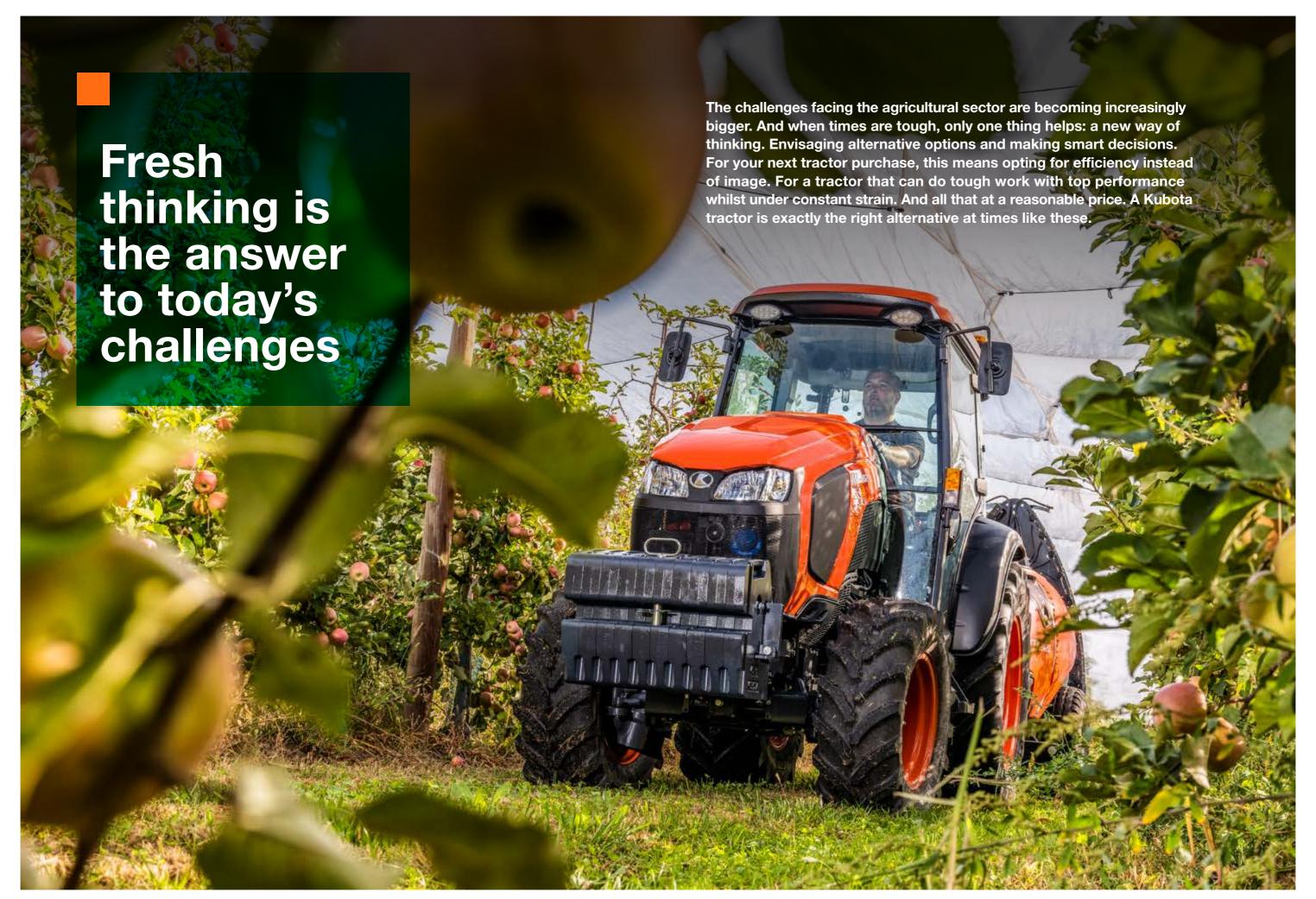
For Earth, For Life Kubota



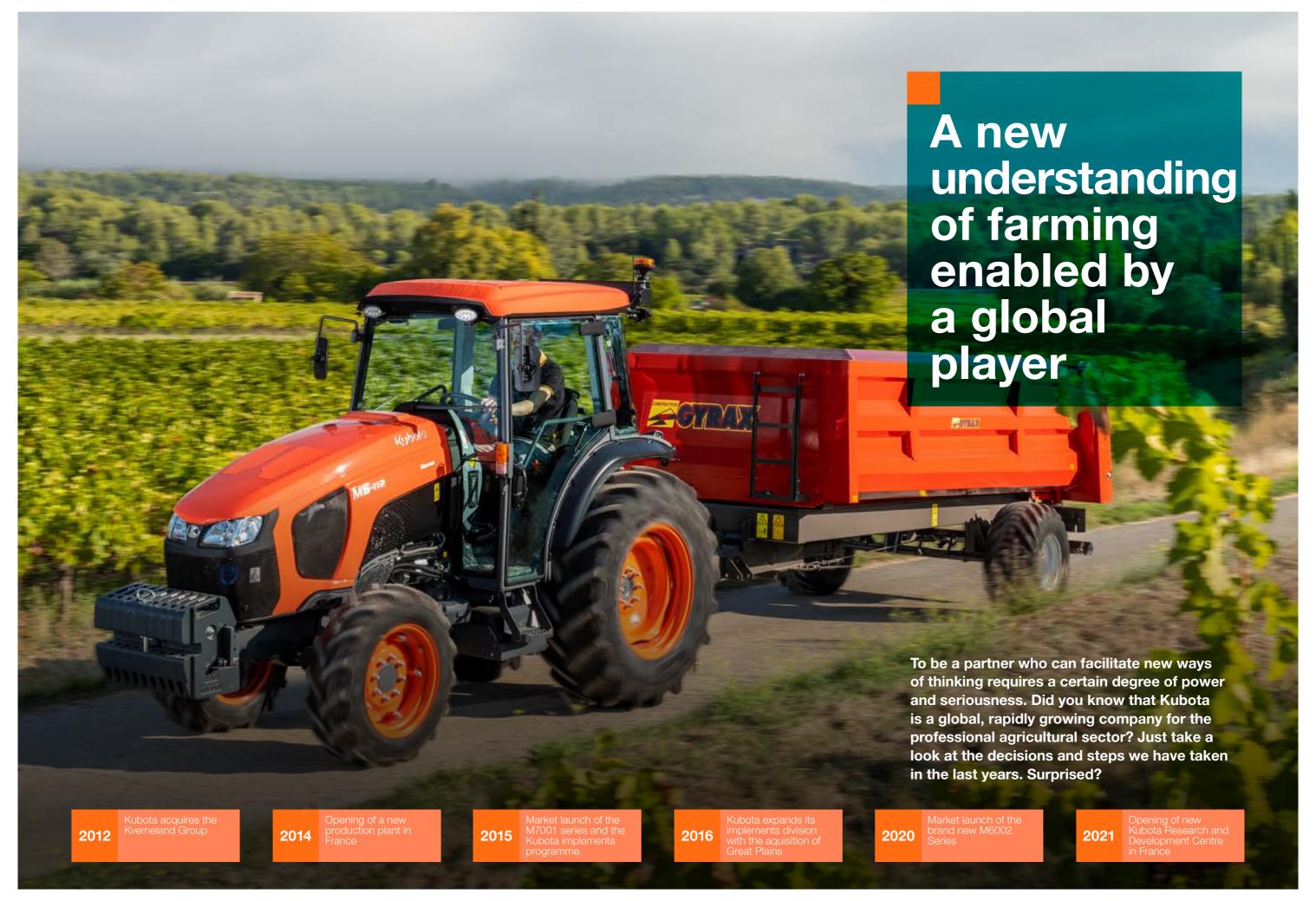
KUBOTA M5002 NARROW SERIES

M5-072N - M5-082N - M5-092N - M5-102N - M5-112N









#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 optional Cab Cat IV kit will protect the driver during crop care tasks. The active ingredients of the plant protection

Available also as ROPS Version



Performance

The N5002N is ideal for professional use in vineyards and orchards. Thanks to its bi-speed function, it has an excellent turning circle and great manoeuvrability, which together with its low weight make it ideal for use in tight rows.

