mounting in 1-2 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.
- Fireproof bricks in combustion chamber.
- Coated with enamelled steel plates on the exterior.
- Colours may be adjusted to the surrounding buildings.

ACCESSORIES

- Detached steel chimney 12-14 m high, constructed of untreated Corten steel plates.
- Surface treatment of chimney.
- Ash shovel.
- Motor driven shunt adjustment for control of flow temperature.

- specialist in straw burners





Skelhøje Maskinfabrik als

Energi-Unit Type RAU-2-301

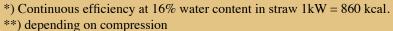
Straw bales per firing	g
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Combustion chamber

Boiler plant dimensions

Other specifications

Big bales 120 x 130 x 180 cm	pcs	1
Round bales Ø 180 cm	pcs	1
Diameter Ø	cm	200
Length	cm	200
Number of tubes in smoke cooler Ø 70 mm	pcs	32
Plate thickness in combustion chamber	mm	10
Length, incl doors	cm	410
Width	cm	335
Height	cm	553
Height for expansion	cm	426
Height for flue channel	cm	267
Flue channel diameter Ø	mm	250
Storage tank	1	15,000
Flow/return		2"
Test pressure	bar	3
Operating pressure	bar	0.5
Chimney height	m	12-14
Heat surface	m ²	42
Efficiency continuous *)	kW	250
Average at 2 firings/24 hours	kW	94-100
Fuel throughput per firing **)	kg	300-400
Annual fuel consumption	ton	72-96
Substitutes oil per year **)	l/year	24,000-32,000



^{***)} at 240 firings per year



