



A WORLD
FIRST

Mobile hybrid chipper **HC 1250 / HC 1266**

The Green Business Class.
Simple. Better. Future-proof.



neuson
ecotec

The Green Business Class:

Green performance in every respect.
Economy, technology, quality.

The mobile hybrid chipper of Neuson Ecotec is a world innovation—a perfect “both-and” machine for each input material from high-grade trunk wood to untreated rootstocks. And even for material that so far has had to be processed by means of slow-speed machines plus three-fraction screens.

A revolutionary concept and a future-proof investment that makes you independent of varying material qualities.

The mobile hybrid chipper HC (HybridChipper®) is a complete system, available by standard with two drum rotors that can be changed within a few hours:

- ||||| With the heavy-duty rotor LogChipper® (LC) for processing trunk wood or iron-free wood residues from sawmills.
- ||||| With the innovative rotor RootChipper® (RC) for processing root wood as well as all materials that have so far required an additional slow-speed machine plus a three-fraction screen.
- ||||| High fuel efficiency due to an elaborate combination of knife technology, discharge, and direct drive mechanism with a high flywheel mass.
- ||||| The screen baskets of 30 to 125 mm can be exchanged without any tool.
- ||||| Self-explanatory and intuitive operator guidance.

The Neuson Ecotec LogChipper®

The high-efficiency machine for trunk wood up to 90 cm in diameter.

LC 1250 / LC 1266 application profile:

Where hardwood or softwood, logs and timber, bundled wood, eucalyptus, or iron-free wood residues from sawmills are to be chipped into smalls of predefined qualities and true to size quickly, economically and safely:

- ||||| No fines and constant, classifiable quality
- ||||| Complete material utilization
- ||||| Guaranteed selling of smalls.

The LogChipper® (trunk wood chipper) displays its leading-edge technology. Wherever it's employed.

- ||||| The perfect matching of feeding and rotor guarantees the dimensional accuracy of the smalls; that's how quality is produced
- ||||| Up to 300 lcm (loose cubic meters) throughput per hour
- ||||| The direct drive mechanism and the discharge via a slewable conveyor belt ensure that each litre of fuel is used to its best
- ||||| Automatic detection of extraneous material
- ||||| High availability due to service-friendly design and bolted rotor construction, wear parts can be exchanged while assembled
- ||||| Can be exchanged with the Neuson Ecotec RootChipper® rotor within a few hours.



A top machine for highest quality of smalls and outstanding throughput when chipping trunk wood of up to 90 cm in diameter.

Readjustable, multiple-use knives and the automatic detection of extraneous material increase the availability of the machine and reduce service costs.

The quality and cleanness of the chips will become pivotal factors of success for biomass products. And last but not least they are the prerequisite for getting interesting prices for the material and the work.

The Neuson Ecotec RootChipper®

The root wood chipper for inferior input material and forest residues.

RC 1250 / RC 1266 application profile:

Where root wood or untreated rootstocks, shrub cuttings or lop, soft trunk wood (up to 80 cm in diameter), bundled softwood (such as pine or spruce), or scrap wood with a low share of iron is to be chipped into ready-made, fragmented and non-splintering biomass quickly, economically and safely:

- ||||| Secured value creation even with ever-decreasing input material quality
- ||||| Fragmented quality chips instead of splintered “shredder material”
- ||||| Saving of working steps compared with slow-speed machine plus three-fraction screen.

The RootChipper® (root wood chipper) means an upgrade for each material, thus being a reliable value creator for each processor and supplier.

- ||||| High availability of the machine due to simple and robust design of the rotor
- ||||| Reasonably priced disposable knives that can be changed within minutes
- ||||| Up to 250 lcm (loose cubic meters) throughput per hour
- ||||| Can be exchanged with the LogChipper® rotor within a few hours.



Upgrading rootstocks and forest residues and chipping it into biomass—this will guarantee the profit even with a decreasing quality of the input material.

High availability of the chipper due to excellent maintenance friendliness. The open access to the rotor makes daily inspection particularly easy. Everything can be seen at a glance.

Chipped, fragmented, and high-grade biomass through and through instead of splintered shredder material. This is small quality in demand without fines and overlengths.

The Neuson Ecotec HybridChipper®

The complete all-rounder with trunk wood and root wood chipper.

