



DEWULF KWATRO  
4-ROW  
SELF-PROPELLED  
SIEVING HARVESTER



Soil  
cultivation



Planting



Harvesting



Storage



Grading

**dewulf**  
enjoy growing



# EXPERIENCE THE CAPACITY OF A REAL 4-ROW HARVESTER

The Dewulf owner is progressive and tenacious. Reliable in everything he does. A hard worker who is, above all, proud of his profession. Upscaling in agriculture motivates him to

place greater focus on more efficient production methods and do so in the most economical way possible. There is no place for compromise.



## PURE CRAFTSMANSHIP

Since its launch in 2010, Dewulf was the first manufacturer to combine frontal harvesting with a traditional sieving path, hedgehog unit and cleaning modules, and all with the largest bunker on the market. Dewulf has since continued adding innovative developments, without detracting from what makes the machine so unique. Over the years, the Kwatro has built a strong reputation as a master in the field, anytime, anywhere. In 2015, the Kwatro underwent some

notable transformations and the message was loud and clear: Dewulf listens closely to the professional user in the field.

## HIGHEST QUALITY

With its luxurious cab, equipped with simple controls that allow the driver to concentrate fully on the task at hand, harvesting with the Kwatro is truly sublime. The harvester is built from high quality, easily replaceable standard components that are available worldwide. Reduced maintenance and increased productivity make harvesting enjoyable during the most crucial time of year.



# POTATO-FRIENDLY, FRONTAL HARVESTING

Thanks to the frontal harvesting concept, the potato baulks remain intact and you are assured of a quality product. The harvester has excellent stability thanks to the tracks and wide rear wheel. Due to this construction, it is possible to keep harvesting for longer in wet conditions. Beyond that, this concept makes it extremely easy to switch between various harvesting kits (for different vegetable crops). The harvesting unit is equipped with automatic depth control (ADC) based on two skids, separate harvesting shares and large, hydraulically driven discs. The harvesting unit is supported by a robust system of support rollers

between the baulks and automatic pressure control (APC). With the skids positioned between the baulks, the harvester automatically follows the rows (DAS). Closure flaps prevent the loss of potatoes when raising the harvesting unit. This mechanism also prevents losses due to possible driver errors. A diablo kit remains available as an option.



HARVESTING UNIT



CLOSURE FLAPS & DEPTH CONTROL



HYDRAULICALLY DRIVEN HAULM CHOPPER

The sieving path consists of a digger web followed by two sieving webs, without narrowing, which enables the driver to reach harvesting speeds of over 9 km/h. The Kwatro uses a short digger web first. It then divides into two sections, so it is also possible to harvest just two rows. A hydraulically driven torpedo prevents haulm build-up. With big haulm intake rollers, obstruction at the outer side is prevented. The transition to the following sieving web is very smooth indeed. A flexible bend halfway along sieving web 2 allows the harvesting

unit to perfectly follow the profile of the plot without changing the fall height between the digger web and sieving web 2. Turning frame parts are only found in the sieving path, which eliminates all risks of accumulation. A cunningly designed return path for the sieving webs then prevents clotting of soil in the mats.



The haulm chopper features excellent flail distribution (1). The masterful design of the rotor hood guarantees high suction force. The rotor hood is largely made of wear-resistant synthetic material, which prevents the clumping of soil. The automatic depth control with two skids (2) flawlessly follows the baulks, ensuring perfect pulverization. A haulm chopper with side discharge is available as an option.



