


For Earth, For Life
Kubota

M

KUBOTA
M7003 SERIES

7-133 – 7-153 – 7-173





**Fresh
thinking is
the answer
to today's
challenges.**

The challenges facing the agricultural sector are becoming increasingly bigger. And when times are tough, only one thing helps: a new way of thinking. Envisaging alternative options and making smart decisions. For your next tractor purchase, this means opting for efficiency instead of image. For a tractor that can do tough work with top performance whilst under constant strain. And all that at a reasonable price. A Kubota tractor is exactly the right alternative at times like these.

A red Kubota M7153 tractor is shown in profile, pulling a red sprayer. The tractor is on a paved road, and the background features a field and a cloudy sky. The text "Tough times need surprisingly tough performance." is overlaid on a teal background in the upper left corner.

**Tough
times need
surprisingly
tough
performance.**

When it becomes increasingly more difficult to be successful, the time has come to take an uncompromising approach. And this means demanding unquestionable quality and reliability. Kubota meets these requirements with engines, which meet expectations when things get tough. You will be surprised by their performance, power, and fuel efficiency.



A new understanding of farming enabled by a global player.

To be a partner who can facilitate new ways of thinking requires a certain degree of power and seriousness. Did you know that Kubota is a global, rapidly growing company for the professional agricultural sector? Just take a look at the decisions and steps we have taken in the last years. Surprised?

2012

Kubota acquires the Kverneland Group

2014


Opening of a new production plant in France

2015

Market launch of the M7001 series and the Kubota implements programme.

2016

Kubota expands its implements division with the acquisition of Great Plains



A future-oriented portfolio doesn't end with tractors.

The demands in agriculture are not only high, but also extensive and varied. Kubota offers you precisely the right solution for all tasks – and all from a single source. With the largest range of implements on the market, our Kubota-ISOBUS offering and innovative solutions like the TIM (Tractor Implement Management) system, we are able to constantly think ahead and bring you solutions that enable you to achieve more. All Kubota machines and processes are optimally coordinated and guarantee maximum quality, efficiency and sustainability.

#Highlights



Kubota Farm Solutions

360° performance for 100% success.

We've understood that your success requires more than a powerful tractor: that is namely an integrated system of products, services and support to increase your future viability and competitiveness. With Kubota Farm Solutions we have bundled our solutions into a single system that really hits the mark. From intelligent technology to individual services, Kubota Farm Solutions' advantages are perfectly intertwined – and form a cycle that ends where it begins: with our claim to always be able to support you a little better now and in the future.



Performance

The Kubota M7003 is the top performer among professional Kubota tractors. Thanks to its unparalleled lifting power, superior comfort, excellent ease of use and comprehensive Precision Farming solutions, top performance is guaranteed.



Control

The all-in-one terminal, multi-function lever and new "swap valve" function make it easy to control all implements. The K-Monitor quickly and clearly supplies you with all relevant and important operating data.



Optimisation

The modern M7003 tractors are ISOBUS-certified and therefore support the targeted use of resources. With the possibilities of its automatic steering systems, the tractor becomes a precision solution for effective and economical farming.



Value protection

Kubota tractors offer proven quality and performance. A maintenance contract helps to protect your investment in the long-term. Kubota also offers you a 2 year manufacturer's warranty for the M7003, which you can optionally extend to 5 years with Kubota care.



Finance management

The M7003 stands for state-of-the-art high-performance tractor technology. With Kubota Finance you can invest in technology that will make an important contribution to your success.

Cab

The M7003's spacious and quiet cab makes the perfect command center. Thanks to its high level of comfort, outstanding ergonomics and user-friendliness, you can stay concentrated and relaxed throughout even the longest working days. The optional automatic air conditioning and electrically adjustable exterior mirrors further increase operator comfort.

K-Monitor & TIM

As an all-in-one terminal, the tractor's K-Monitor combines a wide range of functions with intuitive operation. What's more, its functionality has been improved through the integration of the "swap valve" function and other new features. The TIM (Tractor Implement Management) system allows the implement to automatically control tractor functions, offering new possibilities in precision farming.

Engine

Thanks to its optimised power curve, the latest version of our V6108 TIEF5 engine delivers increased performance at lower levels of fuel consumption. With the additional power boost on all models, the M7003 has plenty of power in reserve to ensure maximum performance at all times.



Transmission

Whether 30F/15R transmission or 54F/27R transmission, the M7003's transmission systems ensure maximum efficiency under all operating conditions. Tractors equipped with powershift transmission now feature the new "Xpress restart" function, which allows the operator to directly control the main clutch by activating the brake pedal. For even more convenience, the continuously variable transmission of the premium M7003 KVT model leaves nothing to be desired.

Multi Speed Steering Control

The "Multi Speed Steering Control" function allows the operator to set the optimum steering ratio for the application. Up to three ratios can be easily set using a switch on the side console.



Strong performance: The biggest engine in its performance class

The new Kubota 6.1-litre V6108 TIEF5 engine was designed with a single goal in mind: more power. This 4-cylinder engine delivers the same power as many 6-cylinder engines in its class, making it perfect for tough field use. At the same time, its innovative SCR technology reduces harmful emissions. In other words, it's not just you who benefits from this powerful and clean engine – the environment does as well.



Did you know?

Did you know that Kubota produces its own engines and that Kubota is the global market leader for industrial diesel engines under 100 hp? You might be surprised to learn under which bonnets Kubota engines are at work. Top quality and efficiency are the main ingredients of this success.


Under the bonnet of the M7003 you will find state-of-the-art, highly efficient engine technology from the Kubota Group, one of the world's leading manufacturers of industrial diesel engines. The three models deliver a maximum output of 130, 150 and 170 hp and are equipped with a highly efficient air filter system.

Engines with added value


Kubota's state-of-the-art 6.1-litre diesel engines with four valves per cylinder, long piston stroke and proven Kubota E-CDIS Central Direct Injection System deliver consistent performance with more efficient fuel consumption and less noise and vibrations.

