



**Genadier
MBK512/513**

Herder.nl

Mowing at a higher level

The Grenadier is Herder's most versatile and powerful tool carrier that can be used for a wide variety of purposes and under any conditions. Whether maintaining roadsides, ditches or vegetation. More than 15 types of tools can be attached to the Grenadier. The mowing arm is attached to the side of the tractor. This gives the driver a better view of the tools and the work. In addition, this reduces the physical load on the driver, creating an ergonomic workplace.

The Grenadier is standard available with armlengths between 6.40 meters and 8.80 meters.

Various tools can be attached to the rotating boom set to maintain ditches, roadsides and plantings. The movements of the booms and the attached tool can be controlled with extreme precision from the cabin by an advanced control system.

In order to comply with the Road Traffic Act for longer boom lengths, it is possible to equip the machine with additional pivot points in the boom. This way, the transport position of the boom is within the legal requirements.

Application ditch maintenance

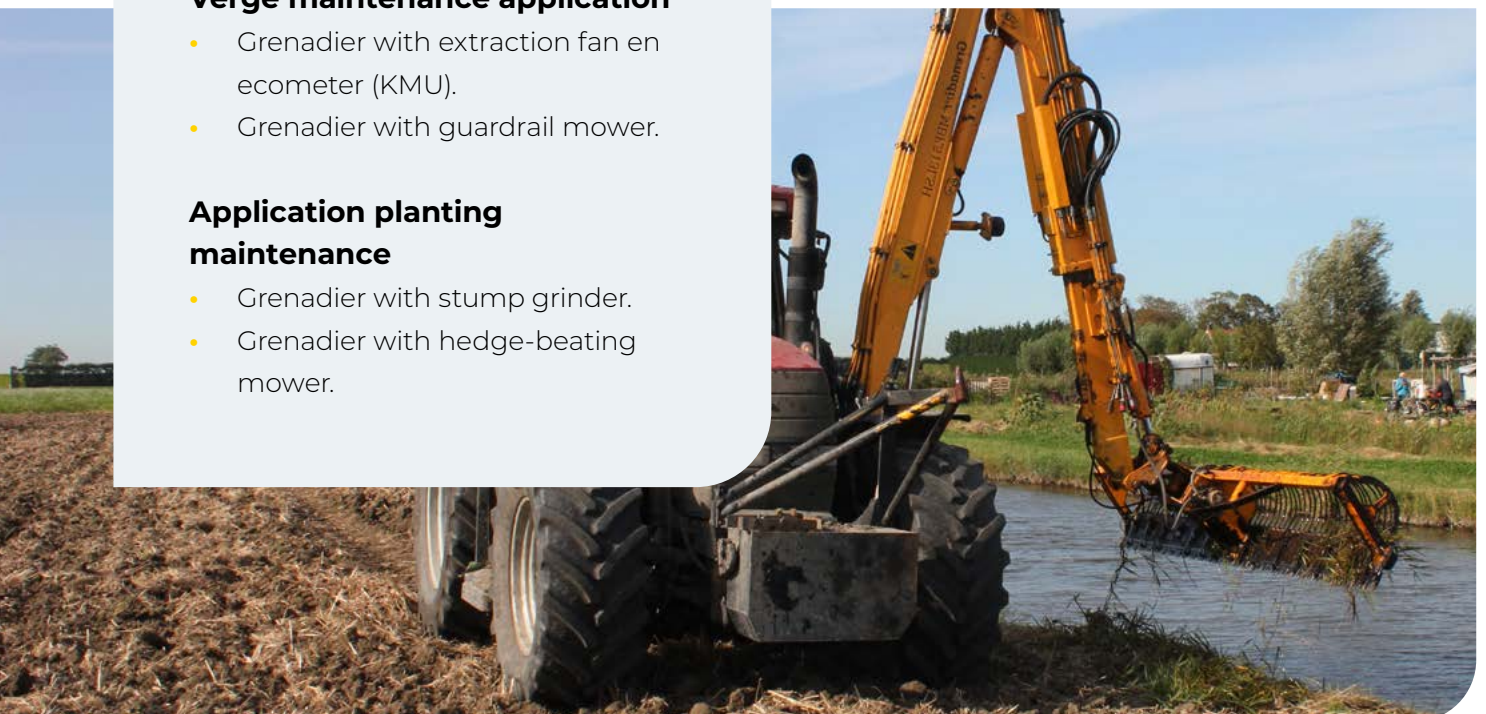
- Grenadier with cutting basket.
- Grenadier with ecometer (KMU).

Verge maintenance application

- Grenadier with extraction fan and ecometer (KMU).
- Grenadier with guardrail mower.

Application planting maintenance

- Grenadier with stump grinder.
- Grenadier with hedge-beating mower.





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Efficient work starts with effective operation

It is a pleasure to work with the Grenadier. Its operation is simple, and the controls are arranged logically. With the optional joystick control, you will have complete job satisfaction and economic control over the machine. You can choose from four control menus with the electric joystick. EURO control is programmed as a standard in Menu 1.

