AMAZONE

Cayena

Cayena tine seeder

for dry and stony soil conditions

Cayena

The Cayena tine coulter seed drill has been designed for high-speed sowing on hard, dry and stony soils with or without prior soil tillage.

With its 6 m working width and 3,600 l hopper capacity, the Cayena can achieve enormous work rates and, as an alternative, the Cayena-C comes with a 4,000 litre, twin tank hopper.

Cayena

Faster, economical, better!

Watch it on TV:
www.amazone.tv

Achieving high daily outputs

In **6 m** working width

Up to **15 km/h** working speed

Top benefits

- Sowing and optimum reconsolidation in just one pass
- High acreage outputs from the precise metering
- Easy pulling thanks to the narrow TineTeC coulter
- For hard, dry and stony soils
- Good clearance due to large number of rows: 36 coulters in 6 m
- Optimum coverage of the seed via the Exact harrow S
- Centralised stepless setting of the sowing depth
- Strip-wise reconsolidation thanks to the wedge ring roller with Matrix tyre profile
- Optimised coulter guidance for precise seed placement

The benefits of ISOBUS

- The Cayena is certified according to the UT 2.0 AEF compliance test. In this way, these AMAZONE seed drills can be operated via any terminal on the market that has been UT 2.0 certified. Needless to say, the Cayena can also be controlled via an ISOBUS compatible Section Control licence from another ISOBUS terminal.
- AMAZONE's AMATRON 3, CCI 100 and AMAPAD terminals, alongside all AMAZONE ISOBUS equipped machinery, support the AEF functionality, AUX-N. This means, that, for example, the buttons on an existing AUX-N compatible multi-function joystick can be individually assigned to a specific function. So, that function on the joystick is located exactly where the farmer wants it to be.

Cayena tine seeder – fast and precise

Up to 15 km/h for the highest of daily work rates

The Cayena tine seeder shows its strengths on hard, stony soils and in dry regions, where normal coulters don't perform. No matter whether used for coarse, medium or fine seeds, for mulch sowing, sowing after the plough or on stubbles – with its 6 m working width, the Cayena performs with an enormous efficiency. At working speeds of up to 15 km/h and its 3,600 litre seed hopper, the Cayena offers you the potential for the highest daily outputs.

Invaluable to you:

The interior lighting of the seed hopper is coupled with the headlamps of the tractor. The roll-over cover safely protects against dust and rain.

The complete opening of the seed hopper ensures the simple and quick filling.

Cayena-C – for seed and fertiliser

Pressurised tank system for higher seed rates

With the Cayena 6001-C, AMAZONE offers a trailed tine seeder that can also place fertiliser together with the seed into the seed furrow. The 4,000 litre seed hopper is divided in two compartments at a ratio of 60:40 and equipped with two fully electric metering units. Both compartments can, from choice, be filled with either seed or fertiliser. Via the same conveying system, seed and fertiliser are placed together in the seed furrow. In this way, for instance, when sowing winter rape or winter cereals, a starter fertiliser can be applied.

Via the sealed, pressurised tank system of the Cayena-C, the application of higher seed-fertiliser combinations is ensured.

Cayena 6001-C

- 4,000 l seed hopper
  with a sealed, pressurised lid, is divided up into a ratio of 60:40

Tank for seed

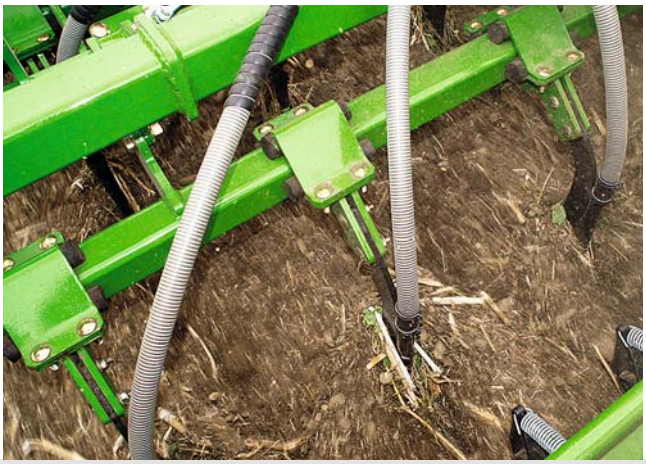
Tank for either seed or fertiliser

TineTeC coulters

The specialist operator for use in the most arduous of conditions

Narrow row spacing, spacious clearance

36 tine coulters and 16.6 cm row spacing – in three rows and arranged in an offset to one another on the main frame. The coulters of the Cayena, despite their narrow spacing, allow the easy passage of crop residues and stones.