The Common Rail System (CRS) electronically controls the time of injection and the amount of fuel injected at high pressure and in stages

38 L
Tank for AdBlue®



330 L
Tank for fuel



for optimum combustion. This ensures better efficiency, reduced fuel consumption and lower engine noise. The powerful turbocharger with waste-gate system stands for both high torques as well as impressive tractive force.

Extra-large tanks for fuel and AdBlue®

The Kubota M7003 is equipped with extra-large tanks for long working days.

Dynamic and powerful: Benefit from the best of both worlds

More performance, less consumption: That's what farmers expect, and the M7003 delivers. Its modern V6108 engine combines the positive characteristics of 4 and 6-cylinder engines without their disadvantages. With its engine data and characteristics, its extraordinary dynamics and power, it allows it to meet all the demands you place on an engine. It therefore sets a completely new benchmark in this performance segment.

Optimized torque

For more power and reduced fuel consumption, Kubota has optimised the power curve of its engine. Maximum torque at 1,500 rpm and maximum power at 1,900 rpm mean higher performance over the entire performance curve and up to 7% lower specific consumption. This is also associated with lower noise levels and a corresponding increase in driving comfort.

Clean engine technology

The robust V6108 TIEF5 engine is equipped with a SCR (AdBlue®) catalytic converter. The combination of this technology with a diesel particulate filter (DPF) and an external water-cooled exhaust gas recirculation system (EGR) ensures that the M7003 meets the strict requirements of the Euro Stage V emissions standard.

Lower consumption

The 4-cylinder engine of the M7003 has a very efficient fuel consumption despite its high power. The lower amount of fuel required and the reduced AdBlue® consumption results in longer operating times.



M7003



More power with Power Boost

The M7003 with power boost on all models has additional power reserves to ensure maximum performance in all conditions. The M7003's Power Boost immediately provides additional power reserves for short-term, exceptionally heavy tasks such as PTO operation or transport work.

Maintenance friendly

The one-piece bonnet and easily accessible maintenance points make the M7003 a service-friendly tractor. This advantage is maintained even with the front loader attached.

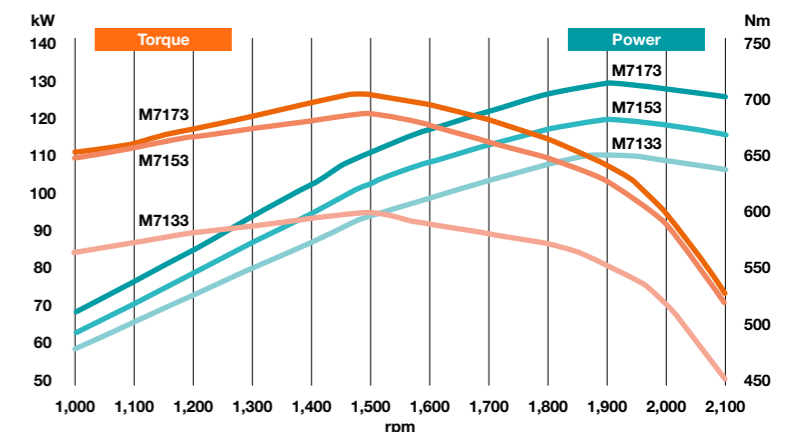
Robust half frame

The engine is self-supporting and therefore only has the function of the power unit. The forces are transmitted by a half frame, which is directly connected to the robust gear housing. This gives the M7003 a wheelbase that is usually only found in 6-cylinder tractors. This in turn leads to improved tractive performance that does not come at the expense of manoeuvrability.

Proven reliability

Kubota is known for the reliability and long life of its engines. You will find that this engine is no exception and still benefits from its advantages even after a long period of use.

Power and torque





A clear advantage: The M7003 lets you shift to efficiency

The versatile powershift transmission of the M7003 ensures you're always in the right gear and can benefit from increased efficiency – in terms of speed as well as in terms of the application-specific work process. If you're looking for maximum driving comfort, the continuously variable KVT transmission of the M7003's premium KVT model pays off for you every time you drive.

The M7003's proven powershift transmission has six powershift ratios and five synchronised ranges, resulting in 30 forward and 15 reverse gears in the standard version. You can add the additional creeper gear in all Powershift models, making a total of 54 forward and 27 reverse gears, with speeds ranging from 0.25 to 50 km/h.

With more overlap between groups and two more gears per group, finding the right gear is now even easier. Depending on the nature of the field or transport task, the M7003 powershift transmission can be shifted either manually or automatically.

The new transmission software provides even more driving comfort. With the new "Xpress restart" function, the operator can directly control the main clutch by pressing the brake pedal. This enables the tractor to be stopped without needing to engage the clutch, ensuring maximum convenience and productivity.

Comfort thanks to automatic gearshift

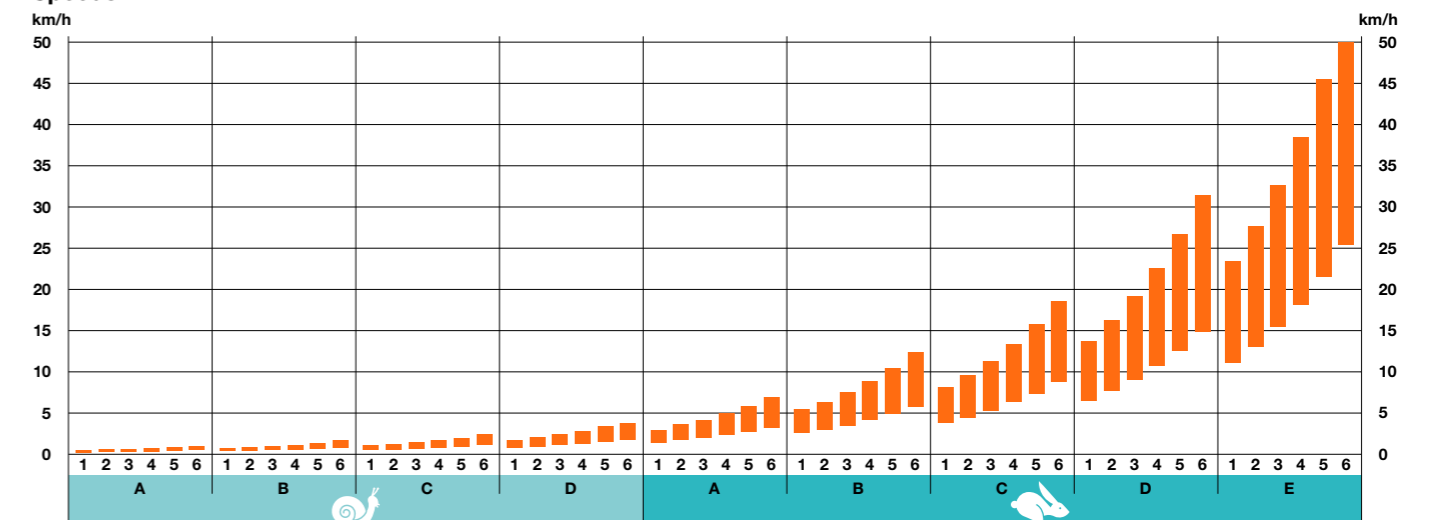
In automatic mode, the transmission shifts gears depending on the engine load. You only need to specify the required speed range shifting on the dashboard or on the K-Monitor of the electronic transmission control. Now you

