

# The Overdahl Stoker

## The environmentally friendly alternative to the oil burner...

S-20/420 · S-20/250 · S-20/120  
S-40/420 · S-40/250 · S-40/120



- Non-polluting burning of BIO-fuel (co<sup>2</sup> neutral).
- Electronic operation ensuring optimum combustion.
- Internal moment limiter ensuring against overloading of feed screw and transmission.
- A functional design ensuring easy and fast filling of the stoker and easy cleaning of the boiler.
- High Danish quality at reasonable prices.
- Lowest energy consumption 1,1 kW/24 hours or 45 W/hour.
- A closed system ensuring a carbon monoxide-free boiler room.
- Simple and sturdy construction.
- Easy to install on most existing boilers.
- Is supplied with complete fire-fighting equipment.
- Can also be supplied built together with the well-known Overdahl boilers, Overdahl.

OVERDAHL ApS

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## ■ Easy and Flexible Adaptation

Enabling heating with: *grain (special burner head), wood pellets, rape and coal.*  
Fitted with optional equipment, the stoker also handles: *shavings, chips, sawdust and coal screenings plus other small granulates.*

## ■ Optimum Fuel Conversion

The specially designed burner head secures optimum combustion, and consequently a minimum of ashes.

## ■ Sturdy Construction

The gas tight bin is made from 3 mm steel plates, and the burner head is made from 8 mm cast-iron.

## ■ Flex Control

The flex controller is an extension of the prized oxygen control from 1996. This control has been built up in modules which can be extended concurrently with the customer's requirements. Here it is possible to extend the control with a flow meter measuring the fuel amount in the bin, and when it is to be filled. By service repair all you have to do is to insert a plug in the side of the box, and the whole life story of the stoker is registered and also when the possible stop of operation took place. Then it can be extended with oxygen control which you already know. The oxygen module and the flow meter are available against an extra charge.

## ■ The Stoker is Mounted on Telescopic Legs with Wheels

Enabling an adjustment of up to 200 mm for easy installation. The wheels ease the removing of the ashes from the boiler as the stoker is easily pulled back.

Working voltage 220 volt, supplied with control panel.

*The Overdahl Stoker draw system is patented in Europe and China.*



The Stoker is available in the sizes 19 kW and 37 kW.  
Silos from 120 to 420 litres.

Type	S-20/120	S-20/250	S-20/420	S-40/120	S-40/250	S-40/420
Output kWt	19	19	19	37	37	37
Volume in silo, litre	120	250	420	120	250	420
Length with burner head	1300	1400	1650	1300	1400	1650
Length without burner head	1050	1150	1300	1050	1150	1300
Width, mm	550	650	750	550	650	750
Height, mm (min.)	900	1100	1300	900	1100	1300
Motor, 220 volt	180 Watt	180 Watt	180 Watt	180 Watt	180 Watt	180 Watt
Consumption Watt/h	45	45	45	50	50	50

Volume in silo	120 l	= litre oil	250 l	= litre oil	420 l	= litre oil
Coal, kg	90	69	188	144	300	230
Wood pellets, kg	80	40	167	83	267	133
Grain, kg (wheat)	92	34	192	71	307	113

*The above is subject to alteration.*



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