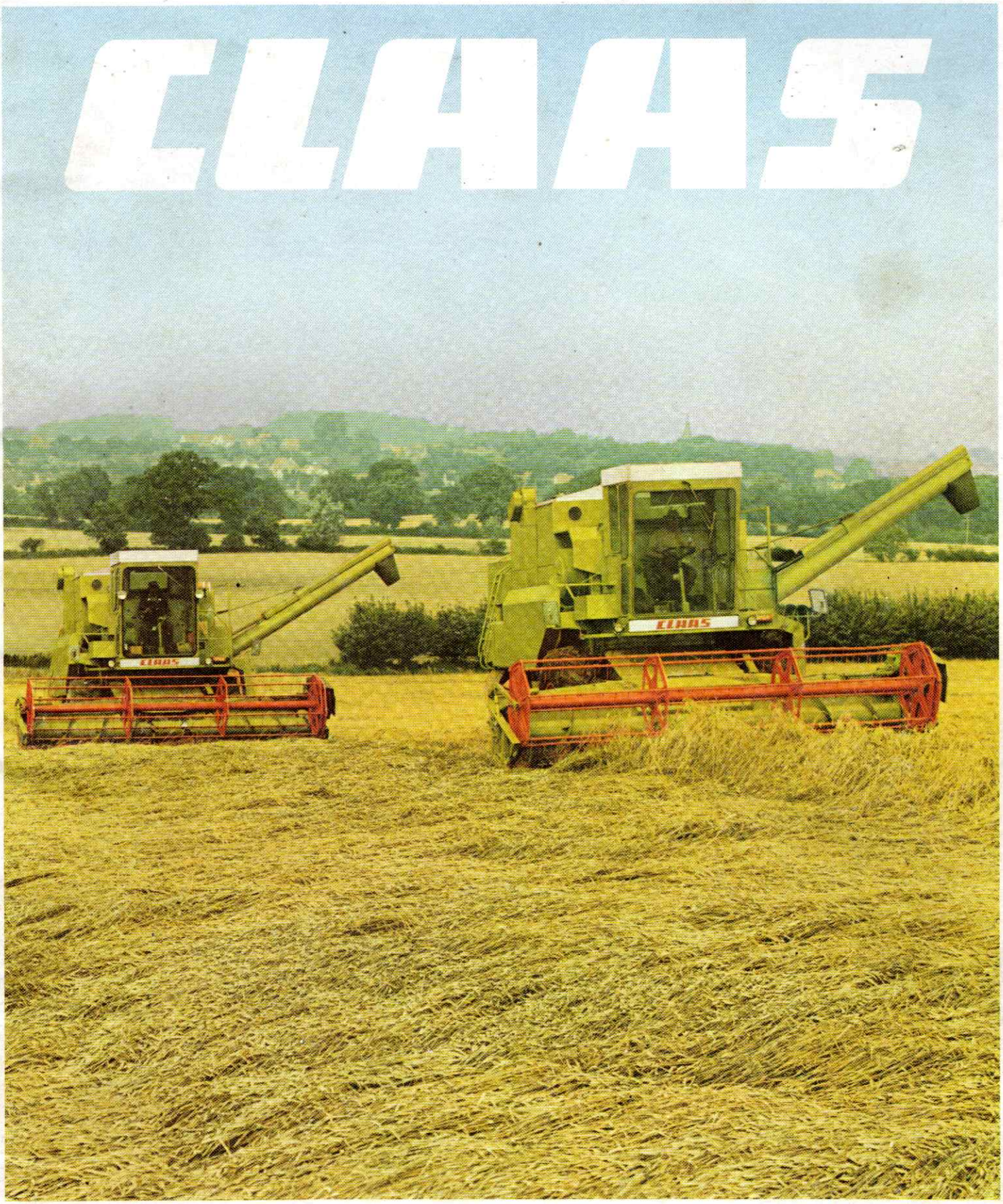
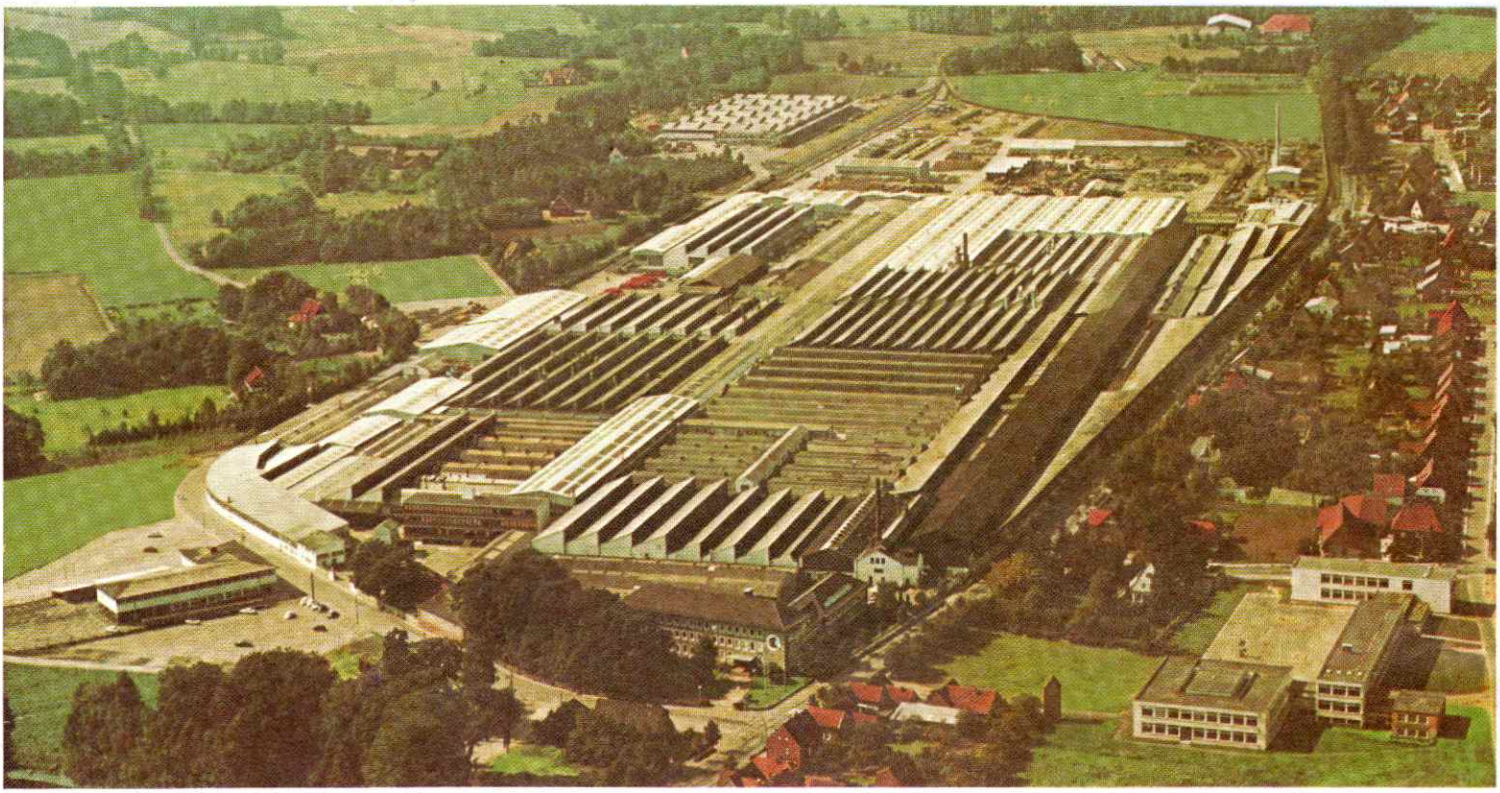
CLAAS



DOMINATOR 105 · DOMINATOR 85/85H



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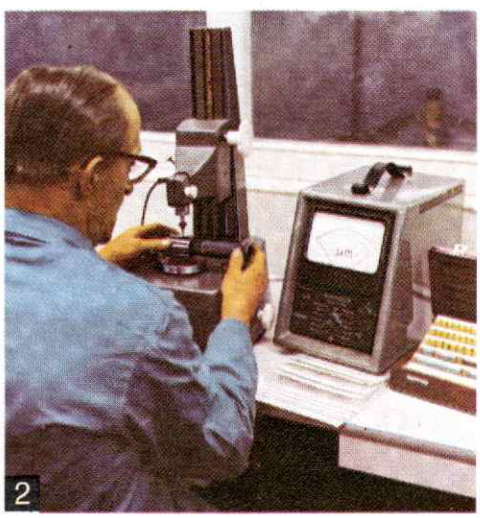
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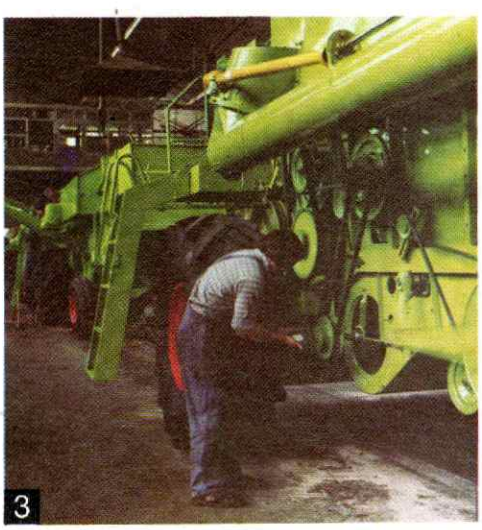
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CLAAS! This means Experience, Quality and Reliability.

This is the CLAAS Parent Company in Harsewinkel, where the Combine Harvesters have been built for decades. Close to 300.000 so far. Here is large range serial production (1) on three assembly lines. Quality requirements are high. Therefore, again and again controls have to be passed. It starts with the raw material (2) and stops at the final check out (3) before despatch. Corrosion? We fight it. This is why for the first coating we dip the material into an electrophoresic bath (4). Now the machine part is coated completely. But this is not all: Before assembling, all parts receive a finished coating and the first and last coats are baked in at high temperatures to achieve the best possible resistance to any corrosion. Connecting elements and small parts are zinc cromated. That's how quality is achieved, also long life, therefore, CLAAS combine harvesters demand a good price for some years because they remain in good condition.

CLAAS-DOMINATOR 105 and 85 the top range giants!

As acreages and yields increase there is, in the grain harvest, a continuing trend towards bigger machines. To beat the weather, fast, high performance machines are needed. Big farms and contractors cannot cope without the powerful giant combine harvester, which offers a great deal of driving and operating comfort. This is the reason for CLAAS developing their DOMINATOR 105 and DOMINATOR 85. Both combine harvesters are top machines produced by the largest European Combine Harvester Manufacturer with close to 50 years of experience in this field. CLAAS have always been the leader in the production of giant self-propelled combine harvesters in Europe. The DOMINATOR 105 and DOMINATOR 85 are of highest technical standing, meeting all requirements of the market. Both are equipped with the efficient and powerful CLAAS straw-walkers.

Worldwide operating experience and latest findings in threshing techniques and combine construction were applied in the design of this machine. Purchasing such a harvesting giant has many advantages: they are faster, more aggressive and more efficient. With both models you can be sure of highest performance, easy operation and a great deal of driver's comfort to lessen the strain of harvest.