don't even have to think about shifting but can concentrate on the route that lies ahead of you. You can also set the shifting behaviour via the gear management system, which gives you enormous gains in terms of productivity and comfort.

Save fuel in ECO mode

The ECO mode automatically increases efficiency, for example during transport journeys. In ECO mode, the gear ratio is designed in such a way that the final speed of 50 km/h is reached with reduced engine speed. Another positive side effect is the quieter cab due to the reduced engine speed of under 2.000 rpm in ECO mode.

Speeds



Endless possibilities: This transmission takes you to your destination in comfort

If you want to get the most out of your tractor in all situations, the KVT (Kubota Variable Transmission) is the perfect choice for you. The infinitely variable transmission of the M7003 premium KVT model provides the perfect speed for all work applications. Another plus for safety: When transporting heavy loads downhill, the transmission ratio can be set at the touch of a button, so that the engine acts as an engine brake and dangerous over-braking of the tractor is prevented.

The M7003 Premium KVT model is equipped with a state-of-the-art KVT quality transmission. The fully automatic engine transmission management ensures a perfectly matched driving speed with the lowest possible fuel consumption. With the KVT the tractor is always driven in the ideal power range, depending on the implement and operating conditions. This gives first class working results. Since the tractor is always driven at the ideal engine speed, the working performance is optimised, and fuel consumption is minimised.

The KVT software has made the multifunction joystick more responsive as well as enabling more rapid acceleration and deceleration of the tractor. The speed range extends from 0.05 to 50 km/h and improvements to the electro-hydraulic shuttle have made the tractor even more agile.

Different modes and options

When driving on the road, the KVT can be operated either via the multifunction lever or the accelerator pedal. At the same time, acceleration behavior and engine characteristics can be adjusted via the K-Monitor.

The cruise control feature keeps the speed of the tractor constant. Presets can be applied for two forward and two reverse speeds.

Simple and intuitive

Kubota has developed a special control software for intelligent powertrain management that increases productivity and fuel efficiency. No matter whether it's light or heavy pulling work: The DROOP setting ensures optimum matching between gear ratio and engine speed. Control of the tractor and machine is taken care of by the system, allowing the driver to focus on other jobs at hand.

Did you know?

Did you know that Kubota has held a leading position in the fields of construction machinery and compact tractors for many years in Europe? You will find the same experience and keys to success applied to the professional agricultural market.





A true performer: You can ask a great deal of your M7003

No matter whether large implements or demanding front loader work – you can demand a great deal of the M7003 when it comes to hydraulics. You can choose between two specification versions. No matter which model you choose: you will be thrilled by the efficiency and performance.

The premium models of the M7003 come with a closed center hydraulic LS pump with variable flow rate, supplied by a 110 l/min axial piston pump. Four electronically controlled hydraulic valves come as standard. Up to two additional valves are available as an option. A Power Beyond connection is available to control high flow rates for implements.

The standard model of the Kubota tractor is equipped with an open hydraulic system, an 80-litre gear pump with three mechanically controlled hydraulic valves and the option of a fourth hydraulic valve. The option with 110 L/min CCLS technology is now available on all M7003 standard models.

No-matter which model you choose: Both hydraulic variants guarantee maximum versatility.

Convenient to handle

The electronic power lift control is ergonomically integrated into the multifunction lever. This makes the hydraulics easy to operate and simple to handle. In addition, the external remote control makes it easier to attach and detach implements. The practical “swap valve” function is integrated in the K-Monitor 7” and K-Monitor Pro 12”.

The new “swap valve” function, which allows you to effortlessly synchronise various tractor valves and lever controls, contributes to optimum operator comfort. Another practical feature is the new “Multi Speed Steering Control” function, which makes steering maneuvers, such as headlands or front loader work, much easier by adjusting the steering ratio.

Trimmed for strength: So you master every task

The lifting capacity of the M7003 will impress you: Even very heavy implements can be lifted easily by the tractor. Whether rear or front mounted – hydraulics and linkage are optimally matched to the unique performance of this high-performing machine.



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The M7003's massive lifting capacity of 9,400 kg allows you to work quickly with drill combinations or other heavy implements such as ploughs, cultivators & co. The front power lift's lifting capacity of 3,500 kg provides additional lifting capacity for easy handling of tasks requiring heavy equipment. The stable front power lift adds even more ver-

satility to the already impressive capabilities of the M7003. The Premium and KVT models feature a CCLS (Closed-Center Load-Sensing) hydraulic pump, which provides a massive 110 l/min of output. Standard models with a main pump currently delivering 80 l/min can also be optionally equipped with a 110-l-CCLS hydraulic pump. Another extremely practical feature is the hydraulic power steering with new multispeed steering control, which can be adjusted to suit the application and required working speed. For the operator, the time savings achieved in this way mean greater comfort and efficiency.



Always the right selection

When it comes to the PTO, you have the choice between four speeds (540/540E/1.000/1.000E) to operate a wide range of implements in a fuel-efficient way. This makes the M7003 extremely flexible depending on the task ahead. The PTO shaft can also be switched on and off conveniently and safely from the mudguard.