The TineTeC coulters optimise work rates on hard soils.

Overload protection and stone safety device

These special rubber sprung elements optimise the adaptation of the coulter to the ground contours – even on heavy soils. Simultaneously they serve as an overload and stone safety protection, enabling the tines to give way three-dimensionally. Slight vibrations free the tine coulters from organic matter, without however affecting the placement accuracy of the seed.

“On-grip” tines

The narrow TineTeC coulters of the Cayena are arranged “on-grip” and automatically pull themselves into the soil. As the machine is supported via the lower links of the tractor and in the rear by the wedge ring roller, the entry force of the tines in a downward direction is limited, continuously ensuring – and irrespective of the fill level of the seed hopper – the exact placement depth of the seed. The sowing depth can quickly and safely adjusted via a setting spindle on each half side of the drill.

Narrow and hard-wearing

Thanks to their extremely narrow profile, the hard metal armoured coulters of the Cayena easily penetrate into the ground, moving only a little soil material – minimising the loss of moisture during the sowing operation. The narrow coulter profile provides additional decisive benefits: The Cayena requires little pulling power and the coulter wear is minimised. In spite of the large 6 metre working width, tractors with a power rating from just 100 kW/136 HP are sufficient for the Cayena.

Air diffuser

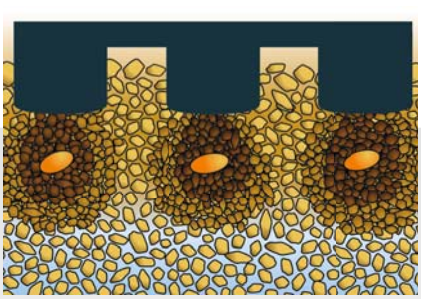
When sowing mixtures with heavily-deviating bulk densities/volumes (light seed/heavy fertiliser) the seed flow can be maintained. The air stream from the blower fan is self-regulating thus preventing the need for readjustment or the blowing out of any lighter material.

Exact harrow and wedge ring roller with Matrix tyre profile

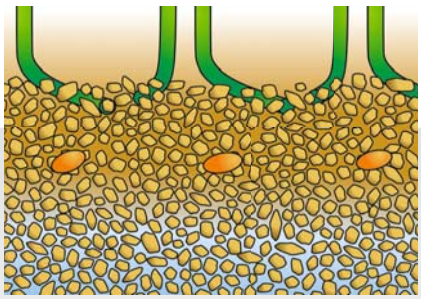
Optimised levelling, covering and reconsolidation

Blockage-free – even where large amounts of straw prevail

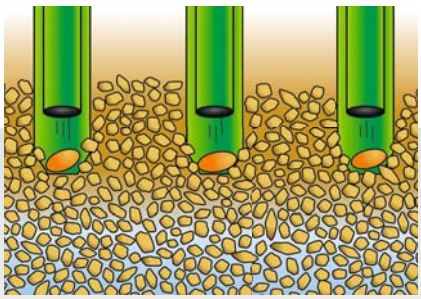
Following the seed placement, the Exact harrow S covers the seed furrows with loose soil and levels the ground. The penetration intensity of the harrow can be also adjusted centrally.