Laid Crop?
The CLAAS Cutterbar's reputation is high in such conditions.


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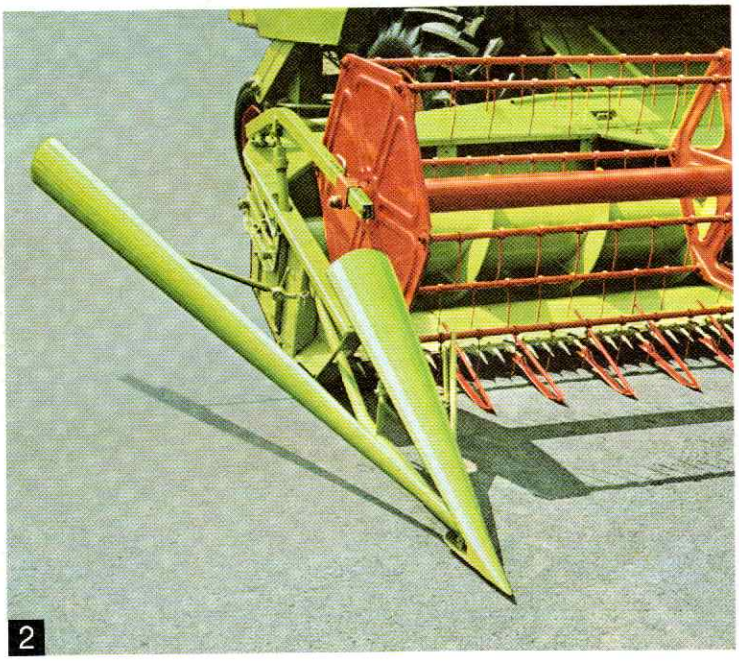
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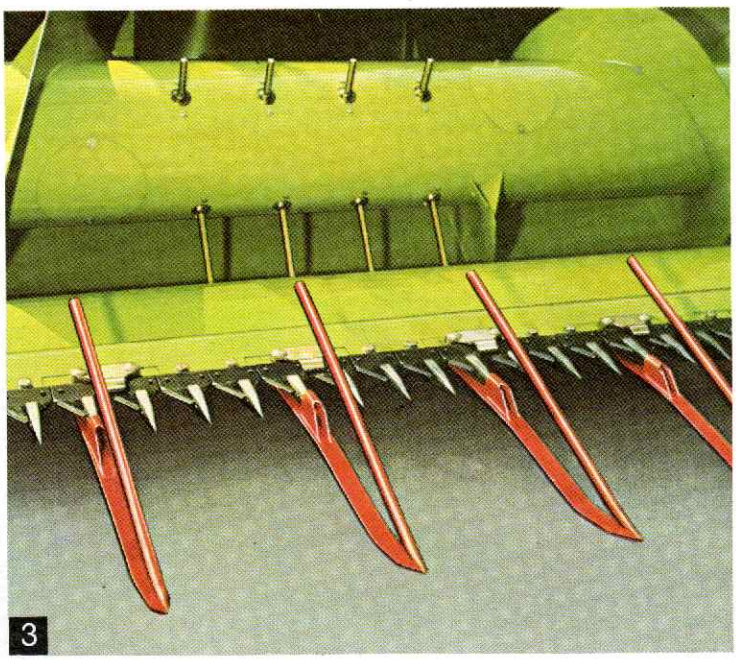
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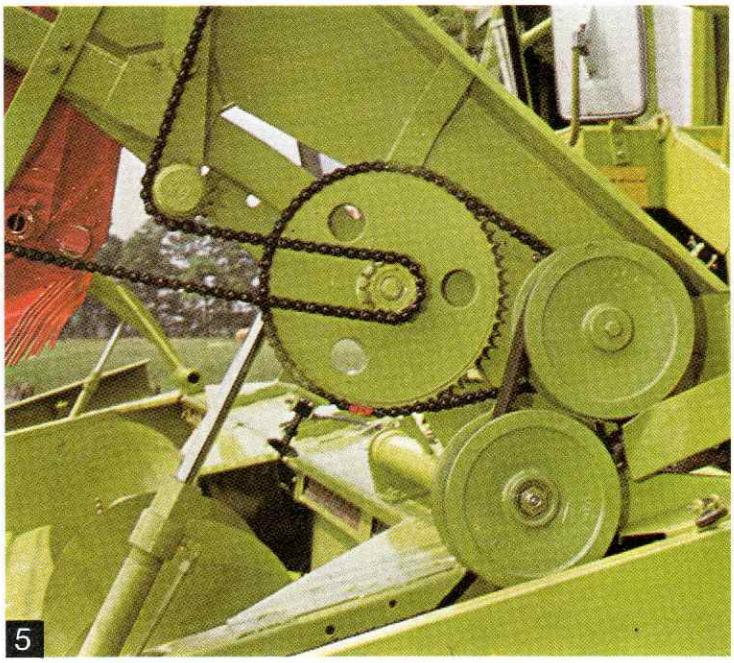
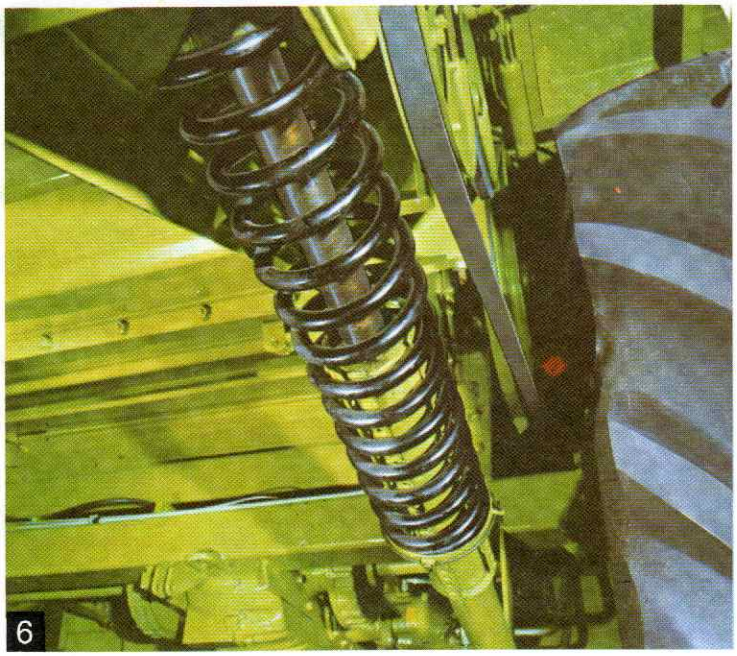
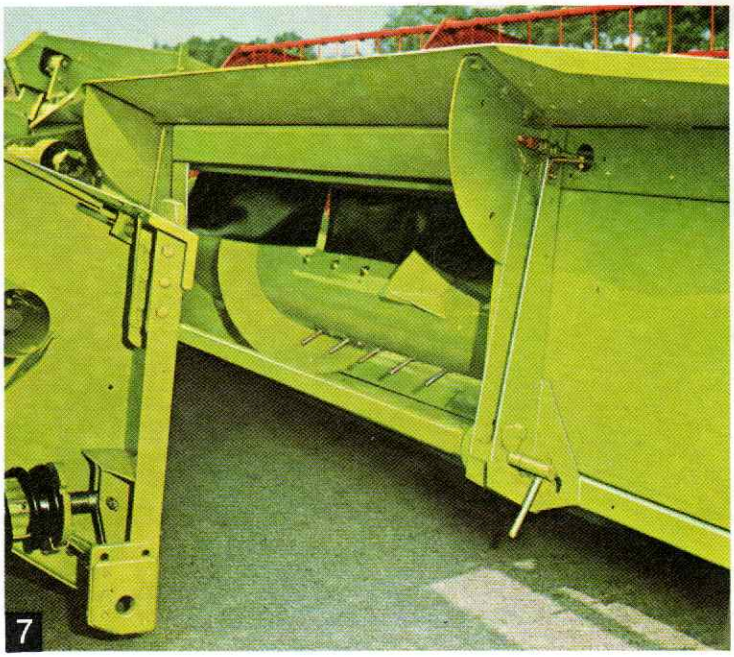
The CLAAS Cutterbar for laid crop! (1) Would you know a more efficient cutterbar? We don't because this cutterbar was especially designed to work in heavily laid crops. This is your advantage. You will manage all laid crops, as flat as they may be, or even grown through. You will cut it, without any problems, neat and clean.

Your clean harvest starts at the dividers (2). They are standard equipment. They are floating and can, therefore, easily adapt themselves to all contours of the ground. They work their way into crop like wedges. They divide it properly, even tangled and through grown laid crops.
Important: Spring suspended grain lifters (3). There is no additional charge. They lift the laid crop out of the trash and green stuff. You will lose few ears and losses are reduced. There is no need for you to cut too low.

There will be less green stuff finding its way into the machine. There will be less moisture. Crops which tend to lose grain? We have fitted a grain trough to the CLAAS Cutterbar to reduce such losses.







Wide distance (4)
Minimum dirt has access to the machine.

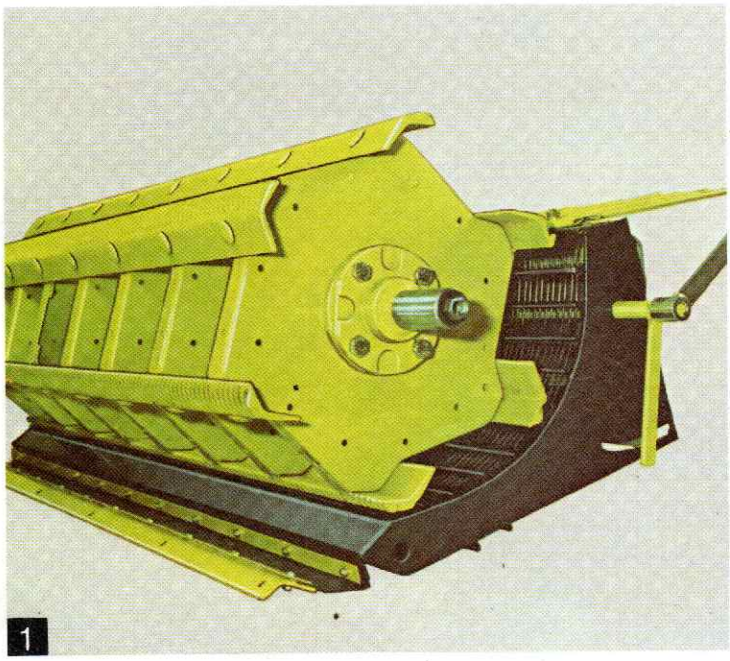
Spring tine reel (5)
The pickup reel is hydraulically adjustable in height — from the drivers seat. It can be best suited in its position to the changing harvesting conditions by horizontal movement and changing the position of the tines. The distance between the knife and the intake auger is exceptionally wide with 620 mm = 24.1/2 inch., even long laid rye crop is cut, and not jerked out. (2)

Replacement Knife
When foreign objects damage the knife there is no fear of long delays. A bracket on the cutterbar carries a replacement knife.

