

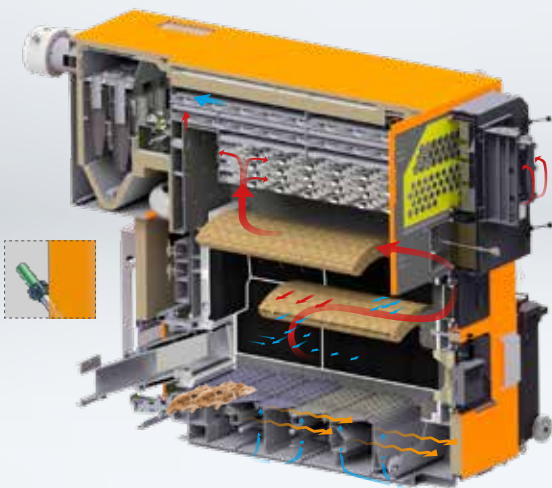
UTSR visio

180–8000 kW

SCHMID
energy solutions

MOVING GRATE COMBUSTION SYSTEM

UTSR visio



Boiler construction

- 3-pass-smoke tube boiler
- Hot water 6, 8, 10 bar / 110 °C

Grate cooling

Air / water

Power control

modulating 20–100 %

Fuel water content

M10–60

Rated output up to fuel water content

M55

Boiler type	180	240	300	360	450	550
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Dimensions and weights

	mm	3378	3378	3597	3597	4247	4247
Length	mm	3378	3378	3597	3597	4247	4247
Width	mm	1150	1150	1250	1250	1440	1440
Height	mm	2650	2650	2700	2700	2950	2950
Boiler water content	l	645	645	855	855	1315	1315
Total weight with water	kg	6200	6220	7080	7100	11000	11025

Technical data

Nominal output with M55	kW	54–180	72–240	90–300	108–360	135–450	165–550
Fuel quantity approx.	m ³ /h	0.3	0.4	0.5	0.6	0.7	0.9
Min. return temperature	°C	wood chips and pellets 65 °C / remaining biomass 85 °C					
Kvs-value boiler	m ³ /h	48	48	72	72	110	110
Recommended boiler Delta T:	K	with flow < 90 °C dT 15 K / > 90 °C dT 10 K					
Flow nozzle / return nozzle	DN	DN 65	DN 65	DN 80	DN 80	DN 100	DN 100
Diameter of flue gas pipe (Ø)	mm	200	200	200	250	300	300
Recommended diameter of chimney (Ø)	mm	200	200	250	250	300	300

VKF approval Nr. 10466

Wood chips



Bark



Residual wood

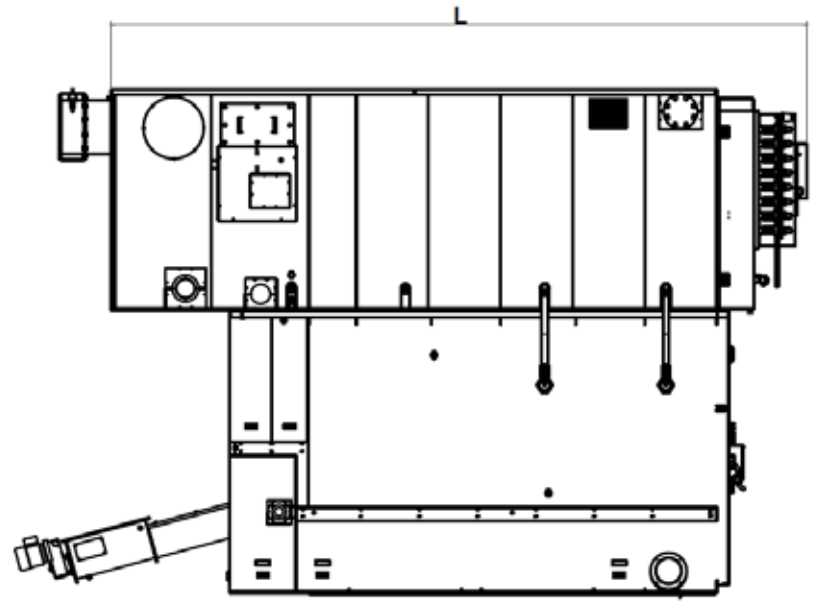
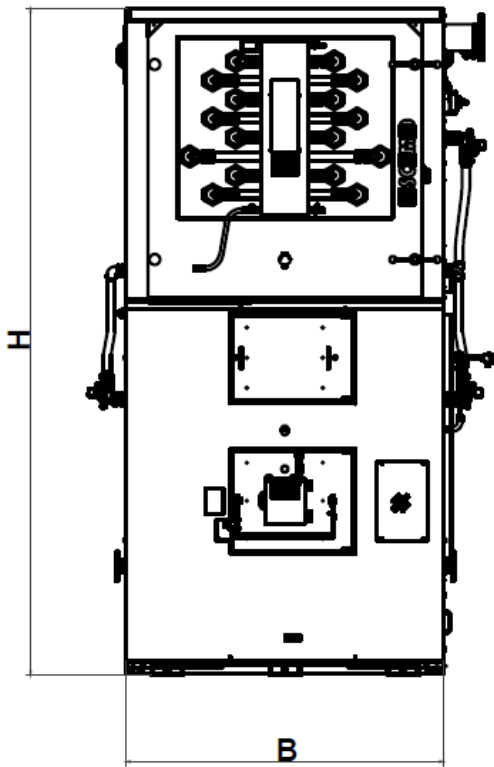


Pellets



Special fuels





Boiler type	700	900	1200	1600	2000	2400
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Dimensions and weights

Length	mm	4867	4867	5187	5787	6427	7027
Width	mm	1800	1800	2000	2000	2320	2320
Height	mm	4250	4250	4900	4950	5520	5520
Boiler water content	l	2355	2355	3426	3815	5590	6480
Total weight with water	kg	17110	17170	23675	26790	39600	44960

Technical data

Nominal output with M55	kW	210–700	270–900	360–1200	480–1600	600–2000	720–2400
Fuel quantity approx.	m ³ /h	1.1	1.4	1.9	2.6	3.3	3.9
Min. return temperature	°C	wood chips and pellets 65 °C / remaining biomass 85 °C					
Kvs-value boiler	m ³ /h	180	180	240	320	400	480
Recommended DeltaT over boiler	K	with a lead time <90 °C dT 15 K / >90 °C dT 10 K					
Flow nozzle / return nozzle	DN	DN 100	DN 100	DN 125	DN 150	DN 200	DN 200
Recommended diameter of flue gas pipe (Ø)	mm	350	350	400	450	500	550
Recommended diameter of chimney (Ø)	mm	355	400	450	550	600	650

VKF approval Nr. 10466

Wood chips



Bark



Residual wood



Pellets



Special fuels