Reconsolidation – wedge ring roller



Seed covering – Exact following harrow



Sowing – tine coulter

Wedge ring roller with Matrix tyre profile

Exact and targeted: the ideal reconsolidation

The Exact harrow is followed by the AMAZONE wedge ring roller with Matrix tyre profile, consisting of twelve 800 mm diameter tyres. The over-sized wedge ring roller ensures a highly smooth running and, at the same time, serves as integrated running gear for road transport. Thanks to its special profile design, the wedge ring roller consolidates the seed bed in strips, precisely and exactly above the seed sown. In this way an optimum field emergence is achieved, even under dry conditions. Simultaneously loose stones are pressed into the soil meaning that a separate operational pass to roll the seedbed is no longer required. Scrapers on the roller ensure that it is not blocked or smeared, even under highly moist conditions.

As an alternative to the standard air-filled transport tyres, polyurethane-filled tyres are also possible. Filled tyres can possibly require a special operating licence and so please observe your national traffic regulations.

The basic settings

The Cayena is carried via the tractor's lower links and the wedge ring tyres. Guide wheels, available as an option and mounted in front of the tine coulters, help provide a smooth run, even at high sowing speeds. The sowing depth of the seed is simply adjusted via ratchets and, just as easily, the Exact harrow S is matched to the seed embedding; the drill is then ready to go.

Basic setting of the Exact harrow S

Basic setting of the sowing depth

Uncluttered view thanks to the compact design

Compact and easy to manoeuvre

Thanks to the lower linkage mounting, the integrated chassis and the hydraulically folding wings, the Cayena will impress you with its compactness and yet, at the same time, it is still a highly manoeuvrable unit with a length of just 6.7 m and a transport width of just 2.9 m. These compact dimensions are of decisive advantage especially in difficult terrain or in transport.

As the seed hopper is mounted towards the front of the Cayena, a proportion of the machine's weight is carried on the rear axle of the tractor, enormously improving the traction.

Long and slender

The seed hopper of the Cayena has been designed to be as large as possible, and yet, compact. This allows an uncluttered view of the TineTeC coulters in operation. In this way you have everything under control.

Uncluttered view of the TineTeC coulters

Tramline markers and rear harrow

Wheel mark eradicators

Equipment tailored to your needs

Pre-emergence markers
The pre-emergence markers clearly mark the tramlines via large discs so that the tranlimes are visible prior to the seed emergence. This improves the accuracy when creating tramlines and they are ideal for pre-emergence spraying.

Wheel mark eradicators
For operating the Cayena on unploughed, unconsolidated areas, wheel mark eradicators are offered as an option. The wheel marks, resulting from the sinking of the tractor into the soil, are broken up and levelled.

Rear harrow
Under heavy and moist conditions, a rear harrow is available that provides the slight scratching up of the soil behind the wedge ring tyres.