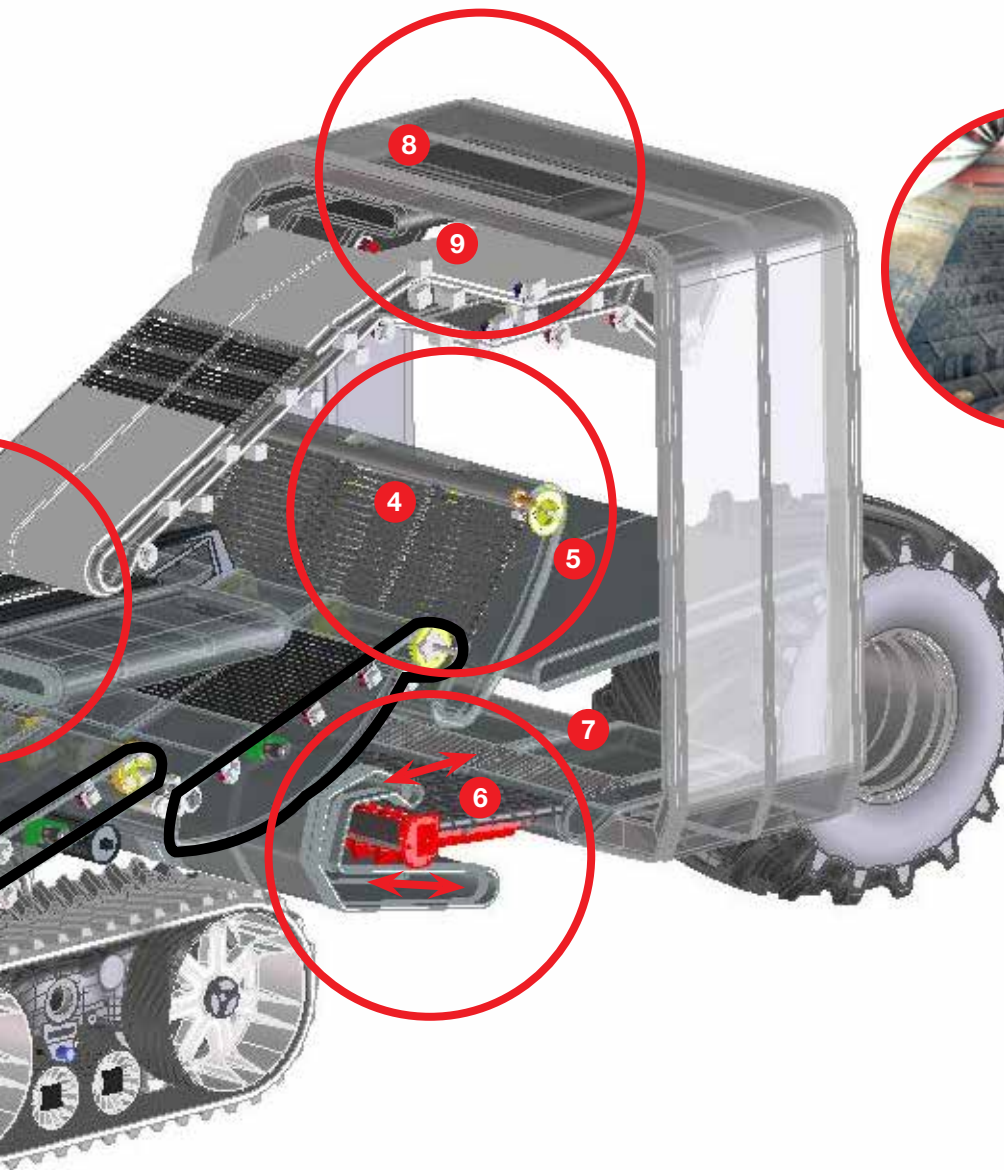
With a two-piece sieving path (3), consisting of a digger web and two sieving webs, without narrowing, the Kwatro provides unrivalled sieving capacity. An optional rotary agitator in the digger web provides additional sieving capacity. Sieving web 2 comes standard with two eccentric agitators. An ideal adjustable 3-metre-long haulm roller is fitted at the end of sieving web 2 to provide sufficient haulm processing capacity. Sieving web 3 is also fitted with an eccentric agitator. For the digger web and sieving web 2 there is a choice of sieving chains in steps of 36-40-44-50. Sieving web 3 can be fitted with a sieving chain in steps of 35-40-44-50.



The hedgehog unit (4) provides the first intensive cleaning and has a width of 2.7 m, consisting of two hedgehog chains. This is perfectly adjustable in angle and speed, with excellent cleaning as a result. Soil and haulm are removed by a PVC waste belt (5) just in front of the machine's rear wheel.

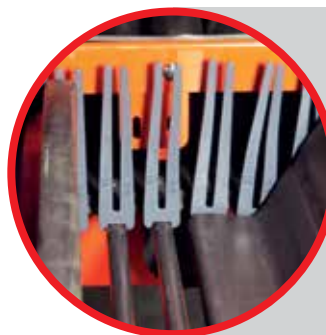






The Kwarto is standard equipped with a sieving module. If more intensive cleaning is desired, this can be expanded with an axial (30 rollers) or Flexyclean® module (6).

