For Earth, For Life

Kubota

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KUBOTA
M5001 NARROW SERIES

M5091N – M5101N



Fresh thinking is the answer to today's challenges

The challenges facing the agricultural sector are becoming increasingly bigger, 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.

Tough times need unexpectedly tough performance

When it becomes increasingly more difficult to be successful, the time has come to take an uncompromising approach. 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 4 years. Surprised?

2012 Kubota acquires the Kverneland Group

2014 Market launch of the M7001 series and the Kubota implements programme.

2015 Opening of a new production plant in France

2016 Kubota expands its implements division with the aquisition of Great Plains

2020 Launched the brand new M6002 Series to the European market

A future-oriented portfolio doesn’t end with tractors



The requirements in agriculture are not only high, but also comprehensive and diverse. Fortunately, Kubota has exactly the right solution for every task—and from a single source. With a huge implements programme on the market and the Kubota ISOBUS production, we are your partner who thinks ahead and makes things possible. All machines and processes are perfectly compatible with each other and guarantee the highest level of quality and efficiency, not to mention future viability.

#Highlights



Kubota Farm Solutions

360° performance for 100% success.

We understand that you need more than a powerful tractor to succeed: namely, an integrated system of products and services to increase your competitiveness and preparation for the future. With Kubota Farm Solutions, we have brought together our solutions in a system – and targeted our proposition to you. From intelligent technology to individual services, the Kubota Farm Solutions advantages complement each other, forming a circle that ends where it begins: with our commitment to support you a little better every time, now and in the future.



The M5001N can be simply retrofitted as an ISOBUS tractor in order to make use of the great advantages of precision farming.

The large, comfortable flat floor cab enables pleasant and productive work. All controls are ergonomically positioned within easy reach of the driver.

With a lifting capacity of 2,300 kg, the M5001N lifts heavy implements with ease.

The modern 4 cylinder engines with 93 to 105 HP deliver the necessary power for all maintenance and transport work.

An excellent 55° steering angle and the unique “bi-speed turn” by Kubota give the tractor unparalleled manoeuvrability. This results in an excellent turning radius of 3.95 m.

The two transmission variants of the M5001N provide everything that is needed for effortless usage in orchards and vineyards.

Performance
The M5001N is a highly productive professional vehicle for demanding operations. In vineyards and orchards, it is characterized by high agility, versatility and impressive performance.

Control
With the optional IsoMatch Tellus monitors, you can turn your M5001N into an ISOBUS tractor. In this way, you can take your work efficiency to a new level, saving time and resources, and therefore also money.

Optimisation
Retrofit sets make the M5001N fit for Precision Farming. Take advantage of the many possibilities offered by this state-of-the-art technology for the efficient and environmentally friendly management of your land.

Value Protection
Kubota tractors offer proven quality and excellent performance. A maintenance contract helps to protect your investment in the long term. Kubota also offers you a three-year warranty on the M5001N, which you can optionally extend to five years with a Kubota Partner warranty extension.

Finance Management
The M5001N stands for productive and pleasant work. With Kubota Finance, you can invest in technology that will make an important contribution to your success.



Performance you can rely on

The M5001N has a variety of tasks to fulfil. This is where reliable power is a must. The tractor's powerful engine comes with modern, proven technology, which also scores points when it comes to the environment. Now you can take care of all maintenance and transport tasks with confidence.

A strong heart beats under the bonnet of the M5001N. The new V-3800 TIE 4F 4-cylinder engine with 3B emission level provides between 93 and 105 HP (according to 97/68 EC). The models M5091N (92-93 HP) and M5101N (103-105 HP) are available both as cab tractors. This is made possible by Kubota's worldwide leading position in diesel engine technology. The outstanding reliability, strength and cleanliness of the engines of the three models will impress you.

Clean technology
The diesel particulate filter in the new engine reliably reduces emissions. The two electronic engine settings provide convenient quick adjustments for repetitive work, which is not only useful, but also saves time.

Convenient speed monitoring
The engines also have a new electronic speed control with which you can control the speed of the engine. Once the RPM mode system has been activated, the speed remains constant, even when the demand for power varies. As a result, PTO-driven implements can be run with constant efficiency.

Your operations are bound to include a number of recurring tasks, such as certain PTO-driven jobs. That is where the integrated speed memory comes into play. You can call up the respective settings with the push of a button, and you're ready to go, without any further adjustments.

New fuel tank
The M5001N provides a further innovation when it comes to the fuel tank: Instead of three tanks, like its predecessors, it has only two large tanks on the bottom side of the cab. This provides not only more capacity and thus longer usage times, but also higher tank comfort. An additional plus: The new tank design gives you better visibility towards the rear, as a rear tank is not required.



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.