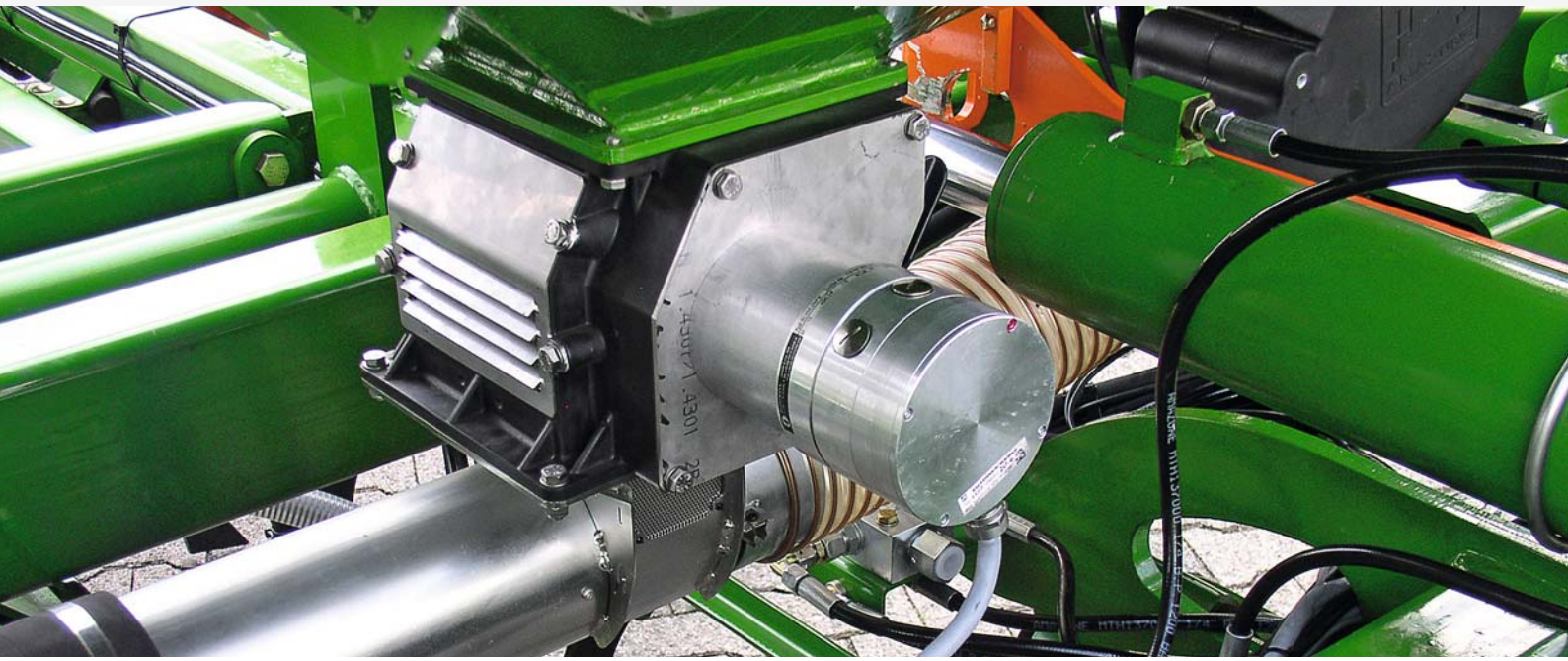
Front guide wheels
For operation under undulating conditions, the Cayena can be equipped with front guide wheels.

Front cutting discs
The cutting discs are ideal for pre-cutting and dividing copious amounts of straw ahead of the coulters, especially in those conditions created by poor straw distribution.

Front guide wheels

Front cutting discs

Cayena: quick adjustment – efficient and precise sowing



Precision from the fully electric metering drive

Comfort Pack 1 with TwinTerminal 3.0

To further simplify the pre-metering, calibration and residue emptying, AMAZONE offers for the Cayena, in conjunction with AMATRON 3, CCI 100 or AMAPAD operator terminals, Comfort Pack 1 with TwinTerminal 3.0. The TwinTerminal is mounted directly on the seed drill near to the metering units. This position offers a decisive benefit as now the operator can input the data for the calibration and then carry out the calibration procedure directly on the machine avoiding any unnecessary, repeated climbing up and down from the tractor.

The TwinTerminal 3.0 consists of a water and dustproof housing with a 3.2" display and 4 large operational keys.

The metering cassettes, located to the front left hand side of the machine are quickly exchanged

Metering cassettes for a wide variety of seeds

Precision metering

You can rely on the proven fully electric metering via AMADRILL+ or AMATRON 3 to enable the precise adjustment of the seed rate. You just have to adjust the seed rate on the operator terminal, calibrate the machine and then enter the determined weight into the terminal. Seed rate and operational speed – determined via the impulses of the radar – then determine the driving speed of the metering cassette. In this way, any inaccuracies in seed rate are avoided.

For coarse, medium or fine seeds, interchangeable metering cassettes are available – allowing the matching to differing seed types and seed rates and thus an absolutely even metering and gentle handling of the seed. All the metering cassettes can be exchanged very quickly and without tools, irrespective of the fill level of the seed hopper.

For fine seeds, poppies, catch crops, maize, sunflowers, peas and beans, then additional metering cassettes are available as an option.

Optional metering cassettes

Equipment

LED work lights

The optional LED work lights light up the working area and thus provide a clear view of the working environment to ensure the safe operation, even in the evening and during the night. The area around the sowing coulters is also optimally illuminated. The work lights are controlled via the operator terminal.