Splendid adjustment to all contours of the ground
The heavy coil springs (6) of the cutterbar allow it to adjust itself automatically to all the contours of the ground. This saves you constant fine adjustment. The cutterbar coupling is of high practical importance as it serves to avoid drum wrappings and blockages when starting to develop. (4)

Quick detachment of cutterbar (7)
A real advantage:
Universal Conveyor Trunking. This is used for the grain cutterbar or the maize picker. Attachment or detachment done in no time. Due to intercepting bolts and dog coupling no tools are needed. Cutterbar table and maize picker can be put on to the field and be picked up from there, because the ram permits a height adjustment on the DOMINATOR 105 from – 200 to + 1040 mm (– 8'' – + 42''), and on the DOMINATOR 85 from – 200 to + 1380 mm. (– 8'' – + 55''). This makes the operator independent of the cutterbar trailer.

Threshing mechanism. It takes whatever comes. Separation of grain in the concave? Most effective.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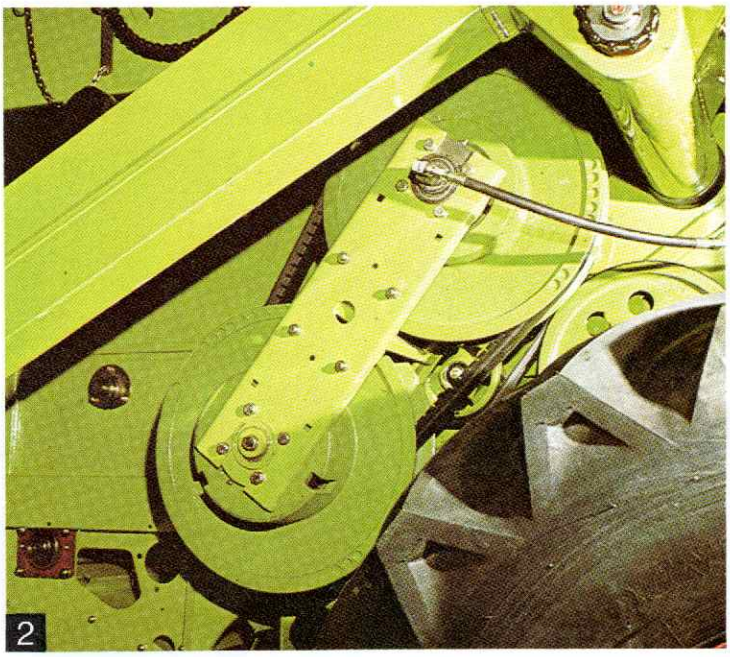
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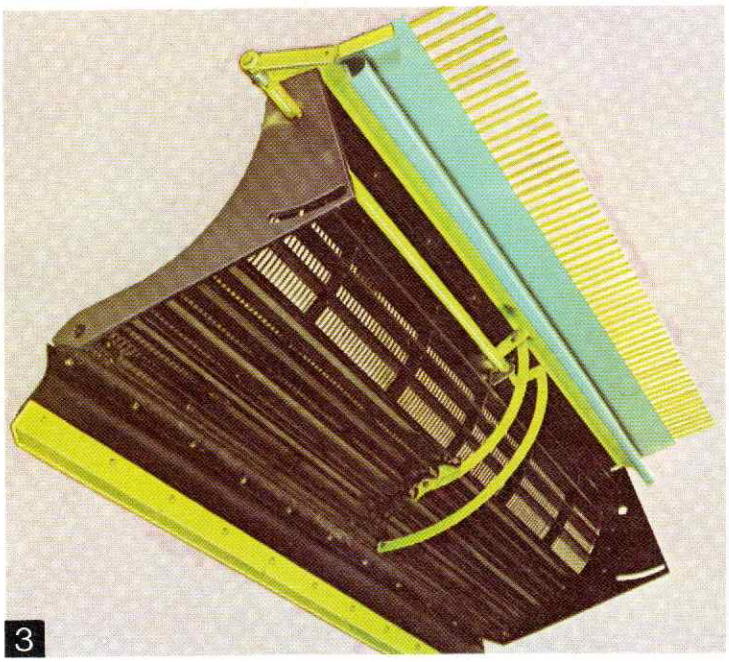
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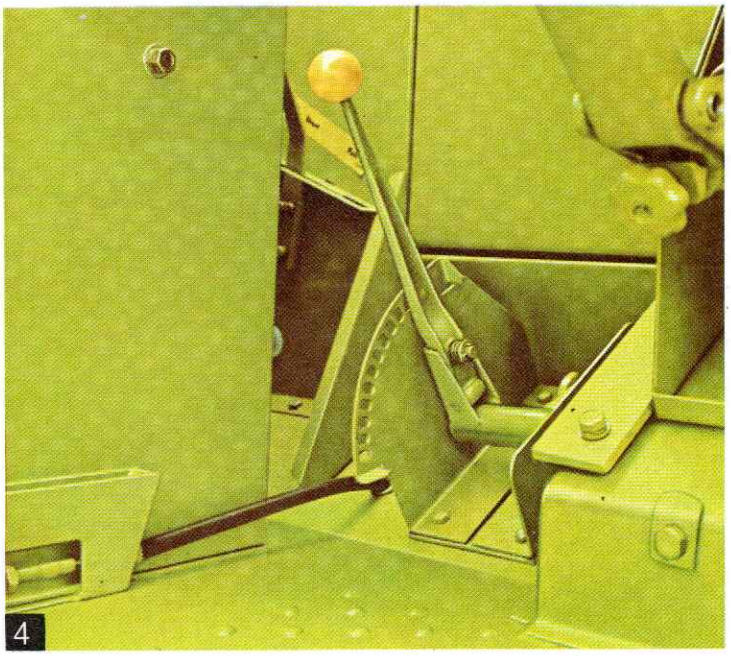
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The threshing mechanism of the CLAAS DOMINATOR 105 and DOMINATOR 85 is wide. (1.58 m resp. 1.32 m) (63'' resp. 52'').

The crop just flows through!
. . . because it is taken in a thin layer.
Therefore threshing and separating in the concave are at their best. Even in long and damp rye. The drum is extremely stable because of strong beater rasp bars and numerous cylinder discs.

The drum has a diameter of 18''
This is the ideal measurement. And why? Because there is little fear of winding the crop. R.P.M. will remain constant and the power required is less. There is no broken straw and little short straw. After having produced close to 300.000 combine harvesters we can be sure of this.

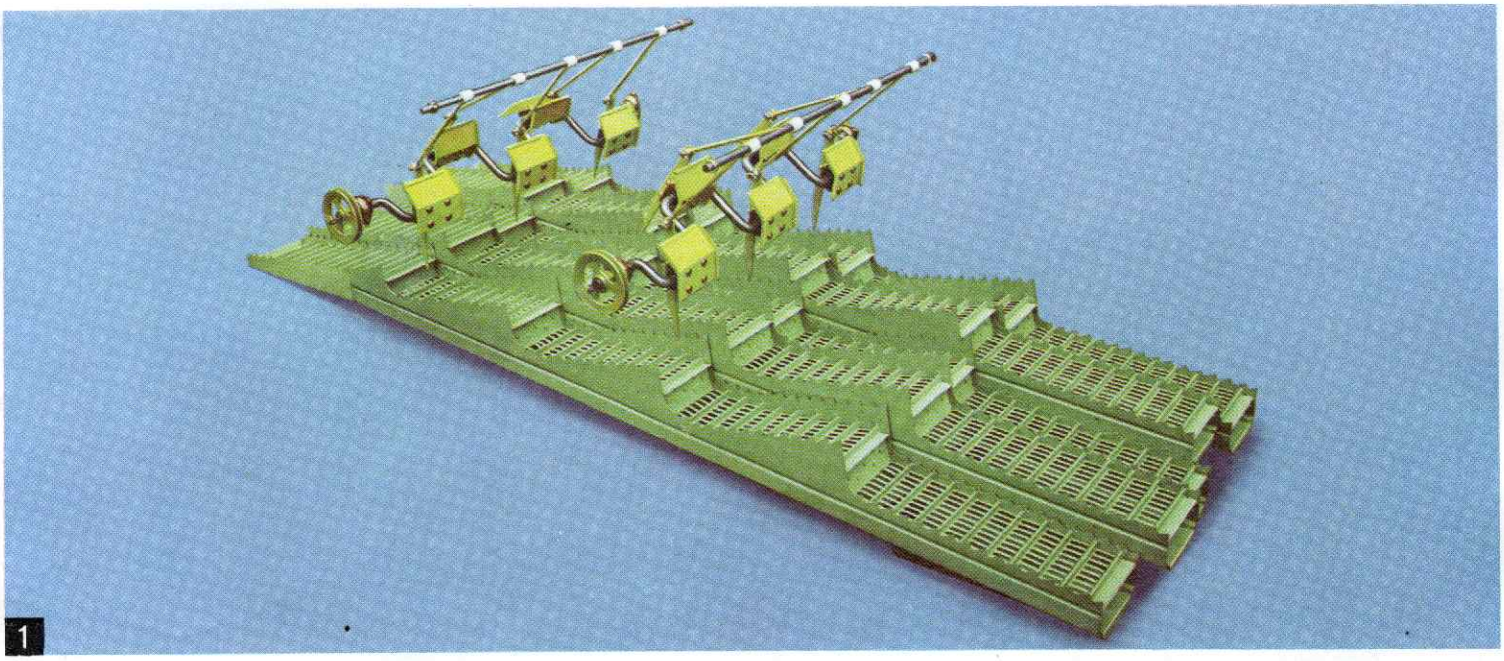
Of course you can adjust the drum speed hydraulically, even under full load, with its easy control on the instrument panel.

High speed variator drive, triple-joined V-Belt.
Threshing drum, the blower, the forward and reel drives of the DOMINATORS are equipped with infinitely variable drives. The speed of the drum can be hydraulically adjusted from the drivers seat. High speed variable drive (2) and triple joined V belt ensure maximum power transmission and high stability of speed for the threshing drum. The power band is tensioned by means of a spring-loaded tensioning roller.

Disawning? No problem
Do you have difficulty when disawning? The fitted to the drum (2) will be of assistance disawner plates. They are switched on — from outside — or switched off. An additional disawning block can be joined to the concave entrance with the DOMINATOR 85 model they will clean even crops which are normally difficult to disawn. Clearance between the drum and concave is instantly adjustable by one only lever from the driver's seat on the platform. (4)

Easy detachment
Another great advantage is the fact that with both types of combine the drum can be taken out of the front of the combine, without having to remove any drives. The advantages are plainly evident.

