




For Earth, For Life  
**Kubota**

**M**

## **KUBOTA M5001 NARROW SERIES**

M5071N – M5091N – M5101N





**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 tractor is shown from a low angle, moving through a field of dry grass and small yellow flowers. The tractor is kicking up a cloud of dust from its rear wheel. In the background, there are several large, leafy trees under a bright blue sky with scattered white clouds. A semi-transparent teal box with white text is overlaid on the left side of the image.

**Tough  
times need  
unexpected  
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.**

**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 acquisition of Great Plains

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?



**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

# M5001N: the lean performer

The Kubota M5001N is the highly productive professional vehicle for demanding wine and fruit growers. The compact narrow tractor knows to impress in vineyards and orchards with maximum agility, versatility and an impressive performance. Its cab guarantees perfect all-round visibility and excellent comfort for long work days. Take advantage of its qualities to achieve best results in all conditions.



<p><b>Extremely powerful</b></p> <p>The modern 4 cylinder engines with 73 to 105 HP deliver the necessary power for all maintenance and transport work.</p>	<p><b>Environmentally friendly</b></p> <p>The two transmission variants of the M5001N provide everything that is needed for effortless usage in orchards and vineyards.</p>	<p><b>Exceptionally strong</b></p> <p>With of a lifting capacity 2,300 kg, the M5001N lifts even heavy implements with ease.</p>			<p><b>Uniquely agile</b></p> <p>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.</p>	<p><b>Pleasantly spacious</b></p> <p>The large, comfortable flat floor cab enables pleasant and productive work. All controls are ergonomically positioned within easy reach of the driver.</p>	<p><b>Rewarding precision</b></p> <p>The M5001N can be simply retrofitted as an ISOBUS tractor in order to make use of the great advantages of precision farming.</p>
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# 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 73 and 105 HP (according to 97/68 EC). The models M5071N (73 HP), M5091N (92-93 HP) and M5101N (103-105 HP) are available both as cab tractors as well as DTH tractors (open platform with roll-over protection bars). 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.

### With an extra kick of power

The M5071N has a sizeable 3.8 l engine under the bonnet – which is unique in this horsepower class, and gives the model the right power for all jobs. The DTH tractors also have a special feature, they actually reach their maximum performance at 2,400 rpm, rather than at 2,600 rpm like the cab tractors. You will surely appreciate the lower noise level.

### 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. The tank of the DTH tractors holds 76 l, and is therefore even bigger than the previous versions. An additional plus: The new tank design gives you better visibility towards the rear, as a rear tank is not required. And since there are two tanks instead of three, the fuel gauge is also more accurate.

### 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.



## Lightning fast gear shifting with loads

The dual-speed technology of the 36F/36R transmission enables lightning-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



## 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.

releases the clutch gently and precisely. This ensures easier, less tiring operation. Even coupling during gear change is simplified, as the clutch is engaged with a fingertip, thus 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.



# 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 speak for themselves. 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. Three front hydraulic outlets are available for the front and rear hydraulics for the M5001N series DTH tractors. 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 M5001 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.

## 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 Intel-panel, with multiple views and excellently readable LCD display, provides you with all important operating data and functions at a glance. And 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.



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.

#### 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.



# 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 absolutely 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 certified ISOBUS compatibilites.



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.

# 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.



## Performance

You have a clear objective: to get your work done productively and successfully while being relaxed. Kubota offers you the equipment that can best support you in this endeavour. Whichever tractor or implements you decide on, you can always count on proven quality, excellent performance, and co-ordinated features. In short: intelligent and reliable technology that gets you a decisive step closer to your goal.



## Control

You want full control over what you are doing. Kubota provides you with perfectly integrated systems to help you achieve that. From machine optimisation to implement monitoring, you can control the tractor and resources easily from a single terminal. This not only provides you with a better overview of all work processes, but also allows you to work without stress.



## Optimisation

You know exactly how you want to get your work done: efficiently, precisely, and most comfortably. Kubota gives you everything you need to obtain optimal results while remaining at ease. With our ISOBUS technology, precision farming solutions, and automatic steering system, you can apply seeds, fertilisers, and pesticides with extreme precision. This lowers your costs and reduces your workload.



## Value protection

You know what it takes to be commercially successful: top performance with every task and top conditions over many years. Once again, Kubota offers solutions that fulfil what they promise. Your Kubota tractor is already protected by 2 year manufacturer warranty right from the start. If you want, you can even extend your warranty to protect the value of your investment, avoid expensive downtimes, and remain profitable over the long term.



## Finance management

You want to improve your productivity, but not at any cost. With Kubota Finance, you can make your planned investment with ease, convenience, and safety. Whether financing or leasing, you benefit from professional advice and attractive conditions. All you need in order to gain the advantages of a technology that drives your success forward. Whether you need machines or services, you have full control of the costs.

#Technical data

Model		M5071N		M5091N		M5101N	
		DTH	Cab	DTH	Cab	DTH	Cab
Engine		KUBOTA					
Engine Type		V3800-CR-TIE4					
Displacement/No. of cylinders	cm³	3769 / 4 valves					
Rated speed	rpm	2400		2400	2600	2400	2600
Rated Power (97/68/EC)	hp	73		92	93	103	105
Maximum torque	N.m	270		293		342	
Engine speed for max torque	rpm	1500					
Fuel Tank capacity	l	76					
Transmission		KUBOTA					
Type – Main gear shift		6 speed synchronised ; Option : Dual speed					
Range gear shift		3					
No. of speeds		F18 / R18 F36 / R36 with Dual speed					
Max. Travelling speed	km/h	40 Eco					
Overdrive	Engine rpm	2095					
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 1000					
Activation		Electrohydraulic					
Hydraulics							
Pump capacity	l/min	63		69		63	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	2300					
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)		3	5	3	5	3	5
Standard tyres size	F/R	F:280/70R18, R:440/65R28					
Dimensions & weight							
Overall length	mm	3950					
Overall height (folderable DTH)	mm	1415	2360	1415	2360	1415	2360
Overall width min. - max.	mm	1250 - 1800					
Wheelbase	mm	2130					
Tread width front	mm	1035 -1329					
rear	mm	936 - 1468					
Turning radius (w/o brake)	m	3950					
Tractor weight	kg	2700	2500	2700	2500	2700	2500



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