Forward speed source

For the regulation and drive of the metering unit, the forward speed can be registered via a radar sensor or via a GPS speed sensor signal. As an alternative, the tractor speed can also serve as a speed source via a signal cable.

Seed pipe monitoring

Another useful system to assist the driver is the optionally available seed pipe monitoring which detects immediately any blockages down at the coulter and in the tube. Sitting directly behind the distributor head, sensors monitor the seed flow in the seed pipes. Incorrect switch-over of the tramline rhythm is automatically detected by the system. Especially on long working days, the monitoring is an elegant solution to help keep an eye on the working performance.

Equipped for all circumstances

In order to ensure sufficient oil quantity for the hydraulic blower fan, particularly for operation behind older tractors, AMAZONE offers, as an optional extra, a separate hydraulic pump. It can be quickly and easily attached to the PTO shaft of the tractor.

AMADRILL+ operator terminal

Precise seed rates and intuitive operation

AMADRILL+ is the operator-friendly terminal for AMAZONE seed drills. Its clear design, with unmistakable symbols and bold figures on the display, offers great convenience. Especially on farms with temporary drivers and short seasons, it is an advantage to equip what would be otherwise a complex seed drill with such a simple, intuitive operating terminal.

AMADRILL+

AMADRILL+ controls the fully electric metering of the machine. A simple key pressure is sufficient for calibration. After the calibration rate has been entered, the system adjusts itself independently. The specific benefits are shown on the headland: the function “pre-metering” offers convenience when sowing the field corners. Via the press of a button, the electric metering can be switched off, so that, for instance, preliminary work at the headland without sowing, is quickly and simply possible.

Needless to say the usual functions of a modern seed drill controller are included: simple setting and control of the tramline rhythm, in-cab seed rate control, monitoring of the blower fan and of the seed shaft and the integration of the fill level sensor in the seed hopper.

AMATRON 3 operator terminal

With ISOBUS technology

Machine overlapping operation

Control of all the important functions can be achieved via the AMATRON 3 ISOBUS terminal, including both operational functions and functions for the adjustment of the machine, such as calibration.

AMATRON 3 is an ISOBUS terminal that can be used from seed drills to fertiliser spreaders and crop protection sprayers enabling the optimum application rate control and operation.

One for ALL!

AMATRON 3

As standard the machine is equipped with an electric metering drive, allowing the easy calibration and the individual change of the seed rate. The comprehensive electro-hydraulic control via AMATRON 3 allows the operation of all functions, such as headland management or the working intensity of the coulter unit from the tractor seat.

The operator terminal controls the drill as well as monitoring the tramline functions. This also includes a sensible obstacle solution for the track markers. With the new Task Controller, the jobs can be prepared comfortably on the farm PC and then transferred via a USB stick to the terminal in an ISO-XML format and then loaded. By means of the AMATRON 3, via ISO-XML or Shape files, part-area, site specific maps can be processed.

GPS-Switch

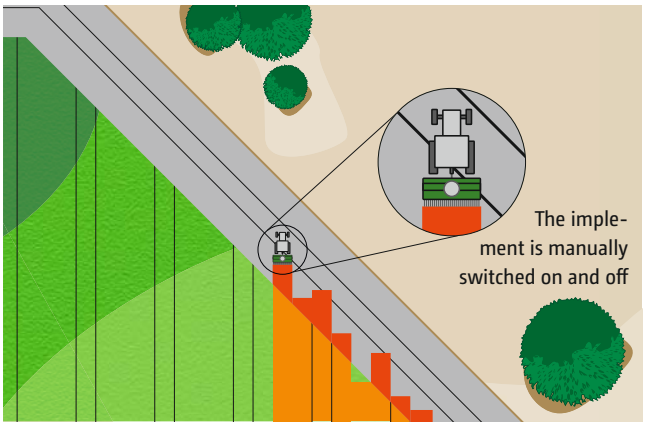
Accurate placement of the seed

After the success of the GPS-Switch system on fertiliser spreaders and sprayers, sowing now is the focus for the use of this technology. The switching on and off of the electric metering system is controlled via GPS. In this way, the stress on the driver is reduced and an improvement in the operational performance is achieved especially in small fields with many headland turns.