CLAAS Intensive Separation System: high throughput with large straw quantities.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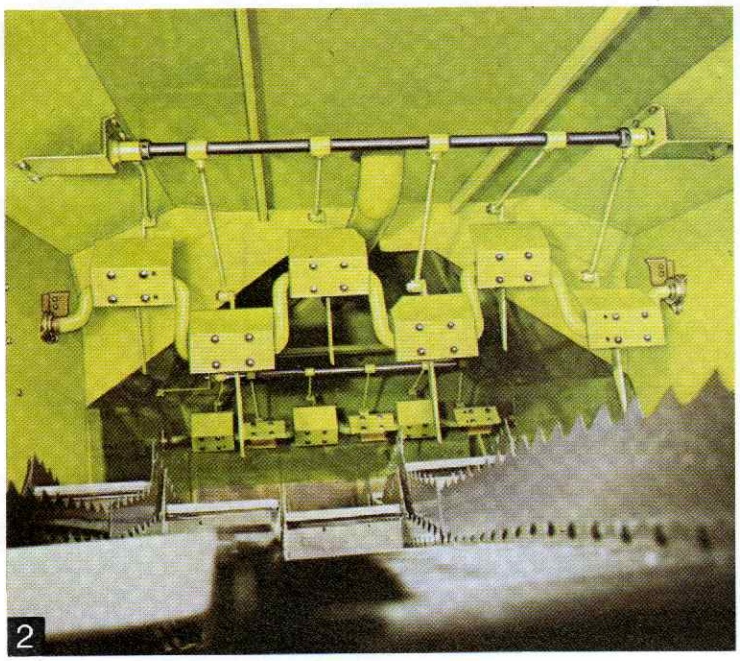
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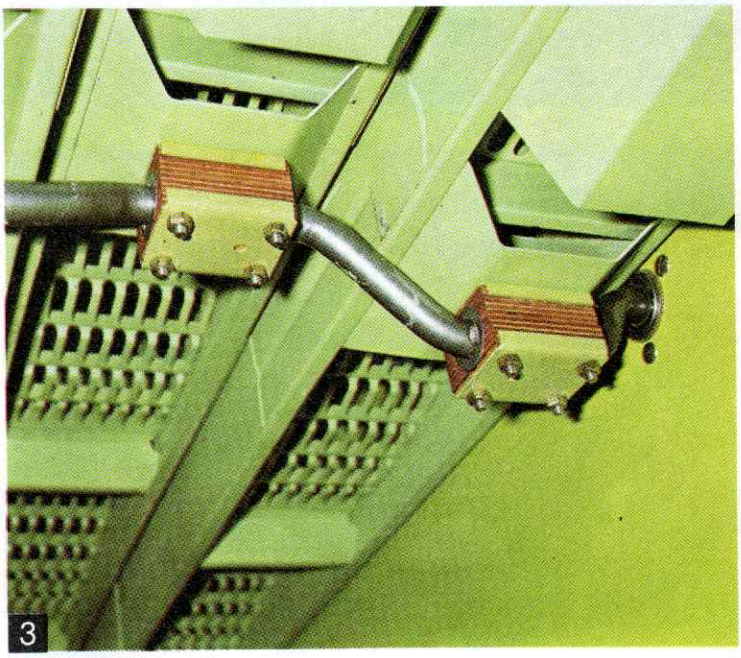
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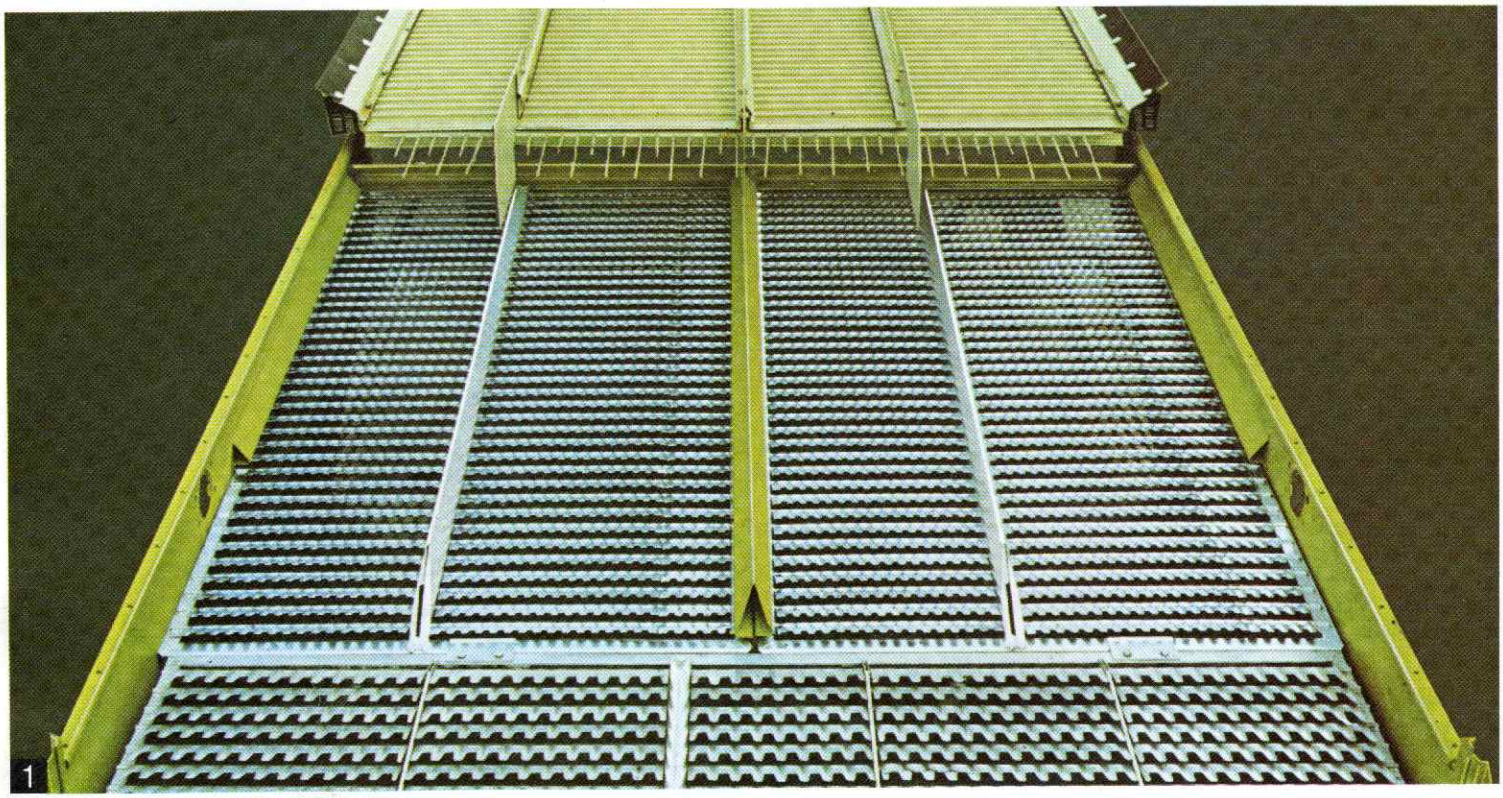
We are aware of the high capacity demanded of the straw walkers in giant combine harvester. They have to separate even the very last grains from the straw. No matter what the straw is like, no small problem. We have found a new solution: The CLAAS shaker agitators.

How do the CLAAS shaker agitators work?
The new shaker agitators consist of two elements: 1.) The shaker with 4 steps each and a completely utilizable shaker area and 2.) two additional crank shafts with rake tines. The first tines agitate within the foremost area of the shaker: at some distance behind them, in the region of the third step, we have the next row of tines (1).

The tines (2) driven by crankshafts and controlled by regulators will fluff up the straw on the shakers from above.
All grains will drop through the loosely spread layer, resulting in a complete separation of grain from straw. Stroke and speed of shaker and rake tines are harmonized at their best. It is evident from the uniform swaths in the field how thoroughly the CLAAS shaker agitators will fluff up the straw.
The grain coming from the straw walkers reaches the sieve box evenly across its entire width, whether the combine works on even ground or on a hillside. No grain is lost. This improves the efficiency of the sieve box because it is always fed across its whole width.

Crank shafts with ply-wood bearings
In that area where the intensive shaker system is located, wooden bearings which are made from special plywood that does not distort, are fitted to the crank shafts (3). These guarantee a very high operational safety and long service life. They can be mounted and dismounted easily and can be adjusted without any effort. Spacers facilitate exact adjustment.

Cleaning
Without problem.
Result: A good sample.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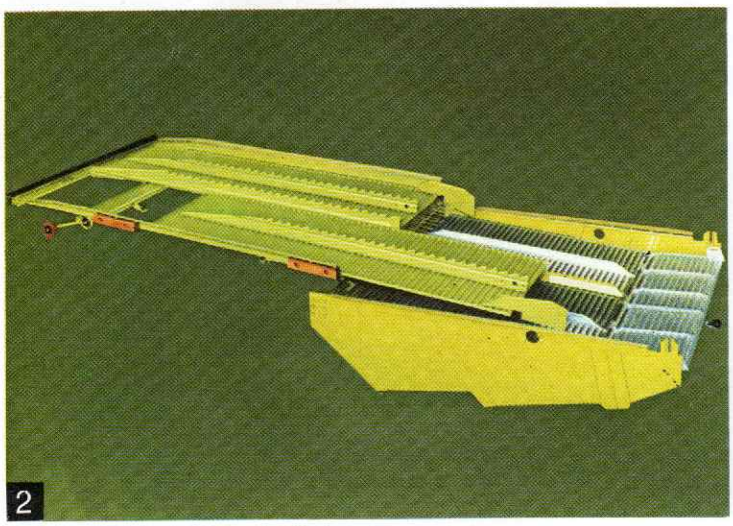
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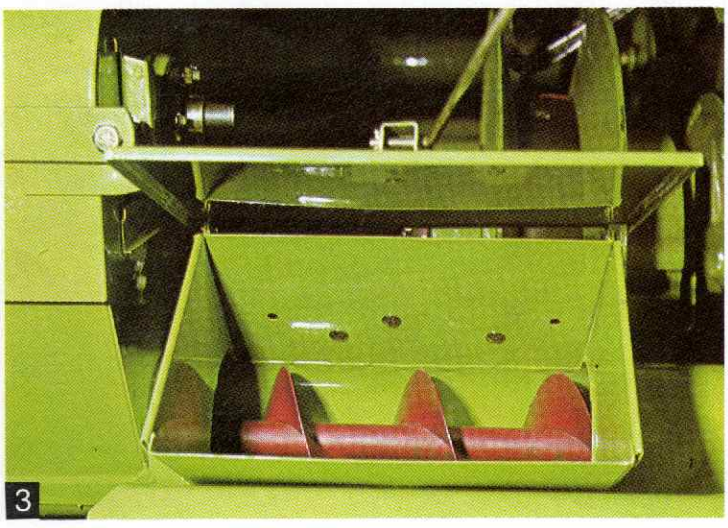
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You will be especially interested in the cleaning process. How does it work? How efficient is it? We are convinced the cleaning results of these two combines will meet more than your expectations. The sievebox (1) on DOMINATOR 105 and on DOMINATOR 85 is especially designed to meet the output of this machine.

Long Preparation Pan

Across the whole length of it the crop will be sorted thoroughly. As a result most of the grain drops on the beginning of the frogmouth sieve without any chaff when it has reached the end of the long preparation pan. The preparation pan is divided in two parts. Each part can be pulled out separately (2). This gives easy access to the threshing concave from below, thus making maintenance and control much easier.

High Fall

Between the preparations floor and the frogmouth sieve there is a high fall step, effecting good fluffing of the descending crop to be screened. In this way the wind has a large area of attack. Most of the grain falls direct to the front of the upper frogmouth sieve, without admixture. Short straw and chaff are seized by the wind and carried to the rear.

Adjustable frogmouth sieves

These frogmouth sieves can be set to any grain size without great effort. Fan wind blows through them across their entire length. Fillets ensure an even distribution over the sieve even in hilly country. The upper sieve is divided into two parts and is made up from long-lip frogmouth sieves, short-lip frogmouth sieves serve as lower sieves. Upon request we can deliver further sieves for any special crop.