The Flexyclean® is a patented bypass system in combination with axial rollers, which allows you to perfectly accommodate all conditions. The extent to which the potatoes are cleaned is infinitely adjustable via the Flexyclean®. The axial rollers can be tilted down with the aid of a hydraulic cylinder for easy replacement of the rollers and to perform daily maintenance.



The potatoes are distributed across the entire width of the ring elevator (1.2 m) with a 3-section distributor (7). The ring elevator is fitted with active side walls that prevent damage to the potatoes. The ring elevator has two inner webs (8) with drop gates that are of different lengths. This ensures optimal distribution on the discharge conveyor.



The bunker (10) has a capacity of 17.5 m<sup>3</sup> with automatic filling. This is a major advantage when harvesting from long plots with a large yield. The one-part bunker makes it possible to unload the entire bunker quickly or to unload on the move. Optionally, one can choose for a two-part bunker with bar web for extra sieving capacity. The bunker is equipped with an automatic hydraulic tensioner, ensuring that the bunker chain always has the desired tension and is less susceptible to wear.



## A WORK ENVIRONMENT IN WHICH YOU FEEL AT HOME

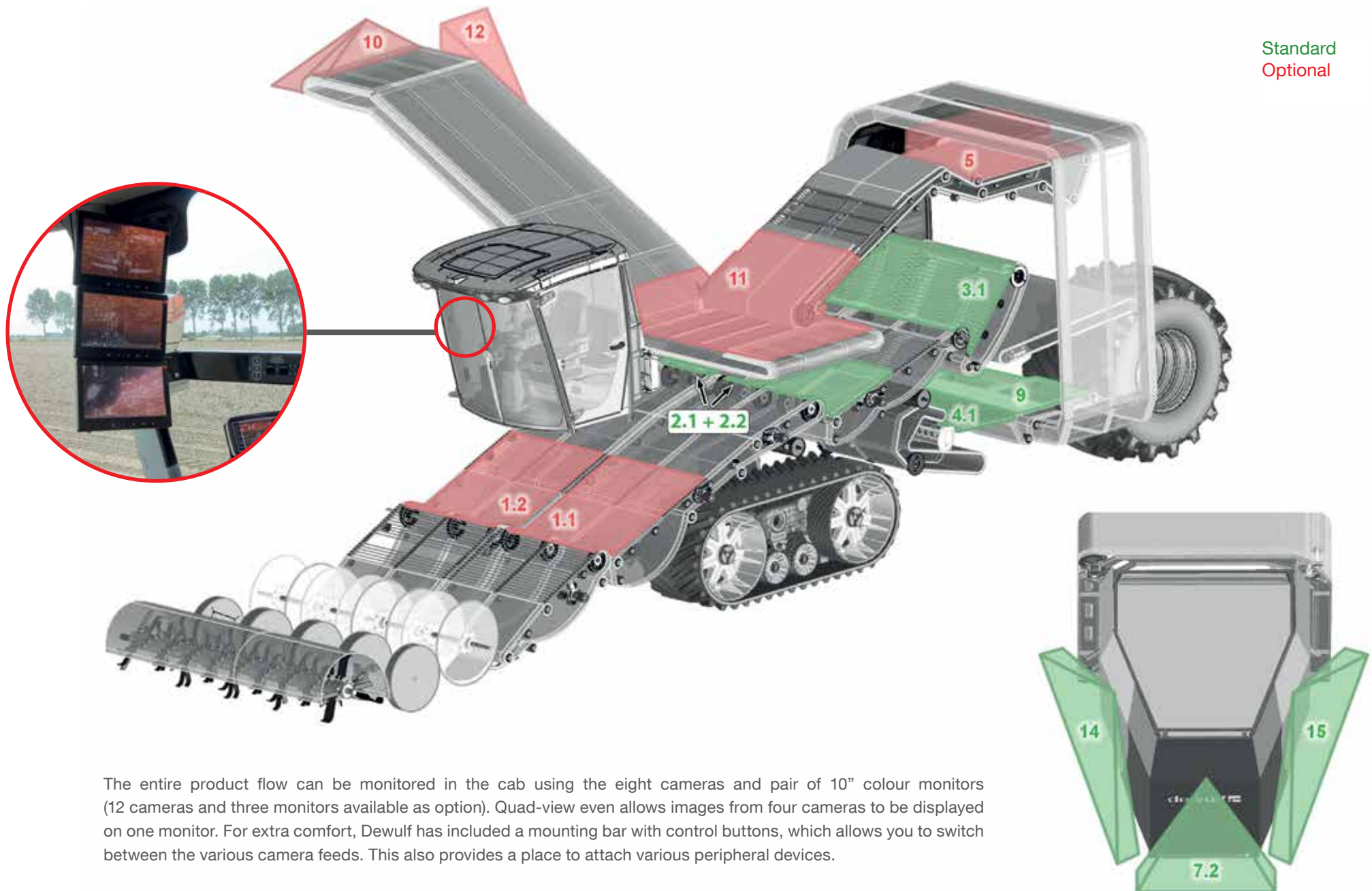
With the roomy new Claas cab, Dewulf has created an enjoyable working environment focused on the driver. Comfort and ergonomics have been given new meaning. Thanks to an excellent view on the harvesting unit, the harvesting experience with the Kwartro is sublime. The harvester can be operated easily by means of a joystick, control unit for the harvesting section and control unit for the driving section. All the controls are close together, thus ensuring convenient operation. Pedals are provided for steering the tracks and controlling the machine inclination.