In addition, you can program two other menus for (mobile) work with the right-hand joystick. The fourth menu can be adjusted as desired. You can activate the front axle lock on the control box.

Depending on the options selected with the Grenadier, you can also accommodate, engage or operate them from the control box.



Automatic Ground Pressure Regulation is available as an option for the Grenadier. This Regulation ensures that the ground pressure of the work tool remains equal when the boom position is changes. Thus, the operator no longer has to correct the float position manually. With ABR, the operator can concentrate better on the area to be mown or the traffic around him. If working faster and more safely is an option, then ABR is no added luxury.



Standard features

- Cylinders are designed and manufactured by Herder to provide faster operation and maintain their strength;
- The hydraulic switch valves and control valves are carefully selected and meet the highest requirements;
- Hydraulic unit with safety markings, LED working lamp and big tool box mounted in the lifting device of the tractor;
- Tailgate with gas springs for good accessibility to hydraulic components;
- The marker signs with LED lighting can be extended to satisfy road traffic legislation if the width norm is exceeded;
- The Grenadier comes standard with a 13.2 kW oil cooler to prevent temperature spikes and fluctuations.



Grenadier with exhaust fan

You can also have your Grenadier equipped with an exhaust fan to discharge the cut grass to an attached collection truck. Herder supplies high-quality suction hoses that meet all requirements and have an acceptable lifespan under normal operating conditions. The suction system is easy to maintain due to the easy-to-open fan housing and the detachable suction hose. The hose is available in $\varnothing 300$ mm.

- Front axle stabilization is not a luxury. Left for a fixed front axle and right for a suspended front axle;
- Work tool carrier at the front of the attachment frame. The boom rests on this in transport position;
- Quick connect hose on impeller housing, impeller with backward curved blades;
- Heavy-duty tow bar for mounting a collection truck.

A Grenadier customized

Herder has been building customized machines for more than 70 years. Machines that seamlessly match the wishes and requirements of our customers. We will be happy to inform you about the possibilities of having your Grenadier custom designed and manufactured.

- Optionally, two LED work lights can be mounted on the head of the second boom
- Grenadier in the 4-piece "Pro" version. This version has a transport position under 4 meters, with unobstructed view for the driver
- An example of a so-called "fixed attachment." The pumps are mounted on the front PTO and the hydraulic tank is placed above the left front wheel. In this version, the rear lifting device and PTO remain available for, for example, a side flail mower
- As an option, a transport position of the boom with implement to the rear can be provided
- The bucket cylinder can be optionally equipped with a rocker piece, which increases the tipping angle
- Grenadier MBK513 is equipped with a swivel column with 15° additional swivel range to the left, a sliding boom and a sliding tube as an alternative to the extraction hose



Specifications grenadier MBK 512/513

Pump capacity at 1000 rpm. PTO	S	LS	LSH
Tools 170 bar	10-55 L/min.	15-55 L/min.	15-55 L/min.
Tools 250 bar	120 L/min	120 L/min.	130 L/min.
Tools 330 bar	-	-	130 L/min.
Conveyor function (optional)	0-45 L/min.	0-45 L/min.	0-45 L/min.
Conveyor function by elec. controlled pump (option)	0-45 L/min.	0-45 L/min.	0-45 L/min.
Pump for drive extraction fan (option)	85-125 L/min.	85-125 L/min.	85-125 L/min.
Pump for boom control	65 L/min.	150 L/min.	150 L/min.
Pump for floating stand	14 L/min.	- *	- *
Minimum tractor power	60 kW	60 kW	80 kW
Minimum tractor weight	4500 kg.	4500 kg.	4500 kg.
Oil cooler	Yes	Yes	Yes
Hydraulic oil tank capacity	200 l.	200 l.	200 l.
HERDER quick fastener for tools	Yes	Yes	Yes
Lifting capacity with standard boom length	840 kg	840 kg	840 kg
Standard with working range with cutting basket	640 cm	640 cm	640 cm

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Grenadier booms combinations

Booms combination	Lift cylinder	Articulated cylinder	Size a
1+2	100 mm	100 mm	6,40 m
1L+2	100 mm	100 mm	6,80 m
1+2S	110 mm	110 mm	7,10 m
1L+2L	110 mm	100 mm	7,20 m
1L+2S	110 mm	110 mm	7,60 m
1DL+2L	110 mm	100 mm	7,60 m
1EL+2L	110 mm	100 mm	7,90 m
1DL+2S	110 mm	110 mm	7,90 m
1DL+2DL	110 mm	110 mm	7,90 m
1EL+2S	125 mm	110 mm	8,20 m
1L+2LS	125 mm	110 mm	8,20 m
1EL+2EL	125 mm	110 mm	8,50 m
1DL+2LS	125 mm	110 mm	8,50 m
1EL+2LS	125 mm	110 mm	8,80 m





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