Automatic PTO shift

You will really appreciate the comfort and precision of the automatic PTO management (on Premium models) when turning at the end of fields. Auto-PTO automatically disengages the PTO at the headland when the three-point linkage is raised, and then re-engages automatically when lowered.



Front hitch and PTO if required

Optionally, the M7003 can be equipped with a front PTO shaft with a shaft speed of 1,000 rpm. The front mounting space can thus be used for a wide range of applications, for example, for use with the front mower or a front hopper for dosing fertiliser and seed.



Enormous lifting power

The M7003 is capable of lifting a total of 9,400 kg at the rear. This makes the Kubota M7003 the best in its class.

The perfect command centre: This is where you take control

Those who drive the M7003 will find themselves sitting in an extremely comfortable workstation. Because the spacious cab of the M7003 has been optimised to meet the needs of the driver. Extremely comfortable, user-friendly and ergonomically designed – this is where you can work in a highly concentrated yet relaxed way. The cab therefore makes a decisive contribution to enabling you to fully exploit the enormous potential of the tractor.

The M7003 guarantees a pleasant working environment, even during the longest working days. This is ensured by its spacious cab, which is ergonomically designed to meet the needs of the operator and is one of the largest in its class. It offers outstanding space and comfort, a well thought-out operating concept and excellent all-round visibility. The result is a pleasant working environ-

ment that allows you to concentrate on your work while reducing fatigue – even when it has long since become dark outside. And talking of darkness, the new full LED work lights guarantee highly productive work, even at night. Inside the cab, the new powerful spotlights offer full visibility control of the lever and joystick.

The cab has undergone various modifications to increase comfort. This begins with new, top-quality interior materials and continues with the new air conditioning system with 25% increased airflow and the new premium seat from Grammer – this offers better suspension and upholstery as well as larger armrests. Additionally, improved insulation and soundproofing results in lower noise levels inside the cab. The two optional electrically adjustable exterior mirrors are heated to give you a clear view to the rear even in wet conditions, sub-zero temperatures or snowfall. Naturally, the cab is system- and FOPS-certified for proven safety (option).

Easy access

The cab of the M7003 is simple to enter thanks to the easy ascent and the wide door.

Seating comfort for driver and passenger

In order to increase driver comfort, a new, more comfortable premium-seat is now fitted as standard. The passenger also gets to sit on a wide and comfortable seat.



Did you know?

Did you know that Kubota manufactures products in seven European countries? This proximity to the market is central to the company's philosophy. Each factory adheres to the same high Japanese quality standards, whether it is located in Germany, France, or Japan.

The M7003 cab: Optimum comfort on long working days

Increased driving comfort is a must on long strenuous working days. A main requirement during the development of the M7003 cab was to relieve you of as much work as possible. The comfortable seat for the driver and passenger, various suspension options and low noise level inside the cab ensure high performance all day long.



Front axle and cab suspension protect both operator and machine and result in high productivity. Relative to front axle: With the heavy duty version, the M7003 is equipped with an extremely robust front axle. The tractor is available without cab suspension or can be equipped with two different suspension systems: a mechanical suspension system or a pneumatic suspension.

The cab suspension with a spring travel range of +/- 45 mm reliably absorbs hard impacts while driving on the road just as reliably as on the field. Which protects the driver's safety and continues to increase comfort furthermore. The cab suspension ensures a pleasant ride and stress-free working for many hours.

Steplessly adjustable front axle suspension

The front axle suspension reduces the severity of a long working day. When working with a plough or front loader, automatic and intelligent control of the front axle is possible. This eliminates the negative characteristics of a front axle suspension and increases comfort and efficiency. The front axle suspension can also be deactivated manually.



Optional automatic air conditioning

The optional automatic air conditioning system ensures a pleasant working environment inside the cab. The system automatically regulates fan speed and air temperature by means of a sensor.

Relaxing driving

The very comfortable driver's seat of the M7003 – guaranteed to provide a relaxing ride.

High comfort for the passenger too

The standard passenger seat is comfortable and spacious and gives the passenger a comfortable and visible seating position.

Relaxing silence

The well insulated driver's cab (72 dB[A]) ensures a pleasant noise level. So you can work all day long in a quiet and concentrated fashion.

Versatile use

The increased permissible total weight of the tractor of up to 11,500 kg means high payloads are possible.



Electronic immobilizer increases security

You can be completely relaxed when it comes to the important area of security, as the M7003 has an immobiliser with password.

New perspectives: You'll enjoy this

The M7003's 4-pillar cab is designed so that you have everything in view at all times. Generous panoramic glazing gives you a clear view of the front mounted implement and front loader areas of the tractor. The clarity of the cab is perfectly complemented by extraordinarily intuitive user-friendliness: All instruments are arranged so that you can reach them easily and use them effortlessly. In short: In this workplace you call the shots.

With only four pillars, rounded mudguards and a forward-sloping bonnet, the M7003 provides excellent visibility to the front, rear and both sides. As there are no blind spots, the M7003 can be manoeuvred safely.

Concentrated work is also supported by the ergonomic design of the control elements. All control levers, switches and buttons in the cab are logically arranged, easy to distinguish and easy to reach. The large LCD display on the dashboard also provides a clear and accurate overview of all the information you need to operate the tractor. Even a new driver will find their way around immediately.

All the information you require

You can customise the information provided by the LCD display to show and intuitively use all the information you need. This results in ease of operation as well as high flexibility and productivity through the use of different drivers.

Perfect for overhead working too

To ensure that the view upwards from the cab remains unobstructed, we have added roof-mounted ventilation controllers and air nozzles. The glazed roof window can be opened and provides a clear view of the lifted front loader, while allowing fresh air to enter the cab if necessary. The M7003's powerful halogen or the full LED work lights package are strong enough to turn night into day.





Control at your fingertips: Everything in reach

Comfortable operation instead of tedious fiddling: The tractor's multifunction lever combines all important functions centrally. Ideally positioned from an ergonomic point of view, it is easily accessible on the right-side console. There is no easier or more ergonomic way to control tractor functions.