AMATRON 3 with GPS-Switch

GPS-Switch controls, dependent on the position of the seed drill and the adjustments by the driver, the switch-on and off points of the electric metering unit of the Cayena.

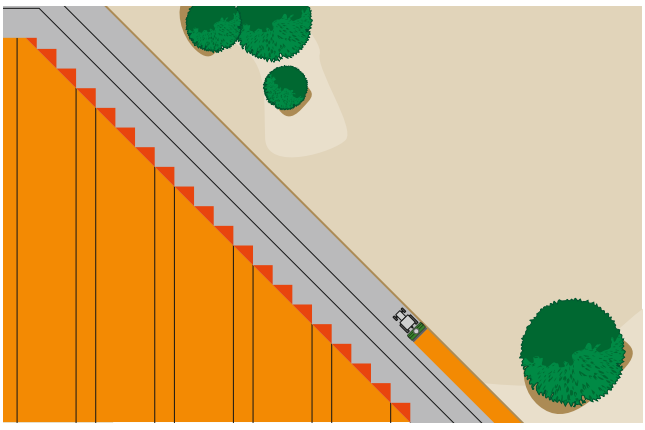
In this way, during practical operation, the often found over or under sown areas in critical spots, such as on the headland or in wedges can be minimised. Sowing 'gaps' are now things of the past! The driver can fully concentrate on driving and can operate the drill independently to achieve a neat transition.



Over or under sowing with manual on/off switching without GPS-Switch

Saving seed and higher work rates: with GPS-Switch now applicable to sowing, the classic method of raising the drill to switch it off which leaves some seed on the surface and gives more chances of misses is avoided so that the sown seed is better placed. For a better optimisation of the switch-on and switch-off points, AMAZONE recommends RTK accuracy.

The future today: in addition, application maps are becoming more and more popular where the seed rates can be matched to the small-scale situations in the field – such as hills and hollows or changes in soil type. The Task Controller (via ISO-XML) or GPS-Maps, as an option for the AMATRON 3 terminal, allows the simple activation of seed maps. Standardised file formats can be imported into the system which are then implemented fully automatically. A graphic display of the map in the background offers a good overview.



Position dependent, automatic switching on and off of the electric metering unit with GPS-Switch

CCI terminal

The benefits

The CCI ISOBUS terminal from AMAZONE is the result of the cooperation with several other manufacturers of agricultural machinery who are joint participants in the Competence Centre ISOBUS e.V (CCI). With CCI, AMAZONE and its partners have laid the foundation to introduce ISOBUS into practice. The CCI 100 is the basis to convert all AMAZONE machinery and implements successively to the ISOBUS standard.

- The bright 8.4" colour display with its high screen resolution and ambient light sensor matches the brightness automatically to the light conditions. This avoids the driver in twilight or at night being blinded by too bright a display.
- Inputs can be entered either, from choice, via the operator-friendly touch screen or via the soft keys.
- Fatigue-free operation at night is assisted by the backlighting of the keys which are also connected with the light sensor.
- The proven AMAZONE one-handed operation is still possible because the function of the “soft keys” can be simply mirrored.
- For intuitive menu guidance and the convenient input of values and text, the terminal is provided with a high-quality touch screen.
- For the direct, quick adjustment and readjustment of pre-set values, a scroll wheel with operating functions has been ergonomically integrated into the housing.

The terminal includes the following functions:

- ISOBUS machine operation
- CCI.Control job management for documentation
- CCI.Command (optional):
  Automatic part-width section shut-off CCI.Command.SC
  Parallel guidance aid CCI.Command.PT
- Application maps supported in ISO-XML format
- Serial interface, e.g. for N sensors
- Tractor ECU function
- Camera function CCI.Cam

- External light bar for CCI.Command.PT parallel driving aid

  As a possible addition, an external light bar is available which can comfortably be coupled with CCI.Command PT. The external light bar can be positioned freely in the tractor cab. The only precondition for its utilisation is the activation of the Parallel Tracking module in CCI.Command.

