POTATO TECHNOLOGY
BEET TECHNOLOGY
VEGETABLE TECHNOLOGY

GRIMME

Highlights

REXOR 620/630

6-row self-propelled sugar beet harvester with 20- or 30-ton bunker

Unique variety of options

GRIMME offers the highest variety of defoliating and digging systems in the market.
All of these options are available with the REXOR 620 and 630.

Trouble-free defoliating

Chopper, multi topper and variable chopper

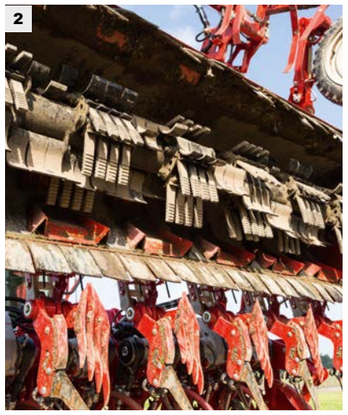
The chopper (1) in combination with minimal scalper (3) is for universal use and a failure-free operation even under the most adverse conditions.

The multi topper (2) chops the leaves and cleans the beet head so that the green leaves around the head are removed. It consists of a multi-shaft with a combination of steel and rubber flails followed by a minimal scalper unit. Even in dry crop with wilted leaves, the minimal scalper unit works in an optimal way. The result is a beet without leaves (4), which is scalped with a minimal cut on top.

The variable chopper (5) allows for easy digging in heavily weedy crops. The operator can easily shift from mulching between the rows to side discharge (onto the harvested land) from the drivers cab. When using the side discharge unit, both the traction and the slope stability are significantly improved in wet conditions, since the harvester does not drive on “greasy” beet leaves.

1

2

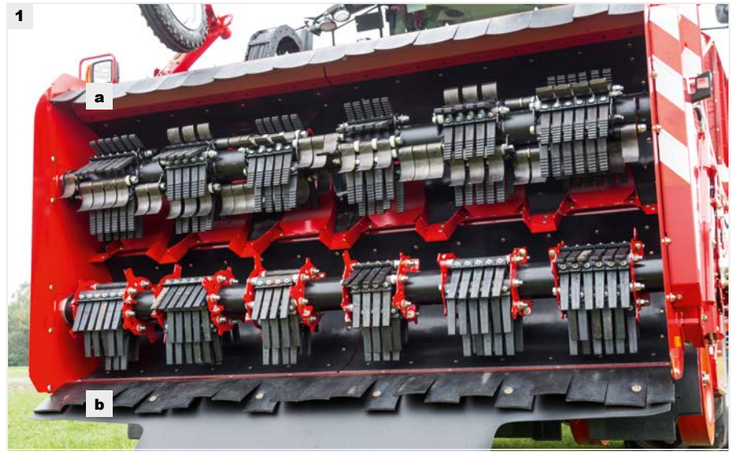


3

4

5

1



2

3

Intelligent harvesting

High capacity defoliator

Two scalper units are fitted to the FM therefore a scalper unit is not required. Loss of weight and loss of valuable ingredients, due to breathing during storage in the clamp, are kept to a minimum.

The multi-shaft (1a) is fitted with a combination of steel and rubber flails. The shorter steel flails chop off the beet leaves as well as the weeds between the rows. The longer rubber flails gently defoliate the beet crown from the rear. Rubber flails are mounted on the cleaning shaft (1b) for a gentle defoliation of the beet from the front side. The result is a perfect beet with a maximum of mass yield (2).

The mulching system deposits the chopped beet leaves between the beet rows (3), thus returning the nutrients to the place where they were absorbed by the plant. The beets can then be picked up optimally by the digging unit.

Key Advantages: It is possible to replace single rubber flails individually. Thus set-up times and downtimes are minimized significantly during the campaign. Both the multi topper and the defoliater FM are equipped in this way as standard.

Highest crop protection

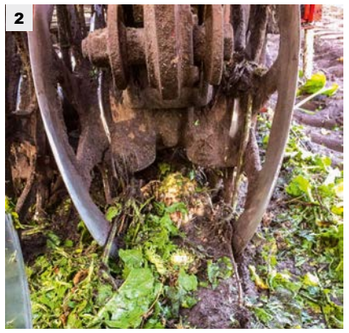
Oppel wheel

The Oppel wheels are driven on both sides (1). They lift the beet in an active but extremly gentle way from the ground (2). An increased harvesting speed is possible without a loss of quality or beets. Due to the design of the Oppel wheels, a large amount of trash is sieved off before the beet enter the intake unit of the machine. This works especially well in wet conditions. The good cleaning and sieving effect of the Oppel wheels means that the speed of the cleaning elements that follow can be adjusted, which is even more gentle to the crop.

The “rolling” movement of the Oppel wheels ensures a trouble-free operation without blockages even in heavily weeded crops.