Control

With the optional IsoMatch Tellus monitors, you can turn your M5002N into an ISOBUS tractor. In this way, you can take your work efficiency to a new level, saving time and resources, and thus also money.

GEOCONTROL

GEOCONTROL is integrated in the Isomatch Tellus Monitors. In combination with a GNSS receiver, this feature enables section control & variable rate applications.

Value Protection

Kubota tractors offer proven quality and excellent performance. With a maintenance contract, you can protect your investment for years to come. What's more, Kubota offers you up to five years warranty for the M5002N.

Finance Management

The M5002N stands for productive and pleasant work. With Kubota Finance, you can invest in technology that will make an important contribution to your success.

#Engine



Optimised for maximum efficiency

The 4-cylinder engine meets European Stage V emission standards, delivering power you can rely on and a high level of efficiency. Its optimised engine technology ensures not only lower fuel consumption and emissions but also reduced maintenance costs thanks to longer service intervals.

Look under the hood of the M5002N and you will find exciting state-of-the-art technology. More specifically, the combination of an SCR system, diesel particulate filter (DPF), and diesel oxidation catalyst (DOC) is perfect for lowering fuel consumption and emissions while also lessening your maintenance burden.

The M5002N series is available in two different bonnet designs, the cab version is excellent for vineyard applications with great visibility towards the front axle and front-steering area. The ROPS version has a special low-profile design to enable you to work in areas where space is limited.

Reduced consumption and maintenance

As well as cutting nitrogen oxide emissions, the optimised DOC also ensures continuous minimum regeneration of the DPF. By boosting the DPF's filtration performance, high injection pressure can be achieved at low engine speeds, making the DPF even more efficient and effective. Its cleaning intervals have been doubled to up to 6,000 hours, halving the time you need to spend on maintenance. Kubota has also improved DPF regeneration. The result? Lower fuel consumption and less noise.

Highly efficient fuel injection

The electronically controlled common rail system generates a maximum injection pressure of 2,500 bar regardless of engine speed. Four valves per cylinder and the central direct injection system (E-CDIS) optimise the swirl level to produce the ideal fuel—air mixture. This results in low fuel consumption and minimal operating noise in addition to high power and torque output and cleaner emissions.

Highly efficient and comfortable operation

Two easily adjustable speed presets are designed for intelligent engine speed management. They can be used to improve engine acceleration and fine-tune engine speed when tasks demand high precision, facilitating headland turning manoeuvres. Constant engine speed management is another major benefit as it keeps the engine speed more or less steady despite load fluc-tuations. The feature is easy to use and ensures efficient, stable operation when performing haulage and PTO tasks.

Low maintenance costs

Maintenance work on the M5002N is quick and straightforward. Thanks to its one-piece bonnet, all the maintenance points are readily accessible. You don't need any tools to carry out maintenance tasks. The large radiator grille ensures the smooth intake of air into the radiator, which is protected against fouling with straw by an easy-to-clean shield. Optimum cooling performance is the result. And here's something else you'll like: the engine oil only needs changing once every 500 hours.

Large protected tank

The fuel tank has an impressive 76-litre capacity, ideal for extended working hours without having to stop to fill up. And when you do need to refuel, the easily accessible filler pipe makes the process very quick. The tank is also protected against stones and impacts—useful for jobs that may involve contact with the ground. The 6.5 I AdBlue tank is fully protected from obstacles under the bonnet



Smooth gear shifting even under harsh conditions

Kubota's M5002N 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 M5002N, 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 cab version with 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. The minimal speed is 260 m/h at rated engine speed.

