

Perform better on all terrains with the Herder Grenadier



GRENADIER



The Herder Grenadier, versatile and powerful

The Grenadier is the most versatile and powerful tool carrier from Herder which can be used in all conditions for the most diverse purposes, from maintaining verges and ditches to plants and shrubs. More than 15 types of work tools can be attached to the Grenadier. The mowing arm is mounted on the side of the tractor, giving the driver a better view of the equipment. This also reduces the physical demands on the driver, creating a more ergonomic workspace.

The Grenadier is available as standard with boom lengths of 6.40 metres to 8.80 metres. On request, Herder can even develop booms with a reach of 11 metres.

Various work tools can be attached to the rotating boom set for maintenance work on ditches, verges and vegetation. An innovative operating system enables the operator to control the movements of the booms and the work tool with utmost precision from the tractor cabin.

The machine can be equipped with extra hinge points in the boom in order to satisfy road traffic legislation when using longer boom lengths. When the mowing arm is in the transport position, it meets the legal requirements.



Application in ditches



Grenadier with mowing bucket.



Grenadier with ecomower (KMU).

Application on verges



Grenadier with suction unit and ecomower (KMU).



Grenadier with guard rail mower.

Application on plants and shrubs



Grenadier with stump cutter.



Grenadier with rotary hedge mower.



Efficient work starts with effective operation



Herder always opts for the most ergonomic position for the operator in every tractor. The joystick ensures accurate operation of the booms. The control box is compact and logical in layout.

It is a pleasure to work with the Grenadier. Its operation is simple and the control devices are arranged logically. With the optional joystick control, you will have complete job satisfaction. You can choose from 4 control menus with the electric joystick control. EURO control is programmed as menu 1 as standard. In addition, you can program two other menus for (mobile) work with the right-hand joystick. You can set the fourth menu fully as desired. You can activate the front axle lock on the control box. Depending on the options selected with the Grenadier, you can also adjust, engage or operate them from the control box.

Automatic Ground Pressure Regulation (ABR)

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 changes. The operator thus 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 for you, then ABR is no added luxury.

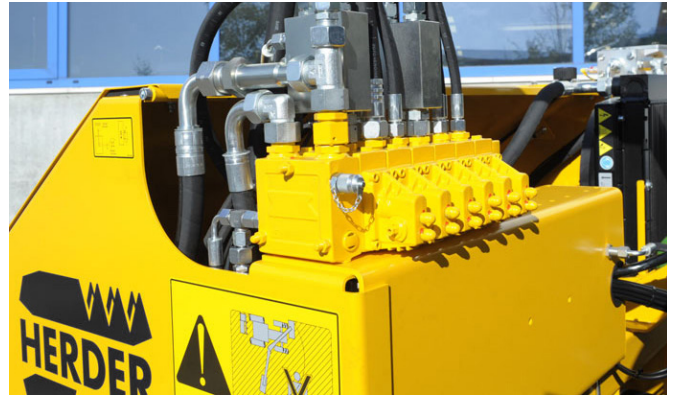


The standard equipment of the Grenadier meets all expectations

The Grenadier comes as standard with several items that allow you to work without any problems. And these extras are free of charge.



Herder develops and produces the cylinders so they can work faster and maintain their strength.



The hydraulic switching valves and control valves are carefully selected and meet the highest standards.



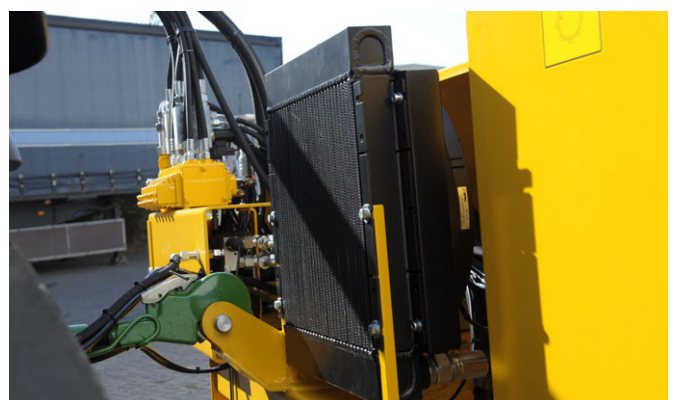
Hydraulic unit with safety markings, LED working lamp and a big tool box mounted in the lifting device of the tractor.