HC 1250 / HC 1600 overview:



1 The feeding device is available as short version (3.5 m) or long version (4.5 m). Just as needed.

2 Two machines in one: the LogChipper® and the RootChipper® can be interchanged within a few hours.



3 The material can be discharged via a slewable conveyor belt or a blower (only with LogChipper®).



4 Mobility enhances the value: the machine can be moved via a 3-axle rigid drawbar trailer, mounted on a truck, as semi-trailer, or crawler-based.



6 The live ring construction provides for an enormous increase in productivity on site. It can be turned up to 90° to both sides and is available for each undercarriage.



5 The screen baskets (from 30 to 125 mm) can be exchanged easily and quickly without any tools.

Technical data

	LC1250	LC1266	RC1250	RC1266
Concept	Drum-type chipper		Drum-type chipper	
Range of application				
Chipping of	trunks of hardwood and softwood		roots as well as green waste and shrub cuttings	
Trunk diameter	700 mm	850 mm	800 mm	
Output				
Max. capacity roots, green waste and shrub cuttings			up to 200 lcm	up to 250 lcm
Max. capacity trunk wood	up to 250 lcm	up to 300 lcm		
Engine data				
Engine	Deutz TCD 12.0 V6	Deutz TCD 16.0 V8	Deutz TCD 12.0 V6	Deutz TCD 16.0 V8
Output	462 hp / 340 kW	653 hp / 480 kW	462 hp / 340 kW	653 hp / 480 kW
Emission standards	Euro 3B		Euro 3B	
Cooling	fluid, reversible fan		fluid, reversible fan	
Diesel tank (external)	2 x 400 litres (trailer)		2 x 400 litres (trailer)	
Electrical installation	24 VDC		24 VDC	
Chopping unit				
Rotor type	steel discs bolted		drum welded	
Rotor diameter	1140 mm		1140 mm	
Number of knives	16		26	
Chipping rotor revolutions	466 rpm		466 rpm	
Screen basket	mesh size 30, 50, 65, 80, 125 mm		mesh size 30, 50, 65, 80, 125 mm	
Coupling				
Drive type	belt pulley clutch with hydr. belt tensioning		belt pulley clutch with hydr. belt tensioning	
Power transmission	via two 5-fold belts		via two 5-fold belts	
Material feeding				
Chain belt 3.5 m length x width	2000 x 1290 mm		2000 x 1290 mm	
With feeding flap	3680 x 1290 mm		3680 x 1290 mm	
Feeding height max.	900 mm		900 mm	
Feeding width max.	1200 mm		1200 mm	
Feed conveyor	chain belt of steel		chain belt of steel	
Material discharge belt				
Length	7000 mm		7000 mm	
Width	750 mm		750 mm	
Discharge height (at inclination 40° and trailer-mounted)	5000 mm		5000 mm	
Weight				
Version with conveyor belt (only machine)	20500 kg	21000 kg	20000 kg	20500 kg
Dimensions				
Width x length x height	2550 x 6810 x 2610 mm		2550 x 6810 x 2610 mm	
Trailer version	2550 x 6810 x 3830 mm		2550 x 6810 x 3830 mm	
Mobility				
Trailer	3-axle central axle trailer		3-axle central axle trailer	
Admissible speed	80 km/h at max. 24000 kg		80 km/h at max. 24000 kg	
Options				
Mobility: truck-mounted, trailer with turntable, semi-trailer, crawler track hydraulics: crane pump for truck version central lubrication hard-faced tools chain belt 4.5 m blower working headlights bio hydraulic oil special paint more options on request				

Flexible hybrid chipper or powerful material specialist? Take your pick with Neuson Ecotec.

Always the same machine, but with customized interior:
the rotor makes the difference.



The **LogChipper® (LC 1250 / LC 1266)** is a professional-grade trunk wood chipper for top quality and top performance.



The **RootChipper® (RC 1250 / RC 1266)** is a universally applicable root wood chipper that gets to the root of any decreasing quality of the input material... constantly producing smalls that are precisely chipped and that are not splintered: no fines, no overlengths.

HybridChipper®, LogChipper® and RootChipper® are available, each, in the versions 1250 and 1266, differing in the motor output.



The Green Business Class. Simple. Better. Future-proof.

Advancement, success, and new verve: the environmental and forestry machines of Neuson Ecotec simplify work, assure quality, and set industrial standards.

Competent solutions instead of complicated systems, easy handling instead of confusing technology, and last but not least economic success—that's what the Green Business Class of Neuson Ecotec stands for. Making use of it, enterprises, organisations and communities can take the lead: both in terms of productivity and in terms of quality and cost leadership.

We know the way, we have the right machines, and render professional service:
The Green Business Class.

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