

Landritherm Woodchip furnace model range

LA 150 & LA 250 woodchip hot air furnace



Industrial touch control,

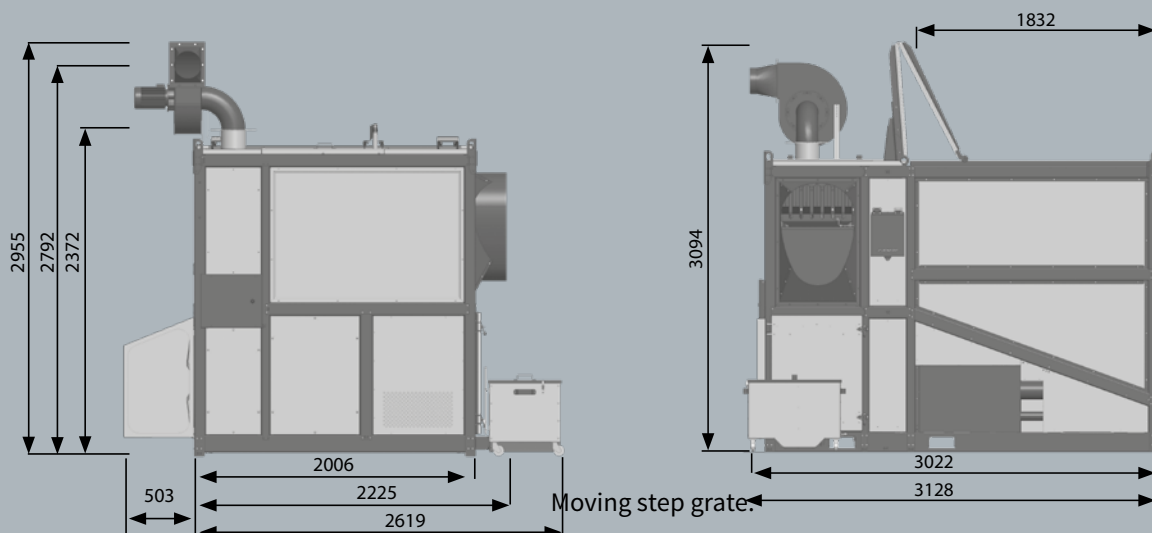


Moving step grate.

The most popular performance classes are now even more powerful

Our wood chip warm air stoves in the 150 kw and 250 kw performance classes have reached a further evolutionary stage. A comprehensive redesign of the combustion system resulted in numerous advantages. The record low emission values of the generators make it possible to receive subsidies in almost all European countries without the need for additional filter systems.

The new, fully automatic fuel detection system not only sets new standards in operating convenience, but also provides an even higher degree of efficiency and thus lower maintenance intervals.



LA 750 woodchip hot air furnace

LA 150 & LA 250 woodchip hot air furnace

Reliable as a Swiss watch!