The ergonomic joystick fits comfortably in the hand without requiring too much hand movement. The joystick has 20 buttons, providing direct control over sufficient functions. Furthermore, it is possible to link various harvesting parameters in five configurable preselections. This allows you to completely reconfigure the machine at the touch of a button.





## CAMERA POSITIONS



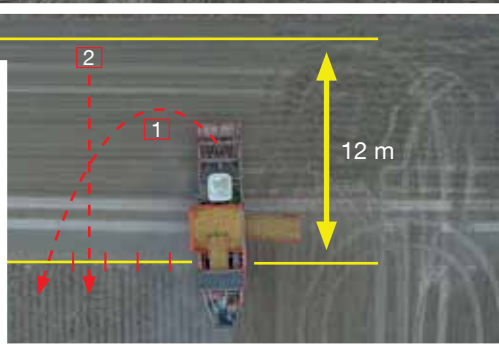
# MASTER OF THE FIELD, ANYTIME, ANYWHERE

The perfected weight distribution, the 900 mm wide tracks and the super-wide rear wheel (Mitas 1250/50 R32) ensure perfectly flat ground after harvesting, with minimal compacting. The Kwatro has the lowest ground pressure per cm<sup>2</sup> in the market without overloaded rear wheels or narrow wheels at the front that dig in deeply between the baulks. Optionally, it is possible to have an extra wheel axle between the tracks which perceptibly reduces the load on the tracks. Thanks to a maximum rear wheel steering deflection of 60°, the harvester is

surprisingly manoeuvrable, even on the smallest plots. The tracks automatically assist with steering once the rear wheel reaches a certain angle. The traction power can be adjusted per track/wheel, ensuring that harvesting can continue in even in the most challenging circumstances and weather conditions, which makes the Kwatro reliable.



Claas Terra Trac (900 mm x 2950 mm)



Super-wide rear wheel (1250/50 R32) with a tyre pressure of 1.4 bar.



## POWERFUL ENGINE, LOW FUEL CONSUMPTION

The Kwatro is equipped with a 500 hp Scania DC13 Stage IV engine. The cooling works independently from the engine and as a result offers more freedom in regard to the engine speed. All cooling circuits are connected to one radiator (H2O, intercooler, oil and air conditioning) with proportional control of the reversible fan. The engine complies with the most stringent requirements in regard to emission standards.

On the road the engine speed is limited to 1550 rpm, and the normal operating range lies between 1250 rpm and 1750 rpm (depending on the conditions). In this way, high performance is achieved in the most economical way. The transversely mounted engine provides excellent accessibility. The user-friendly ladder makes the daily inspections and refuelling quick and easy. As a result, a minimum of valuable time is wasted during the most crucial harvest period.

## THE HIGHEST QUALITY

This world class harvester is built with the highest quality standard materials in the market and is designed to meet the most stringent requirements.



Easy access to daily checkpoints and for refuelling



Maximum use of pipes = no rubbing between hoses



# OPTIONS



## EXTRA WHEEL AXLE

An additional wheel axle reduces the load on the tracks by +/-5000 kg in road mode. In field mode the axle lifts and lowers automatically to reduce the pressure on the ground and prevent haulm accumulation.