High Performance fan blast

The fan blast is the most important factor in cleaning. The high performance fan creates a sufficient blast. The blast can be controlled variably by means of a crank through changing blower speed. Wind plates under the sieves ensure adequate distribution. The sieve box extension will also grasp ears that have escaped threshing. The returns will take them back to the threshing system. In this way nothing is lost. From the driver's seat returned mixture (3) can be controlled at any time by means of an inspection flap.

Enormous Grain Tank - less unloading, less wasted time.

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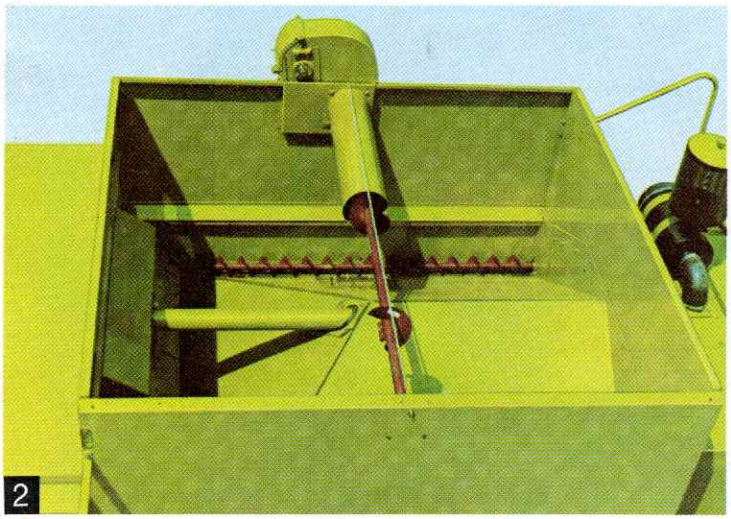
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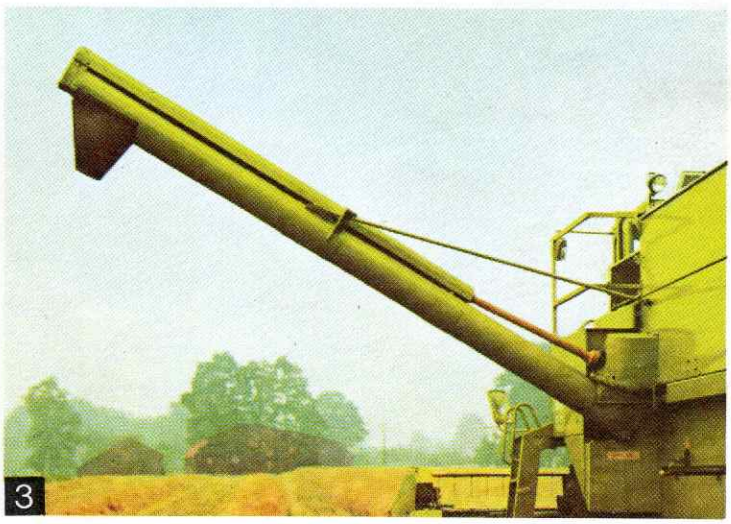
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Less frequent unloading (1) means more time saved. This is especially important when driving a giant combine harvester. We, therefore designed the DOMINATOR 105 and DOMINATOR 85 with a very large sized grain tank.

Enormous capacity
The grain tank capacity (2) with the DOMINATOR 85 is 4000 litres (93 bushels) and with the DOMINATOR 105 is 5500 litres (151 bushels). Now you can drive for quite some time — for example with the DOMINATOR 105 carrying a 15 ft. cutterbar and with a yield of 5 tons/ha a distance of 1800 meters — before you have to unload. A sturdy cover will protect the contents of the grain tank. Unloading with dry grain only takes 90 seconds at the utmost. This also saves time.

The unloading tube of the graintank
The unloading tube of the graintank (3) is sealed to prevent any form of grain loss. It can be brought into transport or working position without any effort. With the DOMINATOR 105 and DOMINATOR 85 the discharge tube of the grain tank can be swung round hydraulically from the driver's platform. A very special comfort for combine harvesters of a very special class.

The DOMINATOR 85: Combine Harvester with Comfort for long harvesting periods.

Driving comfort has top priority with the DOMINATOR 85. This is proved by its spacious operating platform, its hydraulically suspended and individually adjustable driver's seat and its variably adjustable steering column. These are prerequisites for quiet and untiring operation. From the driver's seat you command a complete view of the cutterbar.

You can control the whole operation without effort or tension. You can concentrate yourself on the instrument panel which is well situated. All controls are within easy reach and you can operate them without difficulty. With hydraulic steering you can easily manage and control this harvesting giant.

Whether serial or optional equipment, everything is expertly designed with the DOMINATOR 85.


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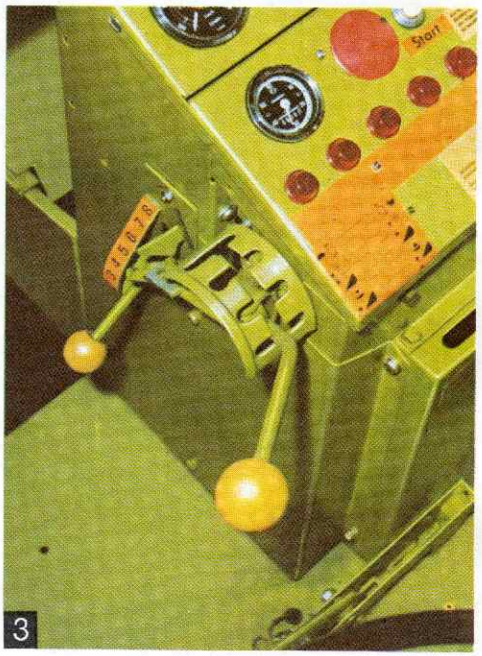

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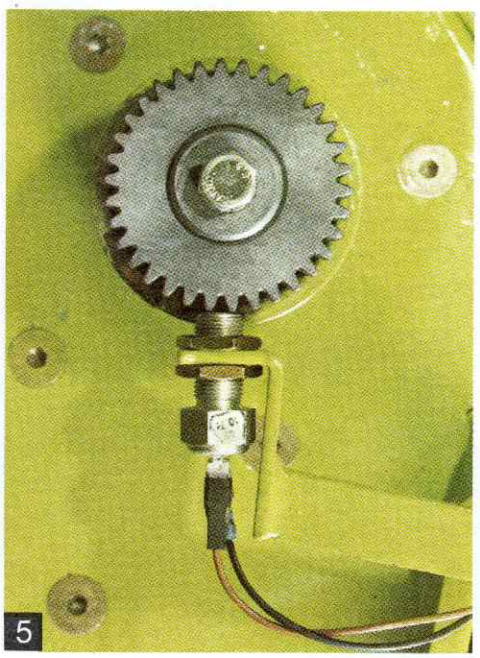
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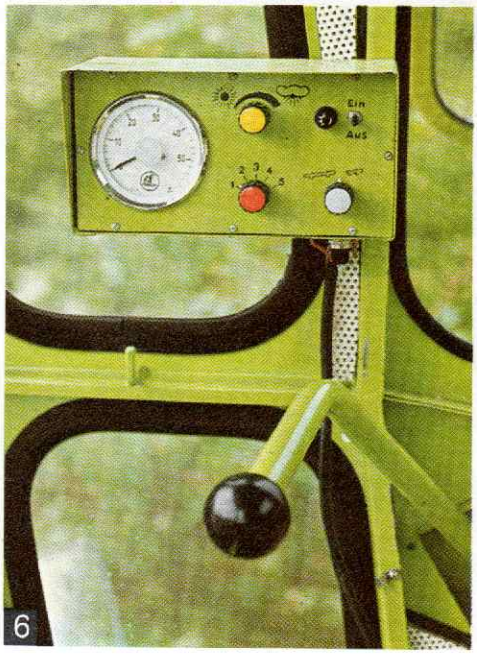

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The adjustable steering column (1)
together with the likewise adjustable driver's seat ensures precise positioning of the steering wheel and will, thus, adapt itself to the operator's bearing.

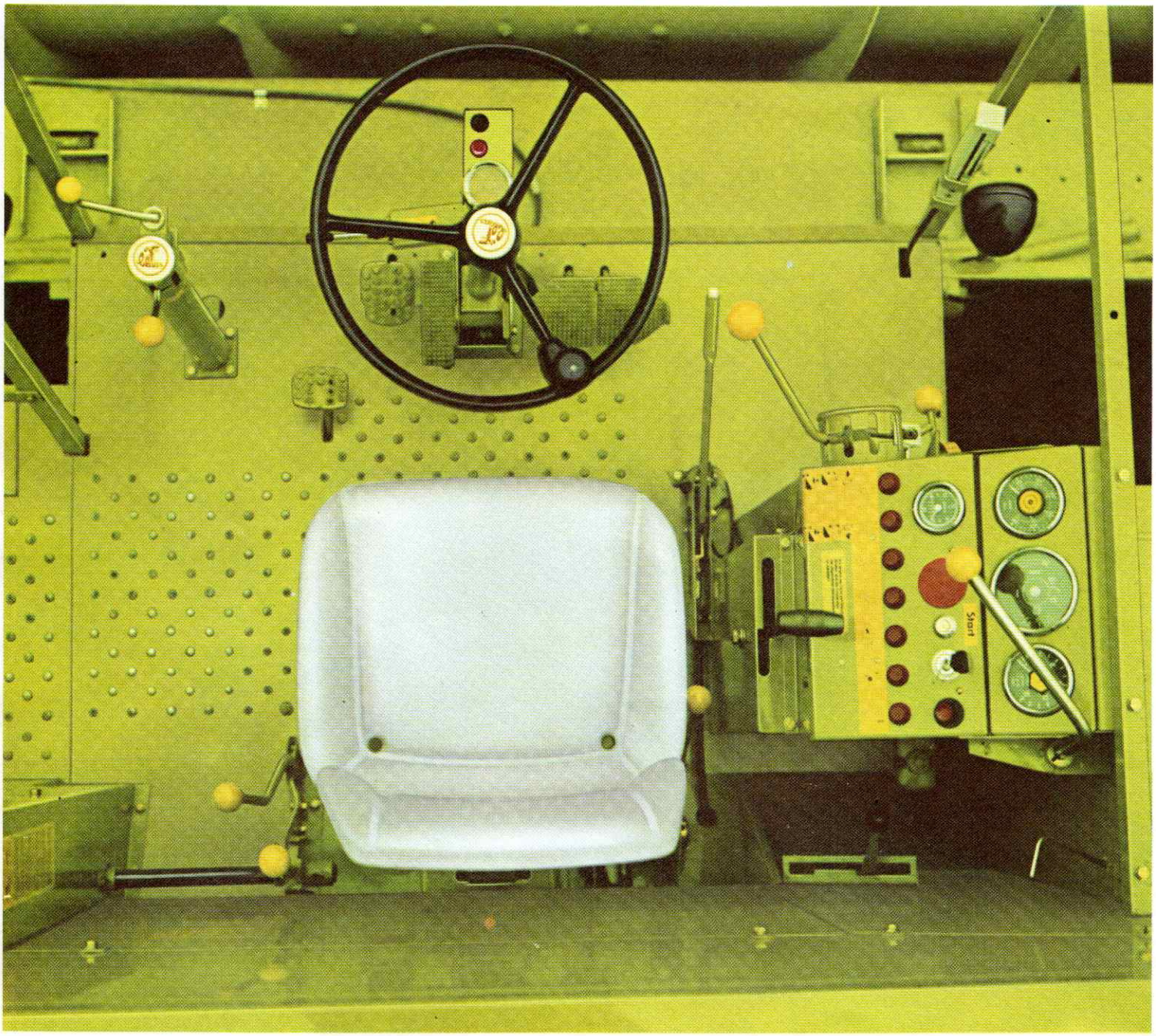
Moving the hydraulic grain tank unloading tube (2)
and unloading of the grain tank itself is very simple indeed. Each operation will only require one lever.