Did you know?

Gonshiro Kubota founded the company because he could no longer stand to see people dying from contaminated drinking water. He began by manufacturing products for clean water supply. Since then, we have been offering various products that help to improve the living conditions of people and society. That's what "For Earth, For Life" stands for.

Comfort for long working days

Fewer arm movements mean easier operation and less fatigue. In other words: You can do more work in less time and require less effort to do so. There's not a simpler and more convenient way to operate a tractor.

You can carry out important functions without having to reposition your hands. All operating elements are easy to reach and can be operated with complete ease. You want to increase or decrease the tractor speed? You can do so with a single small movement.



With the Kubota M7003 you can optionally integrate all control elements into the modern arm rest. All the controls you need on a regular basis are within easy reach without having to lift your arm. This means even more comfort and productivity for you – intuitive operation included.



On all M7003 models, some additional controls are centrally located on the right side. The multi-function lever on the standard model is integrated into the side console, while the higher models are equipped with a modern armrest and multi-function lever.

#Traction

Always on the road to success: With the M7003 you can reach your goals in a relaxed way

Tough ploughing, speedy transport journeys or frequent front loader work in narrow yards – the M7003 knows to impress even in difficult situations thanks to excellent traction, maximum driving stability and outstanding manoeuvrability. With the Kubota M7003 you will reach your destination safely, no matter how demanding the task.

Increased productivity is ensured by the M7003's front-axle and cab suspension with increased traction and ride comfort. The tractive force is optimally transmitted – which highly benefits you when ploughing on heavy soils.

The front axle suspension not only provides better traction and more driving comfort, but also safe driving behaviour. This provides an additional plus in terms of safety when driving fast on the road. In automatic mode the system adapts to the respective load.

Excellent manoeuvrability

Despite its respectable wheelbase of 2.72 m, the M7003 is extremely manoeuvrable and agile thanks to its narrow steering angle of 55°. The tractor can therefore be manoeuvred even in narrow yards and on headlands.

Electro-hydraulic activation of the automatic differential locks

The automatic differential locks on the front and rear axles of the M7003 are electro-hydraulically engaged and provide the best possible traction, even when ground conditions are poor. Automatic activation is controlled



by the steering angle and speed. To optimise traction when ploughing, or to ensure perfect co-ordination with the tyres of the new Kubota trailed sprayer, a spacer set (+ 50 mm) for the rear double tyres is also available.



The all-in-one terminal: Never before has operation been so easy

Kubota has made every effort to further optimise your workplace to meet your needs. In order for you to be able to operate the tractor and implements as easily as possible, all the information has been combined in a single place: the K-Monitor. The K-Monitor 7" and K-Monitor Pro 12" combine a wide range of functions with intuitive operation.

The advanced M7003 is 100% ISOBUS compatible. This means that you can use all AEF-certified ISOBUS devices and machines on the market without restrictions. This saves you time and money and makes the working day easier. The new TIM (Tractor Implement Management) system allows the implement to automatically control certain tractor functions, offering new possibilities in precision farming. The result is optimised efficiency and work quality of the tractor/implement combination. Kubota's M7003 tractors can also use TIM technology with compatible machines from other brands. The TIM installation kit will be available with the KVT transmission and K-Monitor Pro 12".

The K-Monitor Pro 12" has a four-part screen consisting of an active main screen and three additional secondary screens for display functions. These enable the operator to easily change the displayed functions. The K-Monitor 7" has switch buttons for quick and easy switching between functions.

The K-Monitors have been updated with new features. The memory for the HMS headland management system has been increased to store more variations, meaning that up to 20 implements can now be stored in a single setup. Individual driver profiles can also be saved. As a result, you can quickly set up the tractor and implements, share data between all M7003s, and save time by not having to reset tasks. Another new feature is the "swap valve" function, which allows full synchronisation of fingertip/joystick and color-coded valves.



Did you know?

Did you know that Kubota is an ISOBUS pioneer? The Kubota company Kverneland Group invented the ISOBUS technology. And incidentally: Kubota is also leading the industry in AEF certified ISOBUS compatibilities.



K-Monitor Pro 12"



K-Monitor 7"



Versatile assistance

The headland management automates the entire headland operating sequence. This saves you time as you can concentrate fully on turning without having to worry about the implement.

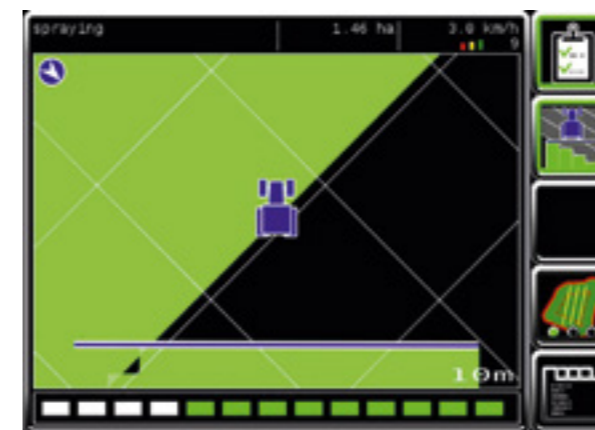
The ISOBUS technology also provides further valuable assistance for other tasks, for example through the manual steering guidance, which is indicated by an LED bar on the terminals. An automatic steering system is optionally available with all terminals for the K-Monitor Pro 12". The handy steering aids mean minimised overlaps and imperfections, time savings, lower costs for equipment and productive work at night.

Thanks to new software, the automatic steering system now has additional features, such as up to 20 different guide lines as well as the possibility of combined, straight and curved lines. You can use a "nudge" function to correct your A-B line with the push of a button.