Due to long maintenance intervals, every day of harvest during the campaign can be optimised and the wear costs are minimised.

For any maintenance, the topper can be moved into a maintenance position. This allows good access to the components on the intake (3).



Universal application

Walking shares

Walking shares (1) can be used universally. They operate in a clean and reliable way under varying conditions. Due to the special design, the driver always has an optimal view onto the walking shares (2). The Full adjustment can be made in a convenient way, at any time from the cab.

The intake can easily be moved into a maintenance position, by pushing a button in the cab (3). Due to the excellent accessibility of the defoliating unit and the digging unit, simple and fast replacement of flails and shares is possible. This leads to a minimum of set-up time thus a higher daily output.

High throughput, maximum crop protection

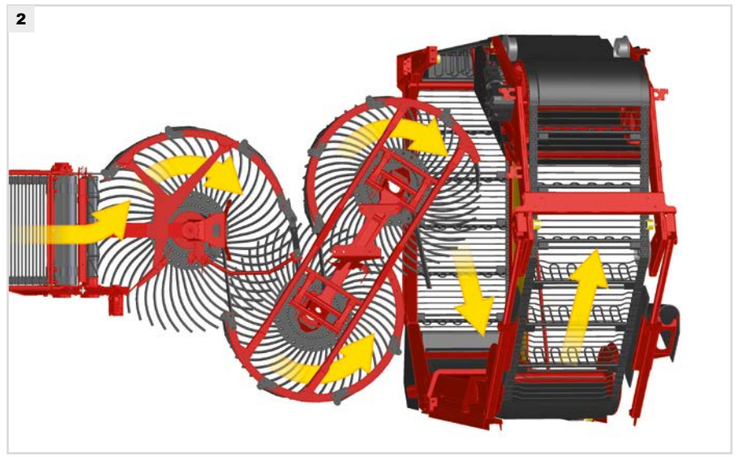
Speedtronic and cleaning turbine geometry

The REXOR is equipped as standard with Speedtronic (1), which works in a very fast and sensitive way. Speedtronic is a load dependant, automatic speed control system for the cleaning turbines and the ring elevator (2). This reduces fatigue for the driver. The risk of blockages is minimized and the throughput is increased while crop protection is increased.

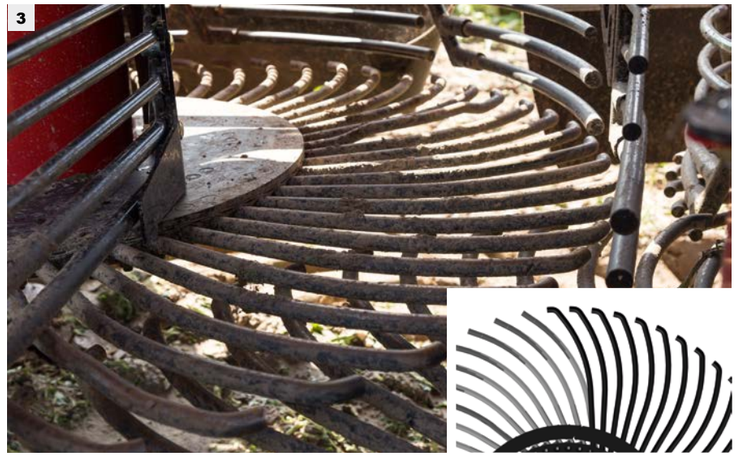
For an enhanced crop flow, the tines on the cleaning turbines have been improved (3).

1

2



3



Gentle unloading

Unloading elevator

The unloading elevator can be fitted with an additional kink (optional extra) to place the crop more centrally in the trailer as well as protecting it from damage. The vehicle height is significantly reduced.

Good accessibility

Engine compartment, bunker

The engine compartment and the bunker of the REXOR are easily accessible, using a ladder on the left side of the vehicle. The large safety panels on both side of the machine make it easy to carry out all necessary maintenance work. The lighting on the inside of the safety guards enables work to be completed in minimal light.

Most of the work can be carried out with standard tools which are stowed in the tool box at the rear side of the machine. There is also storage space for some wearing parts.

The Operating concept

ErgoDrive

The ErgoDrive cabin is equipped with 12 LED working lights, heated mirrors which are electrically adjustable and pneumatically foldable, an air-cushioned comfort seat, a passenger seat, CD / MP3 radio with Bluetooth® hands-free system, air conditioning, sunshades and 12 V electrical sockets. At the top of the ladder in to the cab there is a socket for compressed air available.

The main feature of the cabin is the ErgoDrive operating concept with multi-functional lever (= individual programming of all main functions to the first operator level for direct access), and a keypad which is integrated into an ergonomic armrest. Using two CCI 100 operator terminals, all machine functions and settings are displayed to the driver. Machine parameters can easily be adjusted.