Safe driving

The parking brake in the M5002N is separately positioned 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, 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 M5002N, 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 M5002N 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 M5002N with powerful lift linkage and hydraulics.





More power and performance for all tasks is the motto for the lift linkage of the M5002N. 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 M5002N 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 M5002N with a strong hydraulic pump. The capacity of up to 69 l/min for the M5002N 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

Full power transmission to the trailer

The M5002N is also optionally available with a ground speed PTO. It allows full power to be transmitted from the tractor to the trailer, transforming them into a 6×6 combination. This ensures maximum traction when driving up and down hills and in wet conditions. The axles and gearbox are subjected to less stress, reducing the need for maintenance. With heavier trailers, you can also save fuel with the ground speed PTO, because towing operations require less horsepower.







Your command centre for long working days

Big, very spacious, with perfect ergonomics – the comfortable flat floor cab of the M5002N 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 M5002N a cab that provides a host of superlatives: unique spaciousness, exemplary work environment, excellent all-round visibility. Talking about visibility, the M5001N Series comes standard with LED working lights. 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 new silent block of the cab has been re-designed and increased to minimze vibrations and noise from the powertrain.





The steering wheel - an all-round success

The M5002N'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. 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 M5002N 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 M5002N 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.

Provides a high level of safety

With the M5002N, you can work safely as well as in comfort. In orchards and vineyards, it is often necessary to apply plant protection products. To prevent the driver from coming into contact with these products, the tractor is optionally equipped with a category IV cab in accordance with the specific UNI EN 15695-1:2018 standard. The cab's powerful ventilation system with its certified activated carbon filter provides reliable protection against poten-tially harmful substances.





For unobstructed views

The M5002N is also available as a DTN version with roll bar. The advantages of these cab-free tractors are obvious: unimpeded access to and from the vehicle, as well as a perfect view of the implements and the area and culture that is being worked on.





Simple handling of roll bar

The position of the roll bar can be conveniently folds out or in – which is practical if a lower height is required, for example at low building entrances. You can fold in the roll bar simply and effortlessly with two easily accessible pins. You merely have to loosen the pins, just adjust the bar and fix it again – done! The ROPS model has been specifically designed to meet applications which require a low machine height. That's why you will get a different bonnet design on the ROPS, to meet low-profile needs. Moreover, the new dashboard design is fully integrated inside the bonnet to protect it from any damages.

Ideal ergonomics and water-resistance

The control elements of the DTN models are conveniently located on the right side, next to the driver's seat. All switches and levers are ergonomically optimized and are particularly comfortable to operate. The new dashboard of the tractor is designed to give you an unobstructed view ahead. Since tractor work does not come with a fair-weather guarantee, all instruments and controls are of course, absolutely watertight. Even heavy downpours will not cause any problem.



Optimally designed for fruit, wine & co

When working in row crops, such as orchards and vineyards, outstanding agility is the mark of a good tractor. The M5002N's excellent manoeuvrability, coupled with high driving stability and safety thanks to its sprung front axle, make it the number-one choice when cultivating crops like these.





The front axle with bevel gear drive and a steering angle of an astounding 55° give the M5002N 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 M5002N 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 differential lock on the rear axle come as standard with the M5002N. It provides increased stability and traction as well as a smooth ride in challenging soil and terrain conditions, even in the case of slippage.

Sprung front axle delivers attractive benefits

The new M5002N is fitted as standard with a sprung front axle, which boasts three compelling technical features. Two large accumulators protect the system from impact loads, while the long 95 mm travel ensures optimised suspension performance. The long support below the axle has also been cleverly designed to increase stability and provide better shock absorption. The result? A smoother ride and greater tractor stability and productivity. Permanent contact with the ground, regardless of the steering or swing angle, also contributes to improved road safety.

Customisable suspension

And the best part? You can adjust the front axle suspension to suit your individual preferences and needs using the two dedicated buttons.