Smooth gear shifting even under harsh conditions

Kubota's M5001N is available in two transmission versions. Both transmissions meet all the requirements for a tractor in this class, and do so literally with ease. They can be shifted extremely gently and provide harmonized, practical gear ratios.

With the Kubota M5001N, you can choose between two type of transmissions: one transmission with 18 forward and reverse gears and a comfort transmission with 36 forward and reverse gears with dual-speed powershift speeds. Regardless of which one you choose – it'll be a good choice. With great efficiency at low and high speeds, the finely harmonized and smooth shifting transmissions stand for shifting pleasure, reliability and economy. Another improvement is the non clutch button as standard feature on the 36/36 gearbox, the non clutch button supports the operators comfort with easy gear shifting, just press the button and shift among the 6 gears.



Lightening-fast gear shifting with loads
The dual-speed technology of the 36F/36R transmission enables Lightening-fast upshifting and downshifting. With increasing load in the Hi position, you simply press the Dual Speed button on the shift lever. The driving speed is then reduced and the torque increased.

Safe driving
Kubota has now positioned the parking brake in the M5001N separately from the shift lever. You can therefore pull the brake in a flash and release it again just as quickly.

Practical bi-speed turn
From a steering angle of about 35° the Kubota bi-speed steering increases the peripheral speed of the front wheels. The result is an extremely tight turning radius, which enables you to enter into rows at first attempt or to easily manoeuvre around obstacles.

Driving fast and saving fuel
The overdrive function of the transmission keeps the engine speed low when driving at high speeds. The 40-ECO transmission gets you to your destination quickly while at the same time saving fuel and reducing the noise level.



Precise coupling of machinery
The drive clutch can be operated very precisely for coupling machinery. For such slow manoeuvres, you can use the clutch pedal to control a electro-hydraulic valve, which releases the clutch gently and precisely. This ensures easier, lower fatigue operation. Even coupling during gear change is simplified, as the clutch is engaged with a fingertip, increasing comfort, particularly when frequent gear shifting is required.

Easy change of direction
Thanks to the electro-hydraulic shuttle lever of the M5001N, you can change direction quickly and easily without using the clutch. You simply have to move the electro hydraulic shuttle lever forward or backward.



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.

#Hydraulics

The M5001N lifts heavy loads with ease

Crop care work with spreaders and spayers, vineyard field maintenance with trimmer and leaf remover – a narrow tractor has a lot to carry. In order to shoulder even heavy loads easily, and to operate equipment safely, Kubota has equipped the M5001N with powerful lift linkage and hydraulics.





More power and performance for all tasks is the motto for the lift linkage of the M5001N. Thanks to its stable category II 3 point hitch, the tractor can lift heavy equipment with ease. 2,300 kg lifting capacity speaks for itself'. You will really appreciate the additional lifting capacity in areas where your previous tractor reached its limits.

Increased flexibility of hydraulics
When it comes to the hydraulic system, the cab version of the M5001N gives you a choice. You have the option of extending the number of hydraulic connections on the front and rear of the tractor from the standard two to five. Five hydraulic connections with flow control enable you to carry out various tasks at the same time with a single implement using up to five control units – which greatly simplifies even the most demanding tasks. Kubota has also provided the M5001N with a stronger hydraulic pump. The increased capacity of up to 69 l/min for the M5101 cab model is the basis for increased productivity and performance.

Electro hydraulic PTO
The independent 540/540E PTO comes as standard and can be turned on or off at the switch of a button. A 1000 PTO speed shaft is also optionally available. The PTO engages itself in a self-modulating fashion so that even heavy equipment runs smoothly. If you switch off the rear PTO, the PTO shaft brake is activated automatically and the implements stop safely. The operator can activate the ECO PTO speed which automatically sets the engine speed revolution to the right rpm value in order to protect any damage on the PTO line.











Your command centre for long working days

Big, very spacious, with perfect ergonomics – the comfortable flat floor cab of the M5001N provides all the prerequisites for pleasant and productive work. In that way, you can fully concentrate on your job and achieve the best results, without having to make any compromises in terms of comfort.

Kubota has given the new M5001N a cab that provides a host of superlatives: unique spaciousness, exemplary work environment, excellent all-round visibility. The development of the cab focused clearly on one of your main demands: namely high quality of work and comfort. Proven components and smart improvements make the cab your efficient command centre for long working days. Increased comfort with Flat floor cab – the new designed flat floor cab delivers also more comfort on the ground with more increased leg space and no obstacles between your feet.

The steering wheel – an all-round success
The M5001N's handy steering wheel can be tilted by 40°. When getting out, you simply tilt it forward and when you sit back in your seat, you can quickly bring it back into the original position. You merely have to press a pedal. The level cab floor makes getting in and out even easier. The steering wheel angle has been optimized by Kubota – one of several intelligent innovations in the cab. This gives you even better forward visibility and an improved view of the dashboard.