Turning night into day

Working lights

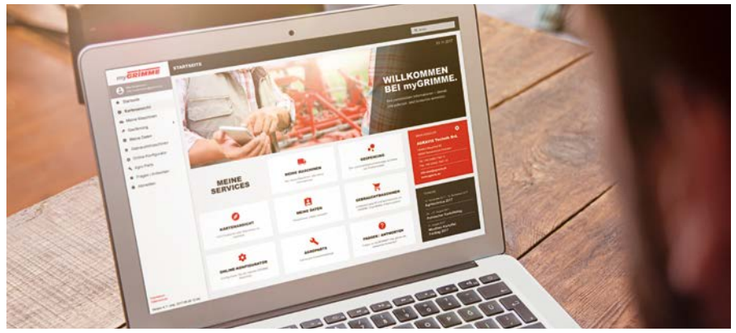
For a relaxed work at night, the REXOR is equipped as standard with 28 LED working lights. The entire machine is illuminated in a perfect way.

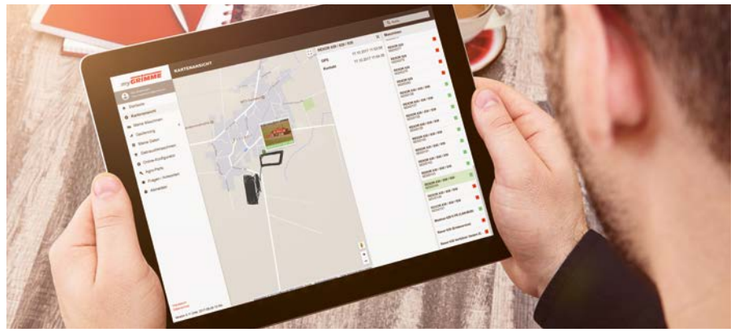
Keeping everything in sight

ProCam, Visual Protect

The optional monitoring system ProCam, in connection with the proven GRIMME video system, provides a real time display of the whole machines surroundings, without any blind spots.

Visual Protect (option) facilitates an all-round function monitoring of your harvester. Using several cameras in the machine, the driver get´s an automatic view on different components in case of an event which deviates from normal operation, the activation of machine functions or the modification of machine settings via operator terminal.





Intelligent Communication

myGRIMME

All GRIMME beet harvesters from 2017 onwards are able to communicate with the new internet-based customer portal myGRIMME, using an encrypted data protocol. Thus, machine-specific equipment, machine status and other information can be retrieved at any time in the portal.

Further information at **www.grimme.com**

Technical data

	REXOR 620	REXOR 630
Length	13300 mm	15600 mm
Width	3000 / 3300 mm	
Height in transport position	4000 mm	
Empty weight with basic configuration	26500 kg	31000 kg
Number of rows	6	
Digging unit Oppel wheels	x	
Digging unit walking shares (option)	x	
Lateral mobility Oppel wheels	± 40 mm	
Lateral mobility of walking shares	± 40 mm	
Row width	45 / 50 cm resp. 18 / 20“	
Digging unit movement	±150 mm	
Diameter 1st turbine	1700 mm	
Diameter 2nd and 3rd turbine	1500 mm	
Transport web clearance	500 mm	
Transport web pitch	60 mm	
Transport web pitch (option)	50 and 70 mm	
Ring elevator width	900 mm	
Bunker capacity	20000 kg	30000 kg
Bunker volume	33 m³	45 m³
Unloading web width	1800 mm	
Transfer height	4000 mm	
Number of wheels	4	6
Front wheels	Michelin IF 800/70 R38 CEREXBIB	
Centre wheels	–	Michelin 1000/55 R32 CEREXBIB
Rear wheels	MICHELIN 900/60 R32	
Angle of steering movement	± 10° / – / ± 25° / ± 35°	± 10° / ± 20° / ± 32° / ± 35°
Inner turning radius	7.50 m	
Transport speed (option)	20 (25, 32, 40) km/h	20 (25, 32) km/h
Motor power	390 kW / 530 HP	460 kW / 625 HP
Fuel tank capacity	1300 l	
AdBlue tank capacity	95 l	
Working lights	28 LED-working lights	

Grimme product range beet technology

Seeding technology

Harvesting Technology

12- and 18-rows

Self-propelled harvester 6-, 8- and 9 rows

More information on

www.grimme.com

and on social media platforms

facebook.com/GRIMMELandmaschinenfabrik

twitter.com/GrimmeGroup

youtube.com/user/GrimmeLandmaschinen

Download on the App Store

or download our GRIMME app from the Apple App Store onto your iPad.

Download our contact details onto your smart phone
quickly and easily by means of the QR code!

GRIMME Landmaschinenfabrik GmbH & Co. KG
Hunteburger Straße 32 · 49401 Damme · Germany
Phone +49 5491 666-0 · Fax +49 5491 666-2298
grimme@grimme.de · www.grimme.com

GEN.00835 04/18/1000 Version: 12/2017