With the progressive four way control unit (3)
cutterbar and reel are easily raised or lowered and the drive speed and drum speed variably adjusted. One only lever has to be operated.

As additional equipment for the DOMINATOR 85 we recommend our **functioning monitor (4).** It supervises the speed at which the most important shafts turn. In comfort, from the operator's seat, you are, therefore, able to keep a constant check on the correct rpm speed of intake conveyor trunking, straw-walkers, grain elevator, returns elevator and straw chopper. A gear, fitted into the shaft you are checking, travels close to a sensor (5). The impulses which are produced are registered electronically. In case of a drop in rpm speed of that shaft of 10 % that particular monitor lamp will light up. To draw the driver's attention to this fact, a central warning lamp on the steering column will light up, too. Sources of trouble can, therefore, be spotted at a very early stage and be dealt with, i. e. tightening of v-belt, decrease driving speed or adjust sievebox before blockages occur which are rather time consuming.

A further very important development is that of the **combine performance monitor** (6) for straw-walker and sievebox. After the basic adjustment you can – from the driver's seat – adapt your driving speed for highest possible performance. You are continuously fed information on straw-walker and sievebox losses, even in changing field conditions (matted crop, increased humidity).

CLAAS-DOMINATOR 105
Top for driving and operating comfort.



Do you know a giant self-propelled combine with more driving and operating comfort than the DOMINATOR 105? One that is easier to operate and more versatile? We have had a lot of ideas to make your work with the DOMINATOR 105 as agreeable as possible.

First and foremost a spaceous operator's platform. Commanding an excellent view. Cutterbar, grain tank and engine can be supervised perfectly from the driver's seat. All controls are within easy reach. The engine is located in a dust free area and is easily accessible for service and maintenance. As standard equipment the DOMINATOR 105 has a functioning monitor controlling the speed of grain conveyor, straw walkers, grain elevator, returns elevator and straw chopper as well as working of hand brake and air filter, furthermore the oil pressure of the engine.

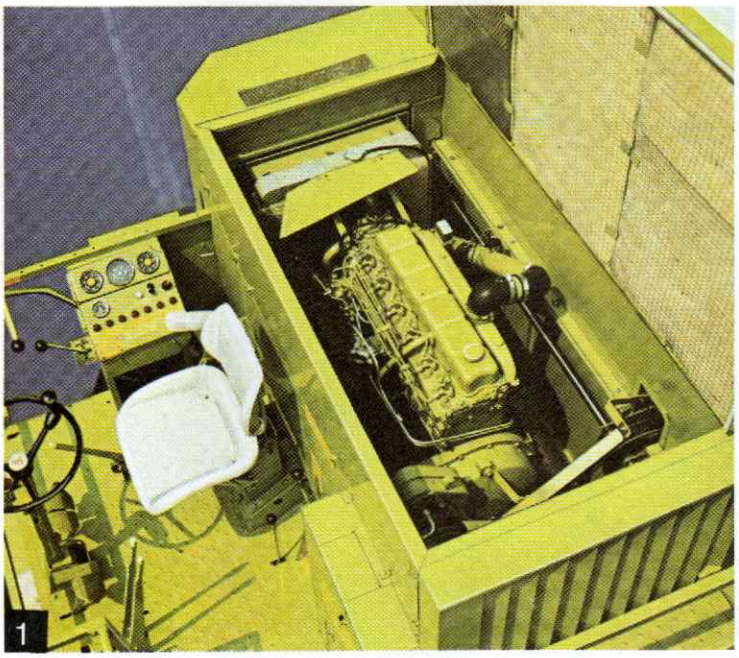
Fully hydraulic road drive

The drive allows a variable change of direction and speed on road and in field. No shifting of clutches or gears. Steering is naturally hydrostatic. Can be operated easily with one only lever. Cutterbar height- and ground pressure indicators will show driver precisely the desired cutting heigt. The hydraulic system of the DOMINATOR 105 allows an effortless raising and lowering of reel and cutterbar and will regulate veriable adjustment of the threshing drum speed.

Slip clutches and other safety devices protect machine against shock loads and other damages. Only shortest service times — daily greasing only takes five minutes — are necessary.

Many contractors and farmers over and over again decide in favour of the DOMINATOR 105. Why? Because they are very critical and because they want to operate machines for their harvesting which are designed to give maximum output.
The DOMINATOR 105 meets all expectations to the fullest.

Engine, Drives, Belts, Tyres- as good as the whole DOMINATOR.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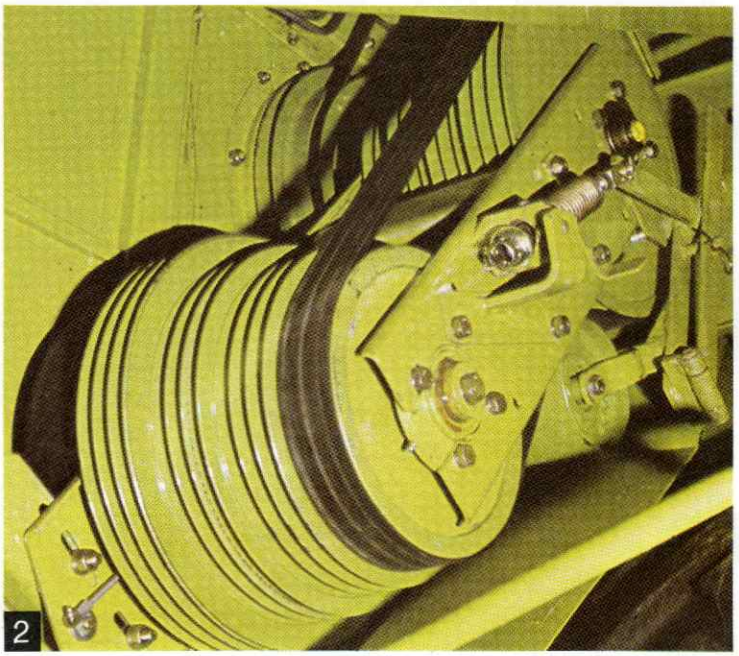
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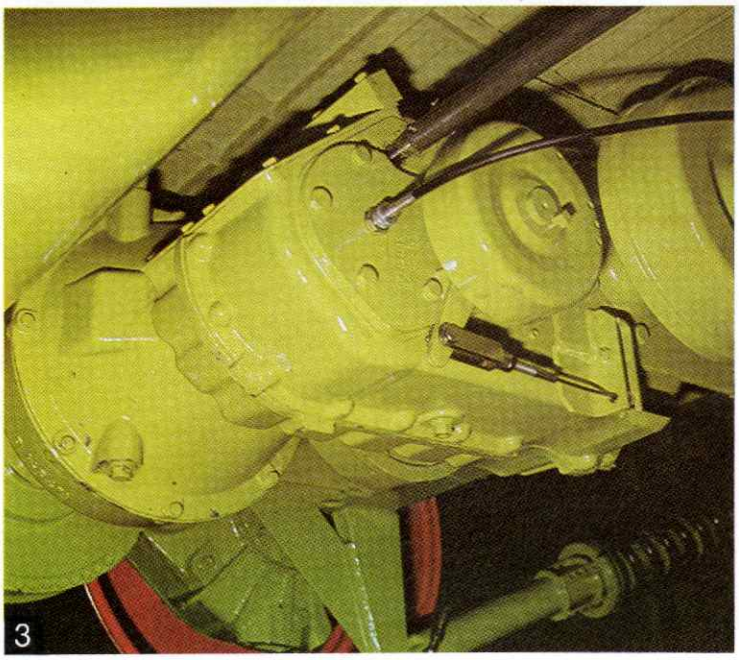
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4

Everything on the DOMINATOR is of good quality. This applies to any detail.

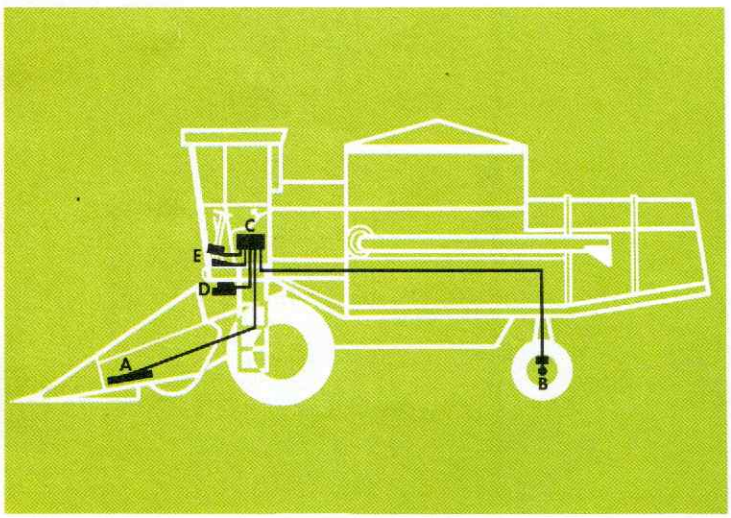
Powerful engines (1)
DOMINATOR 105 and DOMINATOR 85 are equipped with powerful engines. Under normal harvesting conditions only a fraction of their power is required. The rest remains spare. For difficult situations. As for instance with laid crops, on slopes, on heavy ground or for additional equipment.

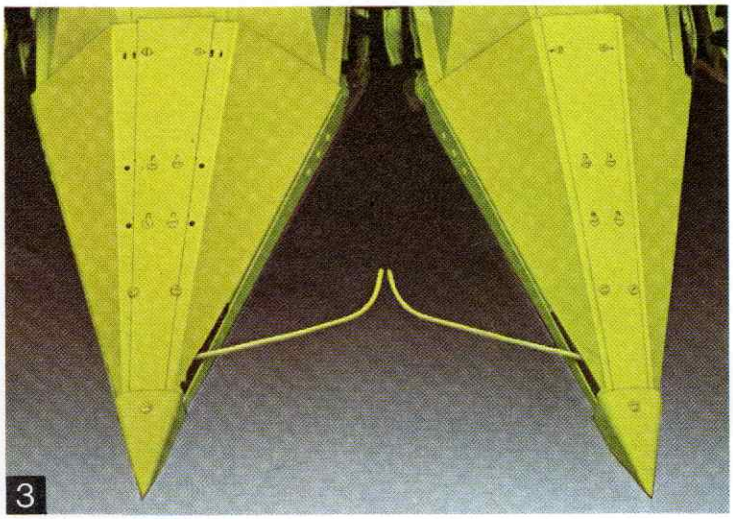
CLAAS-graded drive (2)
When harvesting large fields in uniform harvesting conditions it is not necessary to change the drum speed continuously. For such harvesting conditions we recommend the four-step drive with four drum speeds. Its advantages — very dependable transmission of power, simple engineering, no wear, no need for constant checking, yet a simple method for changing the drum speed.