Optimal control and operation
Speaking of the dashboard: Kubota's multifunctional Intellipanel, with multiple views and excellently readable LCD display, provides you with all important operating data and functions at a glance. Operating the tractor is as easy as it gets: All important controls are located on the right side of the driver's seat – easy to reach and ergonomically positioned for safe operation.

Rounded windows
In order to give you an even better view on all sides, Kubota has rounded the cab windows. A positive side effect of this new feature: The cab of the M5001N feels even bigger than it already is. Furthermore, reflections are reduced. And Kubota has also increased the glass area of the cab door, which makes getting in and out of the cab even easier.

Pleasant climate at all times
The standard air conditioning and powerful heating system of the M5001N ensure pleasant temperatures in the cab in all seasons – so you keep a cool head on hot summer days and feel pleasantly warm on chilly mornings. The low-vibration cab provides additional comfort through the reduced interior noise. You want to enjoy a breeze of fresh air? No problem, both rear windows can be opened widely.

Optimally designed for fruit, wine & co

When working in row crops, for example in fruit and wine growing, high manoeuvrability is one of the defining aspects of a good tractor. Its excellent manoeuvrability, paired with high driving stability and safety, make the M5001N the tractor of choice for such crops.



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.



Power crawler as option available for even more traction

The front axle with bevel gear drive and a steering angle of an astounding 55° give the M5001N unique agility. This makes the tractor ideal for jobs in tight spaces. Kubota has now been using front axles with bevel gear drives for over 30 years. For good reason, as this combination is not only responsible for the extremely tight turning radius, but also does not require high-maintenance universal joints.

Soft, soil-preserving turning
The "bi-speed turn", provided only by Kubota, makes turning even easier. If the steering angle of the front wheels exceeds a value of 35°, when using all-wheel drive, the speed of the front wheels almost doubles compared to the rear wheels. This results in softer and tighter turning that is particularly gentle on the ground. You've got the choice of working with or without "bi-speed turns".

High ground clearance and driving stability
It's front axle also gives the M5001N high ground clearance that is among the best in its class. This is particularly useful when dealing with permanent crops such as fruit and wine, where sawn wood in the rows is no longer an obstacle. The 80 mm longer wheelbase provides additional stability as well as more comfort when driving the tractor. Adjustable overall width from 1,250 mm to 1,940 mm ensures safe working in steep terrain.

All-wheel drive easily turned on and off
The all-wheel drive is engaged and disengaged with the simple press of a button. And the best part is that the tractor doesn't even have to be stopped, even when switching from the field to the road. This helps you stay productive, and an LED indicator shows you the current status. When the brake is applied, the all-wheel drive is automatically engaged for better braking power.

No chance of slippage
The limited slip differential on the front axle and the differential lock on the rear axle come as standard with the M5001N. They provide increased stability and traction as well as a smooth ride in challenging soil and terrain conditions, even in the case of slippage.



#Precision Farming

Precision that pays off

Any excess fertilizer or pesticide applied is a waste of money. With our precision-farming solutions, the ISOBUS technology, you save money through precise parallel tracking. And what's more: This state-of-the-art technology can also provide lasting help with your documentation requirements.





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 certifified ISOBUS compatibilites.

AEF Certified ISOBUS www.aef-isobus-database.org

Increase your work efficiency to a new level and make your M5001N an ISOBUS tractor with retrofit kits. This then allows you to fully use any ISOBUS equipment available on the market*.

Easily adjust ISOBUS implements
Via the connection at the rear of the tractor, you can have the ISOBUS equipment shown in the cab on the ISOBUS-certified IsoMatch Tellus Pro 12" or Go 7" monitors. All device settings can be carried out from the comfort of your seat using the touch screen display. You adjust the monitors to suit your individual requirements.

The two operating terminals are certified in accordance with ISO 11783, the ISOBUS certification for tractors and equipment. A K monitor can display up to four cameras. Shortcut switches enable you to switch directly between screens. The IsoMatch Tellus Pro 12" can display two different functions simultaneously on two screens or even two different ISOBUS machines.

Steering assistance
The ISOBUS technology also provides further valuable assistance, for example through the manual steering guidance of the M5001N, which is indicated by an LED bar on the terminals.

*Subject to software/hardware compatibility. For more information refer to www.aef-isobus-database.org

#Precision Farming

Great progress for narrow tractors

With the help of retrofit kits, you can also benefit from the enormous advantages of precision farming with the narrow tractors of the M5001N Series. Additional efficiency is provided by the electric steering wheel, which keeps the tractor perfectly on track while you are operating the respective implement.

Complete traceability
With the retrofit IsoMatch Tellus monitors Pro 12" or GO 7", you can make the narrow track M5001N Series tractors into ISOBUS tractors. This allows you to trace everything you have done in the field fully and precisely. Kubota gives you a perfect solution that allows you to check – even while you are driving – that the tractor has completed all the required tasks. The exact documentation is also an additional plus for your safety.