Tailgate with gas pressure springs for good access to the hydraulic components.



The marking signs with LED lighting can be extended to satisfy road traffic legislation if the width norm is exceeded.



The Grenadier is equipped as standard with a 13.2 kW oil cooler to prevent temperature peaks and fluctuations.





Front axle stabilisation is no luxury, but a real necessity. On the left a fixed front axle and on the right a suspended front axle.



Work tool carrier at the front of the mounting frame. The boom rests on it in the transport position.



Grenadier with suction unit

You can also equip your Grenadier with a suction fan to remove mown grass to a hitched dump cart. Herder supplies high quality suction hoses which meet all requirements and have an acceptable lifespan under normal operating conditions. The extractor is easy to maintain, as the fan housing can be opened easily and the suction hose can be removed. The hose is available in \varnothing 300 mm.



Quick connection of the hose to the impeller housing; impeller with vanes curved backwards.



Heavy-duty tow bar for attaching a dump cart.

A custom-built Grenadier

Herder has been building customised machines for more than 70 years. Machines which seamlessly match the needs and requirements of our clients. Let us tell you about the possibilities of having your Grenadier custom designed and built.



Optionally two LED inspections lamp can mounted on the top of the second boom.



Grenadier in the 4-boom Pro execution. This execution has a transport position below 4 meter with free visibility for the driver.



Example of the so called "Fixed mounting". The pumps are connected to the front PTO and the hydraulic tank is placed above the left front wheel. In this model, the back lifting device and PTO remain available, for example for a side flail mower.



The boom and work tools can optionally be positioned rearwards for transport.



If desired, the bucket cylinder can be made with a tumbler which increases the tipping angle.



The Grenadier MBK513 has a pivot with 15° extra rotation range to the left, a sliding boom and a sliding tube as an alternative to the suction hose.



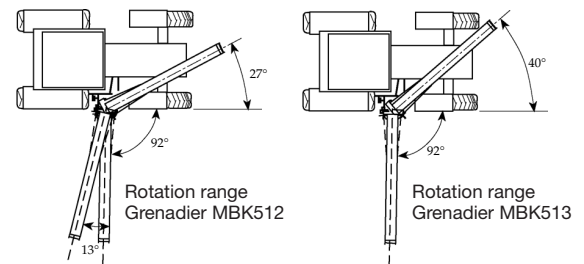
TECHNICAL DATA – GRENADIER MBK512/513

Pump capacity at 1000 rpm PTO	S	LS	LSH
• Tools 170 bar	10-55 l	15-55 l	15-55 l
• Tools 250 bar	120 l	120 l	130 l
• Tools 330 bar	-	-	130 l
• Conveyor belt (option)	0-45 l/min.	0-45 l/min.	0-45 l/min.
• Conveyor belt by means of electrically adjusted pump (option)	0-45 l/min.	0-45 l/min.	0-45 l/min.
• Pump meant for the drive of the suction ventilator (option)	85-125 l/min.	85-125 l/min.	85-125 l/min.
• Pump for the boom operation	65 l/min.	150 l/min.	150 l/min.
• Pump for the Float position	14 l	_*	_*
• Minimum tractor power	60 kW	60 kW	80 kW
• Minimum tractor weight	4500 kg	4500 kg	4500 kg
• Oil cooler	Yes	Yes	Yes
• Tank volume – hydraulic oil	200 l	200 l	200 l
• HERDER quick connect for work tool	Yes	Yes	Yes
• Lifting capacity with standard boom length	840 kg	840 kg	840 kg
• Standard working radius with mowing bucket	640 cm	640 cm	640 cm

* Via pump for the boom operation

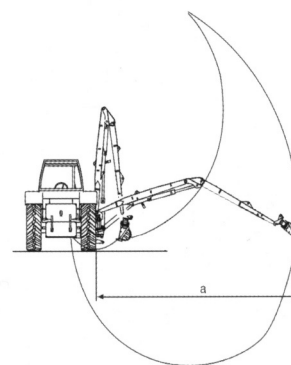
GRENADIER BOOM COMBINATIONS

Boom combination	Lifting cylinder	Bucket 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



a) Working radius with mowing bucket from the pivot.

* Dimensions depend on tractor type and work tools



You will achieve more with Herder



GREN-EN-05

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