Strong gear-box
DOMINATOR 105 and DOMINATOR 85 are equipped with sturdy gear-boxes (3). By reduction in the portal gears the drive will be increased tremendously. Hydraulic single-wheel brakes give maximum safety when operating on hills.

The big tyres (4)
can cope with ground conditions. The DOMINATOR will move safely on any ground even on hills, and can be steered easily. This is due to the high ground clearance and excellent distribution of weight with a low centre of gravity.

CLAAS-DOMINATOR 105
CLAAS-DOMINATOR 85
can be used for more than just the grain harvest.

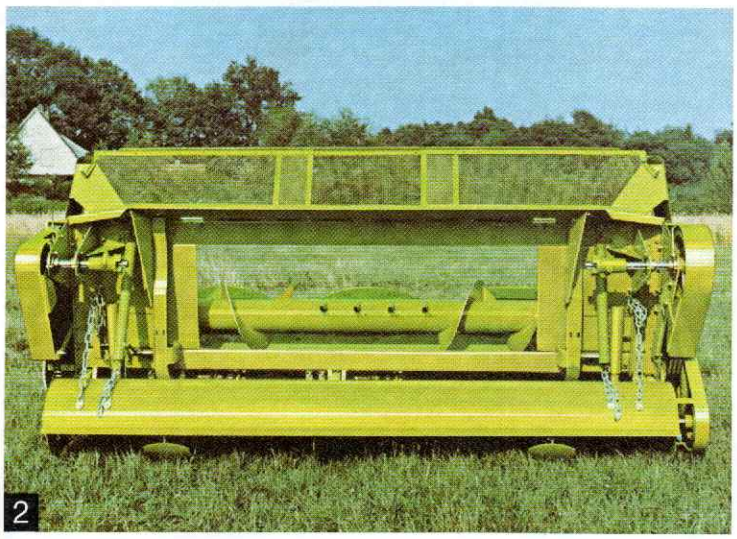




Whereas with the harvesting of green crops steering mistakes only cause a drop in performance these mistakes lead to losses in the maize harvest. To avoid these CLAAS has taken a further step towards the perfection of harvesting techniques by the introduction of the steering automat.
The drawing (1) will show design and operation of the steering automat.
Two-row sensors (A) — located in the maize picker — continuously orientate themselves on a maize row and relay the impulses to the electronic regulator (C). There the present position of the rear wheels made known by the steering angle indicator (B) is taken into consideration and then the steering angle is being corrected by the steering block (D).
You only have to enter the maize rows with the DOMINATOR, operate the foot switch (E) and steering will be automatic. You only have to watch drive speed and maize intake. As soon as the steering wheel will be moved, as for instance at the end of the field when turning the automatic steering is disconnected immediately. With the harvester you then enter the next maize rows and engage steering automat again (2). Steering impulses are precise and to the point. They are produced in a better way than the most experienced machine operator will be able to, and this even after eight hours of demanding operation in weedy or laid maize or during the night. The operator can concentrate much better on all other operations and increase machine performance in this way. Losses will be minimized.
The row sensors (3) are located in the hood of the maize picker. Suspension of the feelers is arranged in such a way that even with a very high incidence of weed the sensors will maintain their position, neither will they bend nor knock over weak maize plants. When reversing in the maize crop the row sensors will swing forward.

Accessories for the DOMINATOR 105 and the DOMINATOR 85.

1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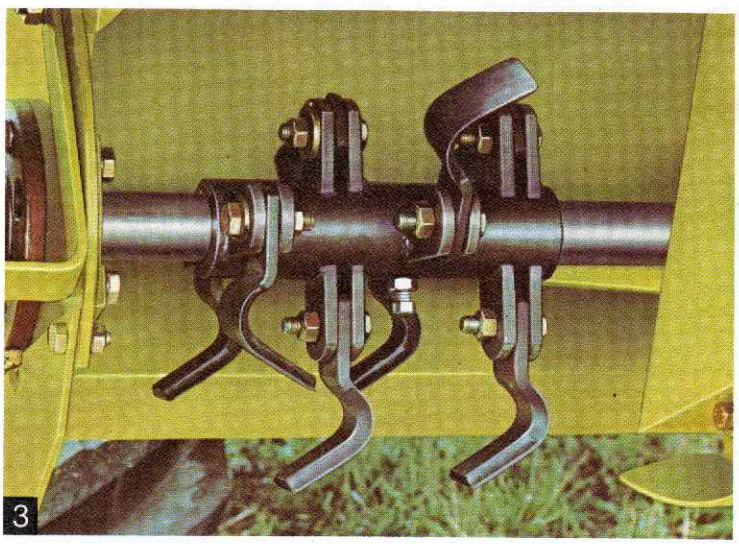
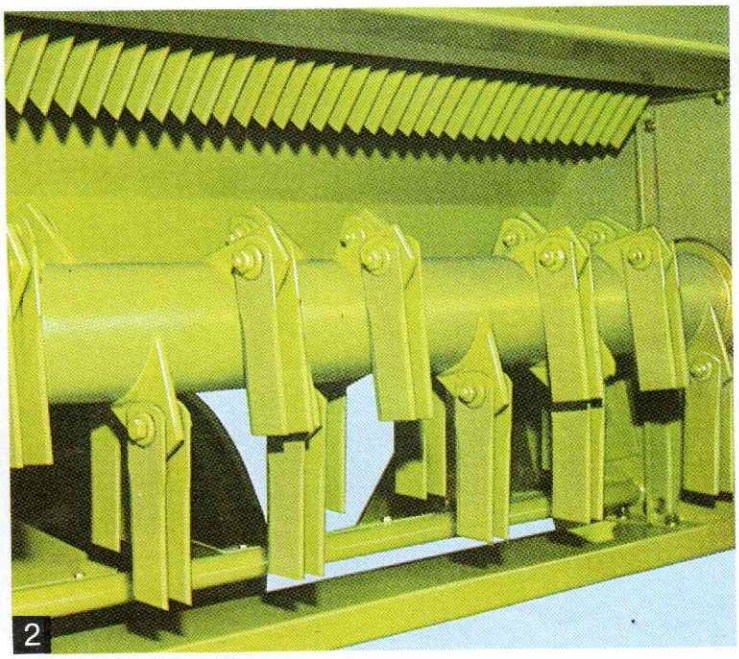

3

CLAAS maize picker
For an economical grain maize harvest CLAAS will supply a four- and a five-row picker for the DOMINATOR 85 and four-, five-, and six-row maize picker for the DOMINATOR 105. The DLG (German Agricultural Society) has awarded the quality-sign „DLG-anerkannt" (recognized by DLG) to the 6-row and 4-row picker. Special mention in the CLAAS programme deserve: a 4-row maize picker with a total width (1) of 3 meters. No time is required for changing from working into transport position. This speeds up moving from one field to the other and consequently greatly increases performance of the DOMINATOR in grain maize harvesting.

Chopper for the picker
In order to better chop the maize straw directly after picking we also supply a chopper with flail-type knives for the maize picker (2 + 3). This chopper works directly behind the picker. The chopper is spring suspended and will adjust to ground independently of the maize picker by means of adjustable skids. The chopper is not driven by the maize picker but directly by the cutterbar drive. If it is not desired to chop the maize straw, the drive will be disengaged and the chopper raised by means of two chains.

Accessories for the DOMINATOR 105 and the DOMINATOR 85.


1


2

3


4

CLAAS - Mounted Chopper (1)
More and more farmers want to burn their straw thoroughly, and some to plough it in.

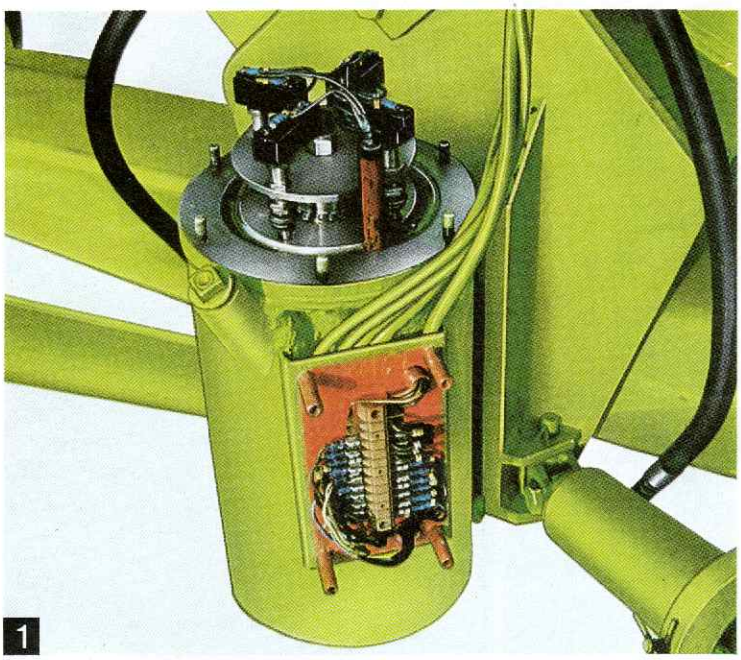
A prepreQuisite: the straw must be chopped and evenly distributed on the field. The CLAAS Mounted Copper has been designed for this purpose. It combines grain harvesting and straw chopping into one operation. The combine harvester will leave the field ready for ploughing. The CLAAS Straw Chopper (2) is a swinging knife type. The knives which are suspended, oscillate and are honed on both sides. The drumshaft and knives have been dynamically balanced. Even if the straw is not to be chopped the unit remains on the machine, it is just turned up into work position required.

CLAAS - Mounted Chopper
CLAAS Mounted Choppers are available for all CLAAS Combine Harvesters. Chopper and harvester are designed to match one another.

De Luxe Cab (3)
The Comfort Cab satisfies demands for more humanitarian working conditions. Large areas, covered with security glass, allow free vision towards all the essential elements. The additional insulation reduces the noise level significantly. Dust free, fresh air is filtered through a two-stage filter unit into the cab. Additionally available is a water evaporation cooling system. This lowers the temperature inside the cab according to atmospheric conditions up to 5°C. As Autumns are frequently cool it is recommended that a heater be fitted in the cab during the maize harvesting period.

Cutterbar Trailer (4)
Cutterbar trailers are available in two models. One is exclusively designed for transporting the cutterbar and the second version is suitable for both transporting of the grain cutterbar and also the maize picker. The trailers can be towed by the combine harvester when travelling on roads.

CLAAS-DOMINATOR 85 H
Hill-side combine



1

2

During harvesting on steep slopes the performance of the combine harvester can decline owing to irregular flow of the crop through the machine. With the CLAAS Dominator 85 H – **the combine harvester with the automatic hillside adjustment** – the slope becomes a plain. The machine adjusts to slopes during contour driving by up to 40 %, straight uphill drives to 20 % and straight downhill drives to 10 %, completely automatically. Thus not only the performance of course, but also the stability increases considerably on slopes.