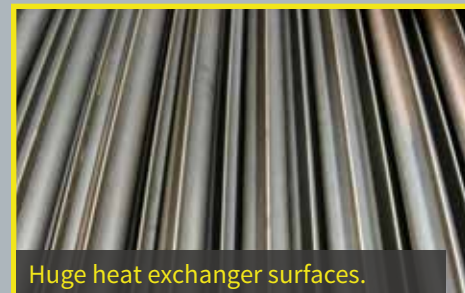
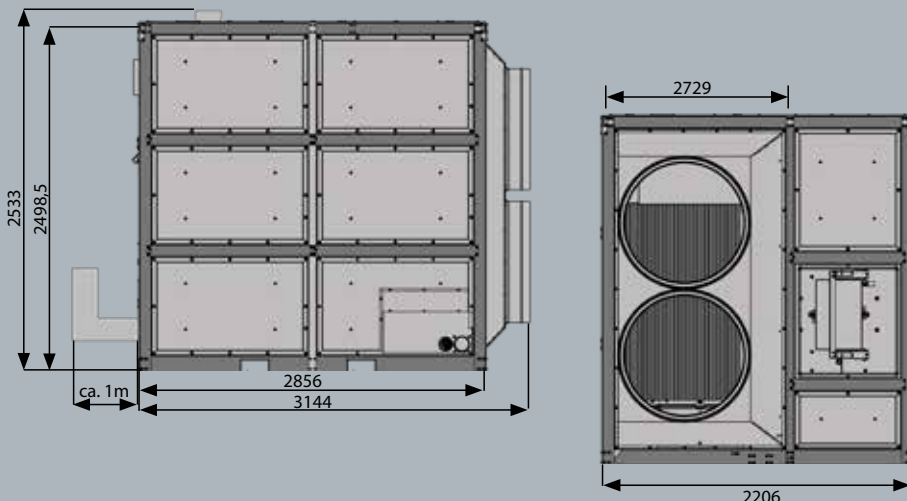
The LA750 is designed for really large-scale heating and drying challenges and offers all the intricacies of modern combustion technology. Thus, the LA 750 offers a choice of either a step grate or an underfeed combustion system. While the underfeed combustion is very economical, the step grate system ensures exceptionally long maintenance intervals.

In practice, the step grate system with integrated woodchip pre-drying is deployed for continuous long duration use as is usually required, e.g. for the corn drying process. Built on a hook lift system with a separate woodchip reservoir, the hot air heating system remains mobile and versatile.

Just as the smaller types, the LA 750 is equipped with all the necessary components. In this case, however, due to mobility and the fuel consumption, the fuel reservoir has been transferred externally into a separate portable container.