## HAULM TOPPER WITH SIDE DISCHARGE

If you want to remove the haulm from the product flow right at the start, a haulm topper with side discharge is available. This is standard equipped with haulm spreader to make the soil cultivation easier thereafter.



## DIABOLO KIT

When you are faced with dry conditions with lots of clods, the diabolo kit offers the perfect solution. Thanks to APC (automatic pressure control), the desired pressure on the diabolos can be set in advance, allowing perfect adjustment to match the circumstances.



## HARVESTING KITS

The Kwatro is flexible for harvesting various vegetable crops. For example, there are kits available for harvesting onions, carrots, chicory etc.



## TWO-PART BUNKER

The two-part bunker is equipped with a bar web in the discharge elevator. This provides extra sieving capacity during unloading of the bunker.



## TRUCK SPOT

The truck spot is an aid for unloading on the move. The harvester driver uses four indicator lights to provide instructions to the driver of the tipping trailer.



## KWATRO XTREME

For growers who plant in 4 x 90 cm or grow in beds of 1800 mm Dewulf has developed the Kwatro Xtreme. This harvester also has a sieving path comprised of a short digger web followed by two sieving belts without narrowing. The digger web consists of two sieving chains, each 1760 mm wide. This width is maintained over the full sieving path, which makes this machine unique in the segment of the 4-row, 90 cm, self-propelled harvesters with frontal harvesting unit. After sieving, the product flow reaches the

hedgehog unit for an initial, intensive cleaning to guarantee the best possible cleaning result in the following cleaning module (sieving module, axial module consisting of 36 rollers or Flexyclean®). An additional cleaning module in the discharge elevator is possible for a completely clean product in the 17 m³ bunker.



# TECHNICAL DATA

• standard      o optional

HARVESTING UNIT	Kwatro	Kwatro Xtreme
Width of digger web [mm]	2 x 1460	2 x 1760
Hydraulically driven cutting discs	•	•
Haulm intake rollers	•	•
Diabolo kit	o	o
Spray track detection	o	o
Truck spot	o	o
APC (Automatic Pressure Control)	•	•
DSC (Dewulf Synchronisation Control)	•	•
ADC (Automatic Depth Control)	•	•
DAS (Dewulf Automatic Steering)	•	•
SIEVING CHAINS		
Length digger web [mm]	1870	1870
Length sieving conveyor 2 [mm]	3250	3250
Length sieving conveyor 3 [mm]	2280	2280
HAULM SEPARATION		
Haulm chopper with ADC	•	•
Haulm chopper with side discharge	o	o
Haulm roller	•	•
CLEANING		
Rotating agitator in the digger web	o	o
Two eccentric agitators in sieving web 2	•	•
Eccentric agitator in sieving web 3	•	•
Hedgehog unit	•	•
Sieving module with additional haulm roller	•	•
Axial module	o	o
Flexyclean®	o	o

RING ELEVATOR	Kwatro	Kwatro Xtreme
Distribution before the ring elevator	via 3 bar webs	via 3 bar webs
Width ring elevator [mm]	1200	1200
Ejection roller	o	o
BUNKER		
Unloading height min/max [mm]	1800/4200	1800/4200
1-part bunker	•	•
2-part bunker	o	o
Automatic filling	•	•
Automatic oil lubrication system	•	•
Capacity	17,5 m³	17,5 m³
ENGINE		
Type	Scania DC13, EU stage IV	
Power	368 kW (500 hp)	
Engine speed during harvesting [rpm]	1250 - 1750	
Fuel tank 1000 l	•	•
AdBlue tank	60 l	60 l
DIMENSIONS		
Total length during harvesting [mm]	14 892	14 892
Total length during transport [mm]	14 090	14 090
Total width [mm]	3500	4100
Total height [mm]	4000	4000
Weight from [kg]	27 750	30 250
Tracks	2x Claas tracks (900 mm x 2950 mm)	
Extra wheel axle between the tracks	o	o
Rear wheel	Mitas 1250/50 R32 (1250 x 1858 mm): • Continental 1050/50 R32 (1055 x 1858 mm): o Michelin 1050/50 R32 (1055 x 1858 mm): o	