Efficient use of resources

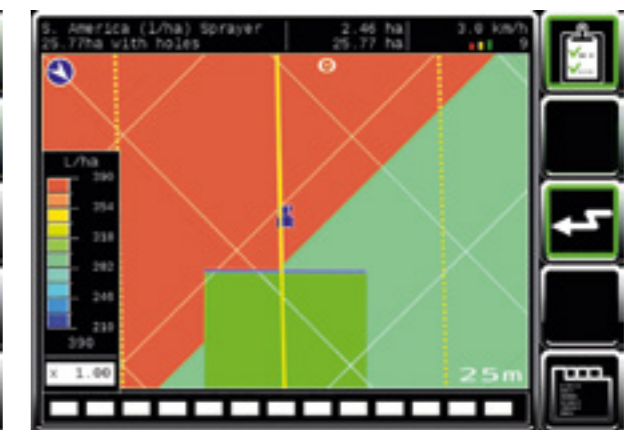
Also integrated into the Kubota monitors is GEOCONTROL, which in combination with a GNSS receiver, allows part width section switching or partial area-specific application. These functions enable the use of ISOBUS implements such as fertiliser spreaders, sprayers and precision seeders. This enables you to save time, fertiliser and seeds and in turn reduce costs.

Naturally, the data of all tasks performed with the monitors can be exported for complete traceability.



Section Control

With a license for section control, the implement is able to regulate the beginning and end of the tracts of land by itself. Thus saving costs by avoiding overlaps.



Variable rate

With a license for variable rate application, the implement is able to regulate the application amount itself in combination with a geo-referenced map. Which increases yields per hectare, saves costs and improves driving convenience.

Just let the tractor steer for you

Precision Farming enables the very precise use of seeds, fertilisers and pesticides. The M7003 is available with automatic steering on request so that you can focus your attention even more on their application. This is also extremely useful during field work and keeps you safely on track.

With the optional automatic steering system, you can fully concentrate on making the most of your implements as your tractor actually does the steering for you! In combination with GPS, the automatic steering system reliably and precisely controls the direction and movements of the M7003 – both straight ahead and when turning.

Work in a more relaxed way and save money

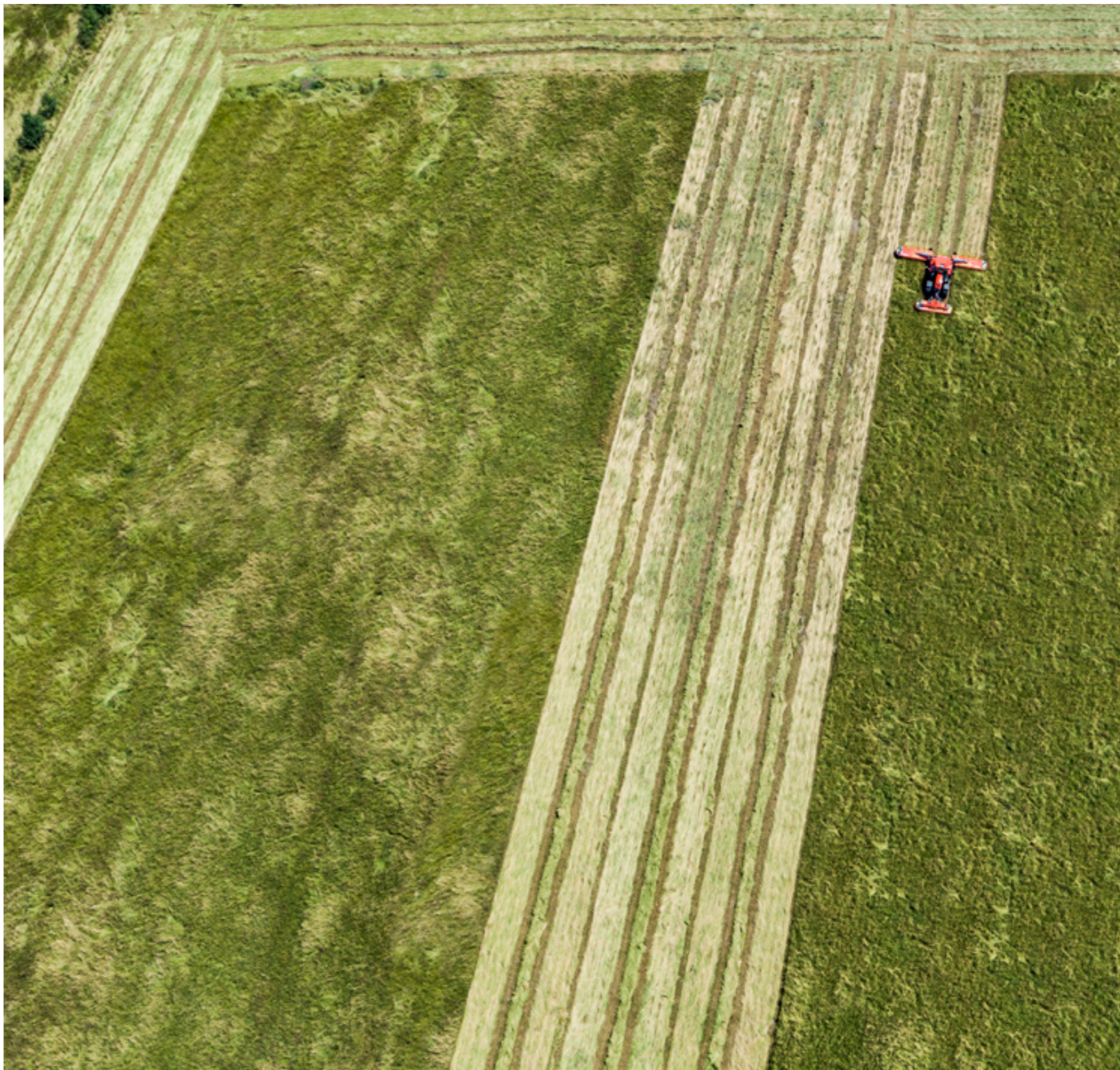
The automatic steering system not only enables efficient and accurate driving, but also facilitates your work and reduces stress. This technology enables you to work productively even at night.

And in the end, the automatic steering system also saves you money: It minimises overlaps and imperfections so that fertiliser, seed and crop protection agents can be applied more precisely. In addition, it avoids unnecessary driving, which saves you fuel.

Double is simply better

The built-in GPS allows the M7003 to record its own movements, display GPS maps on the K-Monitor and perform many automatic GPS-controlled functions. To ensure maximum possible accuracy, Kubota uses two correction signals: EGNOS (approx. 20 cm accuracy) and RTK (approx. 3 cm accuracy). The combination of these two technically mature solutions keeps you precisely on track.