The front axle suspension management switch allows you to choose between three operating modes: OFF, ON, and AUTO. In OFF mode, the cylinders are fully retracted and a third accumulator keeps the axle rigid. ON is the mode for general tasks, because it allows the front wheel suspension to remain active over the tractor's full speed range. In AUTO mode, the front axle suspension engages automatically depending on driving speed and traction or position control. Selecting the best setting for the situation makes driving in the field and on the road more comfortable for you, and puts the tractor components under less mechanical stress.

The second switch allows you to fine-tune the damping behaviour of the front axle suspension to suit the implement, ground conditions, and type of work. In FIXED mode, the suspension is set to be stiffer with less responsive motion—ideal when working with heavier implements. In NORMAL mode, the front axle suspension automatically selects the optimum amount of damper movement needed for a smooth ride. In SOFT mode, the suspension responds more quickly for a smooth, comfortable ride on rough road surfaces.



#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 absolutely precise parallel tracking. And what's more: This state-of-the-art technology can also provide lasting help with your documentation requirements.







Increase your work efficiency to a new level and make your M5002N 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.

Major cost and time savings

GEOCONTROL is integrated into the 7"& 12" K-Monitors. In combination with a GNSS receiver, this feature enables part width section control and part area specific application of fertilisers, pesticides and seeds. This saves

you time and consumables and reduces your costs. At the same time, it makes a smaller impact on the environment. Additional time-savings are achieved by the headland management system, which automates the entire operating sequence on the headland and also forms part of this solution.

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. Therefore 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. This helps to increase yields per hectare, save costs and improves driving convenience.

Getting the most out of your tractor, long term

Kubota makes your life easier and our extended Kubota Care Extended Warranty keeps your tractor running as smoothly as it did on day one. This ensures that the value of your machine is reliably protected, far into the future.



The Kubota name is widely respected for representing top Japanese quality. All Kubota machines are designed for the toughest working conditions and long running times. Even so, it is impossible to avoid unforeseen damage over the years. With Kubota Care, you can easily cope with the risk of unexpected costs in the future. At the same time, you can avoid unplanned downtime and stay profitable over the long term.

Comprehensive services

Kubota Care is a comprehensive warranty extension to protect your investment by ensuring a high resale value. The package includes all components covered by the contractual warranty. In the event that a warranty repair is necessary, you are naturally protected from paying any excess.

The perfect solution

Kubota Care takes one potential worry out of farming life. This service package offers you maximum operational and cost security as well as complete protection beyond the usual warranty obligations. Kubota Care provides you with a fully extended warranty of up to 5 years or 5,000 operating hours (whichever comes first).

Full Warranty Coverage

What does Kubota Care cover?

Kubota Care is a comprehensive warranty extension that covers all components which are covered during the contractual warranty. And if a warranty repair is necessary of course no deductible will be charged from you!



Kubota Care Benefits



Price Increase Protection

Protects you against
Inflation

- <u>I</u> іппа
- VAT
- Parts
- Labour Prices



Genuine Parts

Protects your machine through exclusive usage of Kubota Genuine Parts.

Kubota Parts and Service
Reliability for the Job Ahead



Cost Protection

In the case of a warranty claim there will be no additional charge.



Dealer Contact

In the case of a claim your dealer is your point of contact. That means no hassle with third-party providers and ensures everything works smoothly.



Professional Treatment

Nobody knows your machine better than Kubota trained technicians operating with specialist tools qualified by Kubota.



Resale Value

Increase your machines resale value. Kubota Care is transferable to the new owner.