The tractor does the steering
The new optional Kubota electrical steering wheel now also enables automatic steering with the narrow M5001N series tractors. A further advantage: The electrical steering system can be simply remounted from one tractor to another. This useful technology is therefore available to several tractors. It gives the driver perfect working convenience, as they can now devote their attention entirely to the use of implements and do not have to worry about steering – true to the motto: Let the tractor do the driving, and concentrate fully on the work at hand.

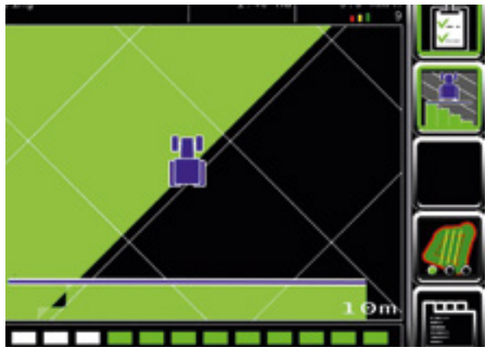




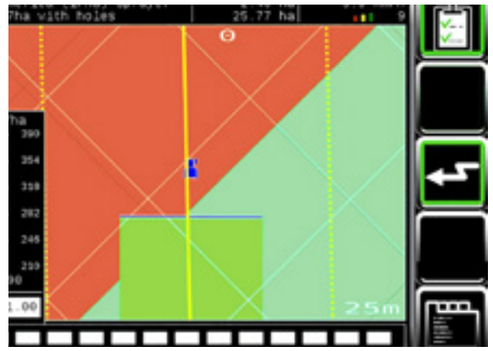




Furthermore, two important precision farming functions are made available through the retrofit monitors:



Section control:
With the automatic section control license, the implement is able to manage the opening and closing of the sections by itself. This saves costs and increases driver comfort.



Variable rate:
With the automatic variable rate license, the implement is able to independently manage the application rate in combination with prescription maps. This increase the yield per hectare, saves costs and increases driver comfort.

Always on the safe side



An investment in an M5001N is an investment in greater productivity, efficiency and quality. The Kubota warranty and a Kubota maintenance contract protect your investment just like the simple financing by Kubota Finance.

Safer for longer
Kubota tractors provide proven quality, excellent performance and harmonized features. As we are fully convinced of the M5001N, you will receive a one-time manufacturer warranty of three years ex-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 give you a five-year warranty for repairs.





Long-term preservation of value and performance
With a servicing contract, you can make sure that your M5001N gives it all it's got every day. There are five strong reasons for this: optimized operating reliability, 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.

Financing and added value
The 5001N stands for productive and at the same time pleasant working. 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 assure you. With full cost control guaranteed at all times.



#Technical data

Model		M5091N	M5101N
		Cab	**Cab**
Engine		Kubota	
Engine Type		V3800-CR-TIE4	
Diplacement/No. of cylinders	cm^3	3,769/4 valves	
Rated speed	rpm	2,600	2,600
Rated Power (97/68/EC)	hp	93	105
Maximum torque	N.m		
Engine speed for max torque	rpm	1,500	
Fuel Tank capacity	l	76	
Transmission			
Type – Main gear shift		6 speed synchronised	
Range gear shift		3	
No. of speeds		F18/R18 F36/R36 with Dual speed	
Max. Travelling speed	km/h	40 Eco	
Overdrive	Engine rpm	2,095	
Shuttle shift		Microprocessor-controlled electro-hydraulic shuttle	
Main clutch		Multiple wet disc, electro-hydraulically operated	
Brake type		Hydraulically operated wet disc brakes, with automatic front axle engagement (4WD)	
4WD engagement		Electro-hydraulic w/ Bi-speed	
Rear Differential lock		Mechanical type	
PTO			
Speed	rpm	540/540 Eco; Option 1,000	
Activation		Electrohydraulic	
Hydraulics			
Pump capacity	l/min	69	69
3-point hitch (Category II)		Quick-hitch lower link ends, telescopic stabilisers	
Control system		Position and draft control	
Lift capacity at lift end	kg	2,300	
No. of hydraulic valves and type		Standard: 2 Max: 4 without flow control Max: 5 with integrated flow control	
No. of optional front hydraulic outlet (option)		5	5
Standard tyres size	F/R	F:280/70R18, R:440/65R28	
Dimensions & weight			
Overall length	mm	3,950	
Overall height (folderable DTH)	mm	2,360	2,360
Overall width min. - max.	mm	1,250–1,800	
Wheelbase	mm	2,130	
Tread width front	mm	1,035–1,329	
rear	mm	936–1,468	
Turning radius (w/o brake)	m	3,950	
Tractor weight	kg	2,700	2,700

#Notes

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