With optional automatic steering, the M7003 knows where you are and which direction you're headed. If you leave the steering to the tractor, you can devote more energy to performing a range of control functions that allow even greater work efficiency and accuracy. TIM (Tractor Implement Management) technology provides additional efficiency. This system enables the implement to automatically control tractor functions, as needed.





Where the future drives with you

Kubota is the first manufacturer ever to receive the renowned AEF certification for a combination of M7003 Premium KVT tractor and BV Series TIM round baler. Now you can take advantage of the many benefits of controlling the tractor via the TIM technology.

Kubota is constantly working to develop solutions for tractor-implement combinations that help farmers to be even more efficient and productive. This includes the TIM system (Tractor Implement Management), which is a special area of focus for Kubota. Implements that control the tractor, unleash the potential of the machines and make many tasks easier for the operator – TIM has made this goal a reality. That is why Kubota will continue to work on offering more and more TIM solutions in the future.

More comfort, less fatigue

TIM can automatically perform repetitive manual actions, such as opening the tailgate of the baler or turning off the PTO. With TIM, the implement automatically gives the command to the tractor, freeing the operator from the need to do so. Semi-autonomous control allows you to concentrate fully on driving. This reduces fatigue on long working days, as you have fewer repetitive tasks to perform. TIM also increases efficiency as the system automatically detects the best times for the necessary operations, such as when the bale chamber is full or when the tailgate needs to be opened or closed. What's more, manual delays or errors are significantly reduced.

For all AEF-certified TIM implements

TIM is now available as optional equipment for all M7003 Premium KVT tractors. To use TIM, you first need to unlock the system with a licence. This can be purchased from your Kubota dealer. Here's something that might interest you: The M7003 Premium KVT can be controlled not only by Kubota's TIM round baler, but by all AEF-certified TIM implements. This gives the implements access to tractor functions such as PTO, hydraulics and ground speed.



TIM screen on K-Monitor

Making the round baler TIM-compatible

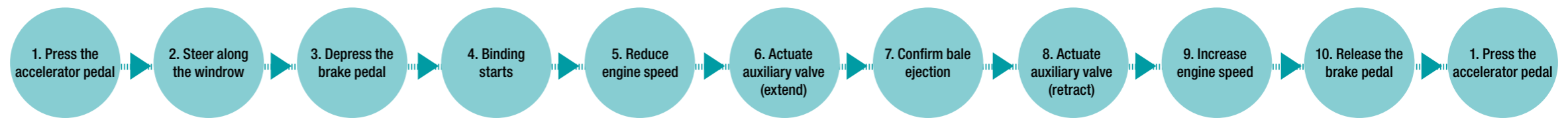
The TIM hardware is available as part of the Techno Pack for the Kubota BV Series round baler as an optional accessory. Again, you will need to unlock TIM with a licence, which can be purchased from your Kubota dealer. The BV Series TIM round baler can be used with all AEF-certified TIM tractors, not just those from Kubota.

Clear efficiency gains

Baling is one of the jobs that requires the greatest number of actions from the operator. If the operator is inexperienced or tired, the quality of the bale suffers. With the help of TIM technology, the baler can carry out some actions for the driver, which makes for a significant increase in comfort. For every 100 bales, TIM can save up to 800 manual operations. Because the baler opens the tailgate as soon as the bale is tied, this also increases efficiency, especially when the operator is tired.



Fewer actions during baling



Process sequence for standard operation: 10 steps per bale



TIM 1.3 process sequence with driving speed set by the TIM server: **2 steps per bale**

#Front loader



An innovative concept: The perfect tractor front loader combination

Working with the front loader on the M7003 means working in perfect harmony. Because, you benefit from the fact that the tractor and Kubota front loaders are seamlessly matched to each other and complement each other perfectly. This tailored combination brings you several advantages: smooth operation, first-class ease of use and highest efficiency for front loader work.

Effortless operation

Located on the armrest of the M7003 Premium models, the front loader joystick ensures smooth and effortless work. Thanks to the hydraulics, you can operate several functions simultaneously. The tipping bucket control ensures fast tipping for greater efficiency.

Mounted and dismantled in minutes

The front loader can be mounted and dismantled without tools in a matter of minutes.

Low-stress work

The Kubota KSR (Kubota Shockless Ride) vibration damping helps to minimise the vibration load.

Extended hydraulic functions

Even in the basic version, all M7003 front loaders have three standard valve functions with an optional fourth function for working with a bale grab or other hydraulically controlled front loader tools. The valve is operated via a conveniently located switch on the joystick. Hydraulic power steering with multispeed steering control offers additional benefits to make front loader work even easier and faster.

Time-saving multi-coupler

All you have to do is pull the multi-coupler lever to connect all hoses and cables quickly and simultaneously. The front loader can be mounted and dismantled particularly easily.

Did you know?

Did you know that Kubota is not only one of the top 50 most recognised brands in Japan, but also one of the largest tractor manufacturers in the world? In 2014 alone, Kubota produced more than 180,000 tractors.

Optimal view to the front

The mechanical Z-parallel guidance comes from Kubota wheel loaders and is similarly integrated into the Z-kinematics of the swing arm. This system is more robust and gives you a clear view to the front.



A new dimension in front loader work

On many livestock and mixed farms, the tractor/front loader combination is in constant daily use. Kubota developed the M7133 FL model especially to meet the needs of this type of farming. Used in combination with the matching new LK2100H front loader, this M7003 series tractor takes loader productivity to a new level.

The new LK2100H front loader and M7133 FL tractor build on the success of their predecessor pairing: the M6121 and LK2100H. Thanks to its incomparable versatility, this tractor/front loader combination caused a sensation on livestock and mixed farms, quickly proving itself irreplaceable. Until now. Today, Kubota's new tractor/front loader combination is literally taking things to a new level.

Powerful hydraulics are where it starts

The M7133 FL is supplied with three control valves operated by a powerful load-sensing hydraulic system with a high flow rate of 110 l/min. This means that you can use the tractor with the front loader just as effectively as with all types of field implements.