Dimensions

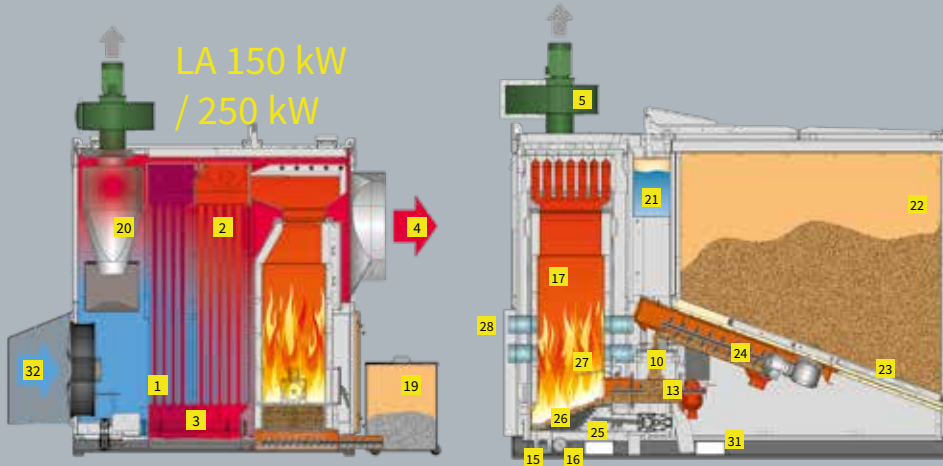


Performance data

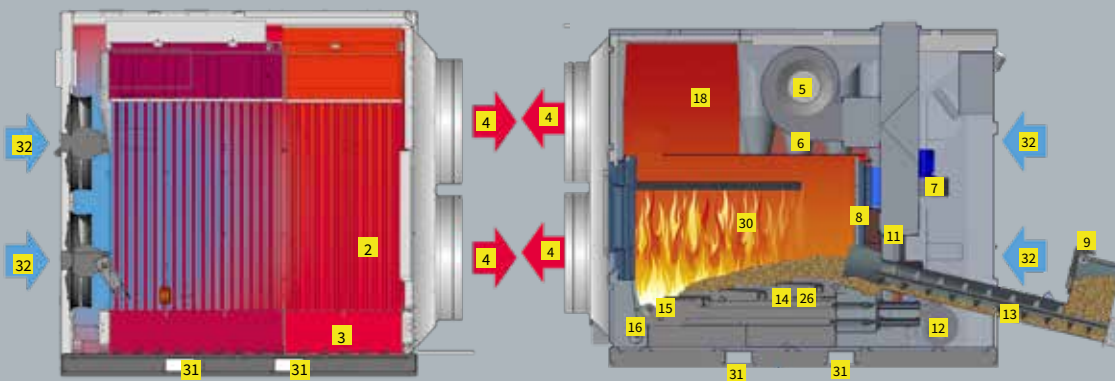
Type:	LA 150	LA 250	LA 750
			
Nominal heat output:	max. 150 kW	max. 240 kW	max. 750 kW
Fuel Thermal output:	max. 165 kW	max. 260 kW	max. 830 kW
Ignition:	automatic	automatic	automatic
Control:	automatic	automatic	automatic
Firing:	step grate firing	step grate firing	step grade firing/underfeeding (optional)
Reservoir:	5,2 m ³	5,2 m ³	externally via container with removal system
Power supply:	380 V	380 V	380 V
Max. air output temperature:	approx. 45°C	approx. 45°C	approx. 45°C
Max. heating:	approx. 45°C	approx. 76°C	approx. 89°C (at 26.000 m ³ /h)
Max. air output volume:	approx. 10,000 m ³ /h	approx. 10,000 m ³ /h	approx. 30,000 m ³ /h
Weight (net, w/o fuel.):	approx. 2,400 kg	approx. 2,400 kg	approx. 3,500 kg
Flue gas diameter:	200 mm	200 mm	250 mm
Hot air hose diameter:	600 mm	700 mm, elliptical	2x900 mm
Construction type:	portable all-in Container	portable all-in Container	portable all-in Container
Woodchips quality:	dry G30 woodchips	dry G30 woodchips	dry G30 woodchips
Fuel consumption:	approx. 0,2 m ³ /h	approx. 0,33 m ³ /h	approx. 1 m ³ /h
Control:	B & R-Touch Display	B & R-Touch Display	B & R - Touch Display
Power levels:	Between 50 % and 100 % infinitely variable		Between 50 % and 100 % infinitely variable
Selection options:	Fuel selection, fuel moisture selection		
Recording:	Operating hours meter, power meter		
Thermostat:	Remote thermostat connection		
Other components:	Cyclone with rotary valve, weekly heating Mon-Sun, heat metering (calculated value), Ash removal	Cyclone with rotary valve, weekly heating Mon-Sun, heat metering (calculated value), Ash removal	Multi-cyclone with flue gas recirculation, heating program (Mon-Sun), heat metering (calculated value), ash removal, Lambda
Option:	Remote maintenance on request (even via mobile phone), continuous power control if a temperature probe is connected, rental option		

Functional diagram

LA 150 kW
/ 250 kW



LA 750



Legend

- 1 Rotary feeder
- 2 Exhaust/air heat exchanger
- 3 Heat exchanger cleaning
- 4 Hot air outlet
- 5 Induced draught fan
- 6 Multi cyclone separator
- 7 Secondary air fan
- 8 Recirculation air
- 9 Storage bin interface
- 10 Fire damper
- 11 Ignition fan
- 12 Primary air fan
- 13 Feed auger
- 14 Underfeed firing
- 15 Ash removal screw
- 16 Flue ash removal screw
- 17 Combustion chamber
- 18 Burn-out chamber
- 19 Ash box
- 20 Cyclone separator
- 21 Emergency water tank
- 22 Fuel reservoir
- 23 Spring agitator
- 24 Removal screw
- 25 Primary air input
- 26 Step grate
- 27 Level flag
- 28 Secondary air openings
- 29 Ash drawer
- 30 Combustion chamber
- 31 Forklift pockets
- 32 Cold air fan



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