On the DOMINATOR 85 H, the cutterbar is suspended on a centrally positioned pivot. Cables bring the cutterbar into the appropriate sloping position automatically. An adaptor between cutterbar and chain conveyor ensures an even flow of material to the threshing mechansim whatever the conditions. The slope adjuster is controlled through a pendulum system which has been built into a liquid filled container (1). Should the machine be in a sloping position the main body of the harvester will, via micro-switch, electrical valve and hydraulic cylinder be automatically levelled and held in this position. In order to obtain immediate levelling in all directions, the hydraulic cylinders for the side adjustment are located on the front axle. The cylinders for the levelling adjustment (up and down hill) are positioned on a movable suspended frame attached to the back (2). Terminal switches limit the maximum lifting height of all hydraulic cylinders. Stopvalves and the fact that only dual operating hydraulic cylinders have been installed, prevents the machine from deviating from the horizontal position even if the hydraulic system should develop a leak.

All revolving parts have been protected and the machine therefore complies with the safety regulations.

Technical Data.

CLAAS-DOMINATOR 105

Cutterbar: Standard cutterbar width 4.50 m (15 ft), working width 4.80 (15'9"). Automatic adaptation to all contours of the ground. Height hydraulically adjustable between −20 to + 104 cm (−8'' to + 42''). Height of cutterbar adjustable from driver's seat. Grain lifters, universal conveyor trunking, hydraulic cutterbar coupling standard.

Dividers: Three sectional, adjustable, (independent adaptation to all contours of the ground), two dividers standard.

Reel: Spring tine reel with adjustable tines, height hydraulically adjustable, variable speed adjustable from driver's seat. Manual adjustment forward and backward. Device for quick tension of drive chain.

Drum: 1.58 m wide (62 in), 450 mm diameter (18 in), 6 rasp bars, drum speed, hydraulically adjustable from driver's seat between 650-1450 rpm. Rpm registered on instrument panel. Hydraulic coupling of threshing mechanism.

Concave: 12 Rasp bars, Instantaneously adjustable from driver's seat.

Disawning plates for concave that can be set additionally.

Stone trough: emptied from beneath.

Straw walkers: 6 sectional straw walkers with intensive separation system mounted on 2 crank shafts, maintenance-free, straw walker area 7.00 square meters (75½ sq ft), in addition two rows of tines, separation area 7.95 sqm, return floor working independently from straw walker.

Sievebox: divided preparation pan, like the sieves, can be removed from the rear. 5 high hill side plates, high performance sievebox with two stage blast from fan. Total sieve area 4.20 (45¼ sq ft). Exactly controlled blast in lateral direction, even pressure of blast for entire sieve area. Grain trough and return auger trough can be lifted out for cleaning purposes. Fan speed adjustable.

Returns control: Inspection hatch beside operator's platform.

Graintank: Capacity 5 500 litres (151 bushels), unloading tube hydraulically adjustable into working or transport position.

Safety clutches: Spring loaded double disc slip clutches to potect reel, main table auger, upper grain conveyour shaft and returns auger against damage from shock loads. Various other safety devices.

Functioning control unit: control lamps within the instrument panel give sight of the following operations: r.p.m. of grain conveyor, of straw walker, of grain elevator, of returns elevator, straw chopper as well as the work of hand brake, air filter and engine oil pressure.

Engine: Diesel engine, ∿ 125 kw (170 HP), water cooled.

Drive: hydrostatic variably adjustable from 0-20 km/hour (0-12 M.P.H.) Indication in km/h.

Hydraulic devices: single lever 4 way hydraulic valve to lift and lower the cutterbar, lift and lower the reel, variation of drum speed, cutterbar height control can be overridden by use of rocker pedal, leaving right hand free for adjustment of forward speed. Hydraulic engagement of threshing mechanism and cutterbar drive. Hydraulic movement of unloading tube, Hydrostatic steering.

Brakes: mechanical hand breakes, hydraulic foot brake (can also be used as steering brake).

Tyres: front 18.4-34 12 PR 1
rear 12.5/80-18 6 PR

Track: front 2.47 m (8')
rear 2,05 m (6'9")

Wheelbase: 336 m (11')

Lighting Equipment: Headlights, side lights, trafficators, hazard warning lights, mirrors, reflectors and rear lights standard equipment.

Dimensions:	**in working position**
Length (with long dividers)	10.11 m (33 ft)
Width (with 15 ft cutterbar, depending on position of outer deflectors)	approx. 6.20 m (20⅓ft)
Height with and without cab	3.74 m (12⅓ ft)
	in transport position
Length (with cutterbar table detached	7.73 m (25⅓ ft)
Width (with cutterbar table detached)	3.00 m (10 ft)
Height	3.74 m (12⅓ ft)

Weight standard equipment with 4.50 = 15' cutterbar) approx. 8810 kg (19423 lbs.)

Optional Equipment available:

Cutterbar 3.90 m (13 ft), 5.10 m (17 ft), 5.70 m (19 ft) Cutterbar trolleys for cutterbars of 15 ft and above, 4-, 5-, or 6-row maize pickers, chopper for the 4-, and 5-row maize picker, CLAAS steering automat for maize pickers, standard concave, various sieves, stepped pulley drive for threshing drum, chain drive to reduce drum speed to 290 revs. p.m., mounted straw chopper, electronic grain loss control system comprising indicator and controlling sensors on straw walkers and sieve pan. Comfort cab, heating, evaporation cooling unit and stat unit.

Tyre equipment 23.1-26 12 PR R 1
– Transport width 3,54 m (11'10'')

– Transport width 3,48 m (11'7'')
front 28.1-26 10 PR R 2,
rear 14.5/75-20 8 PR I 3

additional hydrostatic drive of steering axle with tyre equipment 14.5/75-20 8 PR 13.

CLAAS-DOMINATOR 85

Cutterbar: Standard cutterbar width 3,90 m (13 ft), working width 4.20 m (14 ft). Automatic adaptation to all contours of the ground, height hydraulically adjustable between – 20 to + 138 cm (– 8'' to + 55''), grain lifters, quick attach device for cutterbar standard equipment.

Dividers: Three sectional, adjustable (semi-floating), 2 dividers standard equipment.

Reel: Pickup reel with adjustable spring tines, hydraulically height adjustable, RPM variably adjustable from driver's seats, Manual adjustment forward and backward, device for quick tensioning of drive chain.

Drum: 1.32 m wide (52''), 450 mm diameter (18''), 6 rasp bars, drum rpm hydraulically adjustable between 650-1450 rpm. RPM speed registered on instrument panel.

Concave: 10 rasp bars (13 when disawner is engaged), Instantly adjustable by one lever from driver's seat.

Disawning: two stage disawning by means of two levers, first stage increases the concave by three bars, second stage disawning plates for concave.

Stone trough: empties beneath the combine.

Straw walkers: five sectional straw walkers with intensive separation system mounted on two crank shafts, maintenance-free, straw walker area 5.15 spm (55½ sp ft), in addition two rows of tines, total separation area 5.95 sqm (64 sp ft). Return floor working independently from straw walker.

Sievebox: Divided preparation pan and, like the sieves, can be removed from the rear. 3 high hill side plates, high performance sievebox with 2 stage blast from fan. Total sieve area 3.50 sqm. Exactly controlled blast lateral direction even pressure of blast for entire sieve area. Grain trough and return auger trough can be lifted off for cleaning purposes. Fan speed adjustable.

Returns control: Inspection hatch beside operator's platform.

Grain tank: Tank capacity 4000 litres (110 bushels), emptied in 90 seconds. Discharge tube operated hydraulically.

Safety clutches: Spring loaded double disc slip clutches to protect reel, main table auger, upper grain conveyor shaft and returns auger against damage from shock loads. Various other safety devices.

Engine: 6 cylinder Diesel engine ~ 88 kw (120 HP,) water cooled.

Drive: gearbox with 3 forward speeds, hydraulically adjustable speed from 1.5 to 19.1 km/hour, (0.9 to 12 MPH), reserve 3.0-9.0 km/hour, (2-5 MPH).

Hydraulic devices: Single lever 4 way hydraulic value to lift and lower the cutterbar, to lift and lower the reel, to adjust drum and drive speed, hydrostatic steering.

Brakes: Mechanical hand brake, hydraulic foot brake (can also be used as steering brake).

Tyres:	front 18.4-30 10 PR 1
	rear 12.5/80 6 PR I 5
Track:	front 2.34 m (7'8'')
	rear 2.05 m (6'9'')
Wheelbase:	3.40 m (11 ft)

Lighting Equipment: Headlights, sidelights, trafficators, warning lights, mirrors, reflectors and rear lights standard equipment.

Dimensions:	**in working position**
Length (with long dividers)	9.67 m (31½ ft)
Width (depending on position) of reflectors)	5.60 m (18⅓ ft)
Height	3.78 (12⅓ ft)
	in transport position
Length (with cutterbar detached)	7.13 m (23⅓ft)
Width (with cutterbar detached)	3.00 m (10 ft)
Height	3.74 m (12⅓ ft)

Weight (standard equipment with 3.90 m = [13'] cutterbar) approx. 7410 kg (16,397 lbs.)

Optional equipment available upon request:

Cutterbars: 3.30 m (11 ft), 4.50 m (15 ft), 5.10 m (17 ft), long dividers automatic cutting height control for cutterbars of 15 ft and above, trolley for grain cutterbar and maize picker, 4-, and 5-row maize picker, chopper for the 4-row maize picker, CLAAS steering automat for maize pickers, standard concave, various sieves, stepped pulley drive for threshing drum, chain drive to reduce drum speed to 290 revs. p.m., mounted straw chopper, electronic grain loss control system comprising indicator and control sensors on straw walkers and sieve pan, operation monitor, suction blower, comfort cab, heating, evaporation cooling system and compression cooling system, hydrostatic road drive with automatic selection of cutting height and foot operation of cutterbar hydraulic, automatic gear selection CLASS Retromat, V-belt tensioning device depending on torque (CLAAS automatic tensioner) 110 kw (150 HP), 6 cylinder Diesel engine.
Tyre equipment 23.1-26 12 PR R 1

CLAAS-DOMINATOR 85 H

The technical data of the basic machine correspond to those of the DOMINATOR 85. The crop-tank volume capacity is 3000 l and therefore differs from the standard machine. The volume capacity has been reduced in order not to exceed the regulation height of 4.000 m. Accessories such as the chopper etc., can be mounted as on the standard model.

Tyres: 18.4-34 12 PR
rear 12.5/80-18 10 PR

Track:
front 3.030 mm (9.75')
rear 2.750 mm (8.94')

Wheelbase:	3.830 mm (12.4')
Length including cutterbars: (without straw dividers)	8.785 mm (28.5')
Length without cutterbars:	7.440 mm (24.0')
Width without cutterbars:	3.500 mm (11.3')
Height with grain tank: (3000 l)	3.800 mm (12.3')
Weight with 4.50 m cutterbar and chopper approx.	10000 kg. (22,764 lbs)

All technical data, weights and measurements are approximate. The factory reserves the right to make alternations without previous notice.

CLAAS service everywhere.

With CLAAS you are never on your own. Wherever you may live, your CLAAS Dealer is within easy access, Your partner in everything concerned with CLAAS. May it be advice when you are thinking of buying your new DOMINATOR, when actually buying it or looking after your machine. You will appreciate how important a good service is you can be sure of with a CLAAS Dealer. We took care of this, service engineers have been works trained. The CLASS Service is always available. This gives you safety and minimizes the risk. With your DOMINATOR you can cope with many harvests and we wish you every success.

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