Easy to connect

The MACH System® makes it easy to safely connect all hydraulic and electrical lines. Even under pressure, one movement is all it takes to connect, effortlessly. MACH System® includes NS flat face couplings that eliminate any risk of pollution to the hydraulic circuits or the environment.

Revolutionary self levelling system with the PCH SYSTEM® - PATENTED

The hydraulic compensation parallelogram

The automatic implement angle is held using two perfectly integrated compensation rams, constantly connected to the dumping rams. There is no pulling above the loader arms, which considerably improves working visibility complete solution to support efficient work and comfort operation.

AUTO-LEVEL SYSTEM®

The AUTO-LEVEL automatically repositions the bucket to a preselected position, with a simple press of a button.

AUTO-UNLOAD SYSTEM®

With a single movement, the AUTO-UNLOAD System controls the simultaneous movement of the grab and the bucket: opening the grab and dumping the bucket for quick and effective emptying.

SPEED-LINK 2 SYSTEM®

Automatic hitching/unhitching of implements and hydraulic and electrical functions. The SPEED-LINK System® allows you to hitch and unhitch all of your implements without leaving the tractor. It also enables the use of the 3rd and 4th functions.



Implements for all tasks

The versatility of a tractor/front loader combination depends on the availability of a wide range of implements. That is why we offer more than 15 different accessories for the M7133 FL and its front loader, including buckets, forks and bale clamps. This gives you the freedom to select and use the perfect tool for the job at hand and ensures maximum efficiency.

Ergonomic joystick for precise control

Designed to provide accurate control of the LK2100H front loader. The Flexpilot joystick is versatile, intuitive and right where you need it. Ideal positioning and ergonomic design make it easy to work comfortably, all day long. As well as combining all the front loader controls, the joystick can also be used to control the front linkage when the loader is removed.



Always on the safe side

An investment in an M7003 is an investment in greater productivity, efficiency and quality. The Kubota warranty and a Kubota maintenance contract protect your investment just as well as the simple financing by Kubota Finance.

On the safe side for longer

Kubota tractors provide proven quality, excellent performance and harmonised features. As we are fully convinced of the M7003, you will receive a one-time manufacturer warranty of two years excl-works. Do you want to protect the value of your investment even longer? Then you can opt for the Kubota Partner warranty extension, with which we provide you with a five-year warranty for repairs.



Financing with added value

The M7003 stands for productive and pleasant work. Don't miss out on the benefits of this technology that will make an important contribution to your success. Regardless of whether you are financing, leasing or renting – with Kubota Finance, investing is simple, convenient and safe. Let professional advice, an individual service and attractive conditions convince you. With full cost control guaranteed at all times.



Maintaining value and performance in the long term

With a servicing contract you can ensure that your M7003 unfolds its full potential every day. There are five strong reasons for this: optimised operating safety, fuel-efficient operation, a top-quality machine, a higher resale value and more time for your operation as your Kubota partner takes care of your machine. By the way: If you sign a maintenance contract when you purchase a new machine, you can get the extended warranty on discounted terms.



#Technical data

Model	M7-133	M7-153	M7-173	
Engine	V6108-CR-TIEF5			
Number of cylinders/valves/aspiration	4 / 4v / turbo charged and intercooler			
Engine power output (97/68/EC)	hp (kW)	130 (95)	150 (110)	170 (125)
Max. power incl. Powerboost	hp (kW)	150 (110)	170 (125)	175 (130)
Displacement	cm ³	6,124		
Nominal Power	rpm	1,900		
Max. torque	Nm	600	689	711
Max. rpm torque	1,500			
Alternator / battery	l	150 Amp / 170 Ah (20HR) / 1000CCA		
Fuel/Ad blue tank capacity	330/38			

Variants	Standard	Premium	Premium KVT
Transmission			
Number of speeds	30 forward, 15 reverse (including creeper option: 54 forward, 27 reverse)		KVT
Top speed	km/h	40/50	
Minimum speed at 2000 RPM	km/h	2.87 (creeper 0.45)	0.05
Main shift group	6 Powershift speeds		KVT
Range Group	5-way synchronised		KVT
Shuttle shift	electro-hydraulic auto modulation		
Main clutch	hydraulic wet clutch		

Hydraulic system			
System	FIX or CCLS		load-sensing with variable-displacement pump
Pump capacity	l/min.	80 or 110	110
Control system	EHR/lower link sensor		
Category	III		
Rear linkage capacity	kg	9,400	
Front linkage capacity	kg	3,900	
Hydraulic valve type	mechanical		electro-hydraulic
Number of control valves	3 (option 4)		4 (option 5)
Rear PTO shaft speed	rear	rpm 540/540E/1,000/1,000E	
	front	1,000	

Tyres size			
Front	540/65R28		
Rear	650/65R38		

Dimensions & weight			
Overall length	mm	4,770	
Overall height	mm	3,030	
Overall width	mm	2,500	
Wheelbase	mm	2,720	
Shipping weight	kg	6,300	



Model	M7133/M7153/M7173	
A Overall length	mm	4,768
B Wheelbase	mm	2,720
C Cab height (from centre of rear axle to cab roof)	mm	2,224
D Overall height	mm	3,030
E Overall width	mm	2,500
F Track width	mm	1,900
G Ground clearance (min./max.)	mm	437/516

* Standard tyres size: 540/65R28, 650/65R38

Front loader specifications			
Loader model	LK2100H (exclusively on M7133FL)		LM2605
Maximum Height on Pivot point	mm	4,000	4,254
Maximum height under dumped bucket	mm	3,750	3,976
Digging depth	mm	200	100
Dump angle at full height	°	55	59
Crowd angle at ground level	°	52	42
Lifting capacity at implement pivot, ground level	kg	2,400	4,200
Lifting capacity at implement pivot point over the entire lifting range	kg	2,190	2,620
Payload capacity on pallet at 0.60 m out on forks at ground level	kg	2,080	3113 (at 0.8m)
Raising time	s	5.4	5.4
Dumping time	s	1	3.1

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v_1/2021



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