AMAPAD

An especially comfortable method of controlling agricultural machinery

The new dimension in control and monitoring

With the AMAPAD operator terminal, AMAZONE offers an entirely new and high-class solution for GPS application such as automated GPS based part-width section control and Precision Farming applications.

AMAPAD features an especially ergonomic, 12.1" touch screen. With the unique “MiniView” concept, applications that do not need to be actuated but which, however, need to be monitored, are clearly shown at the side. If needs be, these can be enlarged by “fingertip” widening. The possibility also exists to customise the display, a feature which rounds off the exceptional layout of this operator terminal.

In addition to GPS-Switch pro part-width section control, a high-quality professional manual light bar guidance system is also installed as standard. GPS-Track pro can also be upgraded to an automated steering system.

The terminal includes the following functions:

- ISOBUS implement operation
- Task Controller job management for documentation
- Automated GPS-Switch pro part-width section control
- GPS-Track pro parallel guidance system
- As an option: upgradable to automatic steering
- GPS-Maps pro application map module

The characteristics of AMAPAD:

- Screen made from toughened glass
- Housing made from impact-proof plastic
- Extra-narrow rim for maximum visibility
- Flush finish, no penetration of dust / humidity

GPS-Switch pro ready GPS-Track pro ready GPS-Maps pro ready

AMAZONE service – always in your vicinity

Your satisfaction is our challenge

AMAZONE Original

Choose the Original Choose Success!

VDMA campaign: Pro-Original

The satisfaction of our customers is the most important objective

For this we rely on our competent sales partners. Also for service queries they are the reliable contact partner for farmers and contractors. Due to continuous training, our sales partners and service technicians are always up to date when it comes to looking after the state of the art technology.

We provide you with a first class spare parts service

The basis for our world wide spare parts logistics is the central spare parts depot at our headquarters in Hasbergen-Gaste. This ensures the maximum availability of spare parts, even for older machines.

Parts which are available in our central spare parts depot in Hasbergen-Gaste, ordered up until 17.00 hours, are dispatched the same day. 28,000 different line items of spare parts and wearing metal are located in our highly modern store and daily, up to 800 orders are sent to our customers.

Better to choose the original right from the start

Your equipment is exposed to extreme demands. The quality of AMAZONE spare parts and wearing metal offers you the reliability and safety you need for efficient soil tillage, precise sowing, professional fertilisation and successful crop protection.

Only original spare parts and wearing metal are perfectly matched to AMAZONE machinery in their functionality and durability. This ensures the optimum operational performance. Original parts at a fair price pay off in the end.

Therefore, make your decision the original!

The advantages of original spare parts and wearing metal

- Quality and reliability
- Innovation and efficiency
- Immediate availability
- Higher resale value of the used machine

Technical data: Cayena tine seeder

	Cayena 6001	Cayena 6001-C
Working width (m)	6.00	6.00
Transport width (m)	3.00	3.00
Coulters	TineTeC	
Row spacing	16.6 cm	
Number of seed rows	36	
Seed hopper capacity (l)	3,600	4,000 (divided 60:40)
Operational speed (km/h)	8 – 15	
Power requirement from (kW/HP)	100/136	
Linkage system	From choice: Cat. II, III or IV	
Transport chassis	4 integrated transport wheels in the wedge ring roller	
Number of wedge rings	12	
Following harrow	Exact S following harrow	
Weight from (kg)	5,900	6,100
Control valves required	2 double acting + 1 single acting + pressure-free return flow	

Illustrations, content and technical data are not binding! Technical data may deviate according to the level of equipment.
Machine illustrations can vary due to country-specific traffic legislation.

- The Cayena rapidly folds down to a 3 m transport width

AMAZONEN-WERKE H. DREYER GmbH & Co. KG
P. O. Box 51 · 49202 Hasbergen-Gaste/Germany
Phone +49 (0)5405 501-0 · Fax +49 (0)5405 501-193

MI5863 (en_GB) 10.16 Printed in Germany www.amazone.de www.amazone.co.uk E-Mail: amazone@amazone.de