#Technical data

Model		M5-072N		M5-082N M5-092N			M5-102N		M5-112N			
		Rops	Cab	Cab	Rops	Cab	Rops	Cab	Cab			
Engine					V3800-CR-TIE5							
Diplacement/No. of cylinders	cm ³				3769/4	4 valves						
Rated speed	rpm	2400		2600	2400	2600	2400	2600	2600			
Rated Power (ECE R120)	hp (kW)	74	74 (54)		94 (69)	96 (71)	107(79)	106 (78)	115 (84)			
Maximum torque	Nm	27	71	294	331	314	362	346	364			
Adblue tank	1				6	,5						
Fuel Tank capacity	I		76									
ransmission												
Гуре – Main gear shift			6 speed synchronised; Option: Dual speed									
Range gear shift						3						
					F18	/R18						
lo. Of speeds					F36/R36 I	Dual speed						
Max. Travelling speed	km/h		40 Eco									
Overdrive	rpm		2095									
Shuttle shift			Electro-hydraulic shuttle									
Main clutch			Multiple wet disc, electro-hydraulically operated									
Brake type			Hydraulically operated wet disc brakes, with automatic front axle engagement (4WD)									
WD engagement			Electro-hydraulic with Bi-speed									
lear differantial lock			Méchanical									
то												
peed	rpm		540/540 Eco; Option 1000									
Activation			Electrohydraulic									
lydraulic system												
ump capacity	l/min.	63	3,3	68,6	63,3	68,6	63,3	68,6	68,6			
-point hitch (Category II)				Quick-	Quick-hitch lower link ends/L shape lower link							
Control system					Position and	I draft control						
ift capacity at lift end	kg				23	300						
lo. Of hydraulic valves and Ty	vne	Valve w/o FC: 2 Maxi: 4 Standard with FLOW CONTROL: 1 FD + 1 SCD										
tor or riyaraano varvoo ana 1	,,,,	Valve with FC	Valve with FC: 2 Maxi: 5 Options: 5 maxi									
No. of optionnal front nydraulic outlet		3	5	5	3	5	3	5	5			
Tyres size												
-ront					280/	70R18						
Rear					380/	70R28						
Dimensions & weight												
Overall length	mm	3985-4324	3975-4320	4115-4460	4074-4414	4115-4460	4074-4414	4115-4460	4115-4460			
verall height	mm				21	30						
Overall width	mm	1465	2384	2384	1465	2384	1465	2384	2384			
Vheelbase	mm				1250–1800							
read width	mm	1020–1360										
Turning radius (w/o brake)	mm				39	3950						
ractor weight Rops	kg	2570-	-2676	2645–2749								
Cab	kg	2710-	-2847	2811-2954								





CABIN model		M5-072N		M5-082N	M5-092N		M5-102N		M5-112N
A Overall length	mm	3985-4324	3975-4320	4115-4460	4074-4414	4115-4460	4074-4414	4115-4460	4115-4460
B Wheelbase	mm		2130						
C Overall height	mm	2384							

ROPS Model		M5-072N			M5-092N	M5-102N		
A Overall length	mm	3985-4324	3975–4320	4074-4414	4115–4460			
B Wheelbase	mm		2123					
C Overall height	mm		1390					
D Height of roll bar in high position	mm				2563			

Model	M5-072N		M5-082N	M5-092N		M5-102N		M5-112N	
	Rops	Cab	Cab	Rops	Cab	Rops	Cab	Cab	
Version									
ACCESS	•	•	•	•	•	•	•		
DUAL SPEED	•	•	•	•	•	•	•	•	
DUAL SPEED FS			•		•		•	•	
DUAL SPEED GPTO		•	•						
DUAL SPEED GPTO FS								•	

Version	ACCESS	DUAL SPEED	DUAL SPEED FS	DUAL SPEED GPTO	DUAL SPEED GPTO FS
Engine memory A & B	•	•	•	•	•
RPM mode	•	•	•	•	•
Gear Box type	18/18	36/36	36/36	36/36	36/36
Dual speed	-	•	•	•	•
Clutch of switch	-	•	•	•	•
Front Suspended axle	-	-	•	-	•
Flow control on each hydraulic valve	● except M5072	•	•	•	•
Park Lock	•	•	•	•	•
Overdrive	•	•	•	•	•
Ground PTO	-	-	-	•	•
Front hydraulic outlet	0	0	0	0	0

o option • standard -: Not available

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