For Earth, For Life Kubota



KUBOTA M6002 SERIES

M6-122-M6-132-M6-142











#Highlights



Kubota Farm Solutions

The cycle of success.

We understand that your success requires more than a powerful tractor. It needs an integrated system of products, services and support that work together to increase your future's viability and competitiveness. Kubota Farm Solutions joins all our solutions together in one single system. From intelligent technology to individual services, Kubota Farm Solutions is the perfect expression of our aspiration to always support you a little better, now and in the future.

Performance

The Kubota M6002 is ideal for farmers who are looking for great manoeuvrability, excellent visibility, high levels of comfort and outstanding performance. Its versatility makes it the perfect solution for mixed farms, as well as dairy and cattle farmers.

ontrol

With the M6002, you literally have all controls at your fingertips. Integrated into the armrest, the modern multifunction lever gives you direct access to those all important tractor functions.

Optimisation

The optional 7" K-Monitor gives the Kubota M6002 precision farming capability. This enables you to use fertilisers, pesticides and seeds efficiently, while significantly reducing your workload.

Cabin

The M6002's spacious cabin offers a high level of driving comfort and allows for long days of relaxed working. Ergonomically optimised operating devices and several comfort features guarantee high efficiency and performance.

Glass sunroof

The M6002 has a large sliding glass roof – ideal for overhead work. This gives a perfect view of the raised front loader.

Engine

Kubota's modern Stage V engine is designed to deliver maximum power with reduced fuel consumption.

The 6.1-litre four-cylinder engine delivers ample torque over a wide speed range.

Hydraulics

The powerful hydraulic system of the M6002 is designed for maximum productivity. This versatile tractor can easily lift heavy implements thanks to its impressive lifting capacity, and even demanding front loader work is child's play.

Transmission

The M6002's modern powershift transmission impresses whilst carrying out demanding fieldwork and fast haulage operations. The tractor boasts a perfectly coordinated number of gears and the new "Xpress restart" function increases operating comfort.

Manoeuvrability

The unique Kubota front axle guarantees maximum manoeuvrability. Simultaneously, the Bi-Speed steering guarantees a tight turning radius. From a steering angle of around 35°, the rotational speed of the front wheels is increased for added agility.

Value protection

Kubota tractors offer proven quality and excellent performance. With a maintenance contract, you can protect your investment for years to come. Additionally, Kubota offers you up to five years warranty for the M6002

Finance management
The M6002 is all about high
efficiency and versatile work.
With the help of Kubota
Finance, you can invest in the
right technology that will make
an important contribution to
your long-term success.

A mighty engine under the bonnet

The Kubota M6002 has one of the most powerful 4-cylinder engine in the agricultural sector. Kubota's powerful Stage V engine delivers full power over a wide speed range, even under varying loads. Additionally, the generous 230-litre fuel tank means you can work long days without having to refuel.



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 how many Kubota engines are at work under several different machine bonnets. High quality and efficiency are the main ingredients of this success.

The tractor sector covering 120-140 hp range is increasingly demanding with many high performancing machines. The reason for this is that farmers want to use what are often heavy implements not just with their main tractor, which is usually more powerful, but also with their second tractor.

Engine capacity in a class of its own

Because of the need for versatility, farmers place a high priority on a tractor's engine and its performance. The M6002 has plenty to talk about, and there is huge power packed beneath the bonnet. With its impressive 6,124 cc displacement, no other current 4-cylinder engine in the agricultural sector offers more than Kubota's Stage V engine."

Boost function provides an extra 20 hp

For farmers, the high-capacity Kubota engine is a real advantage as it guarantees them maximum efficiency and reliability. The most powerful model, the M6142, delivers a full 142 hp at 1,900 rpm. On top of that, the Powerboost feature on all models can provide an additional 20 hp during road applications – ideal for fast haulage journeys or when more power is needed in demanding applications on the road.

Impressive torque

The large displacement of the Kubota engine is also reflected in its impressive torque. The engine can deliver over 600 Nm of torque across a wide speed range from 1,200 rpm to 1,900 rpm. This means plenty of fuel and noise reduction in the PTO in Eco speed mode.

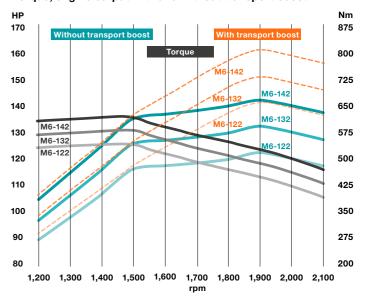
Optimum use of all PTO speeds

The constant torque output means you can use all four PTO speeds that this tractor offers as standard: 540, 540 ECO, 1000 and 1000 ECO. The two ECO PTOs are particularly useful when powering forage-harvesting attachments such as mowers, tedders and windrowers.

Uninterrupted work

The tremendous power of the 4-cylinder engine is yours to use throughout the day for many hours without interruption. The M6002's 230-litre fuel tank ensures long operating periods without needing to refuel. The diesel particulate filter (DPF) also contributes to greater efficiency, with a cleaning interval that has been doubled to a maximum of 6,000 hours.

Torque, engine output with and without transport boost





Designed for demanding tasks

The M6002's gearbox has been designed for high speeds and payloads. You can shift gears at the touch of a button or via a multi-function lever. The new "Xpress restart" function, which allows you to stop the tractor without having to clutch, guarantees even more operating comfort.

Kubota engineered the M6002's new, stable and easy-to-use transmission for maximum performance and high-speed applications. As a result, you can rapidly accelerate a tractor of approximately 6,000 kg and more than 3,800 kg payload to top speed without compromising manoeuvrability.

Optimally graded gearbox

Eight powershift speeds in three robotized groups give you 24 forward and 24 reverse gears, which are simple to shift. Add the optional creeper range and this increases to 32/32 forward and reverse speeds – the perfect configuration for an extremely wide range of applications in the field, as well as for transport and feeding work. Starting from just 0.2 km/h, you can precisely adjust the working speed to suit your requirements. In ECO mode, maximum transport speed is achieved in a fuel-saving and thus cost-saving manner at an engine speed of just 1,690 rpm.

Adjust shifting aggressiveness

You can use a switch to adjust the aggressiveness of the powershift to the driving speed. This allows you, for example, to react flexibly to the weight of an attached load, such as an empty or full trailer or slurry tank, and to shift gears smoothly.

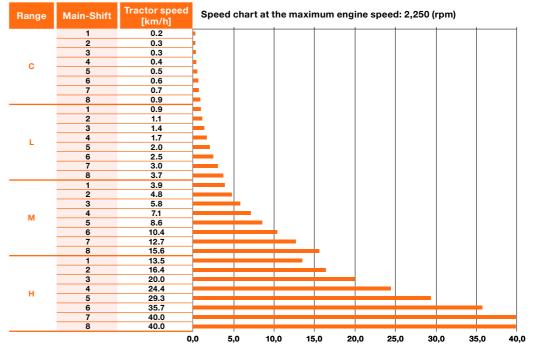


Stopping without coupling

The "Xpress restart" feature is really useful. This new function allows you to stop the tractor without using the clutch simply by pressing the brake pedal. The main clutch is controlled directly by the brake pedal. "Xpress restart" handling is particularly good for repetitive tasks such as feeding, where you can precisely control the front loader, for example, without having to use two pedals. "Xpress restart" is activated and adjusted using a simple dial. There is no need for an experienced driver to do this – another important point for farm managers.



New Power Shift Transmission



40km/h H7: 2,060 rpm H8: 1,690 rpm

Impressive hydraulic performance

The M6002's powerful CCLS hydraulic pump gives you full control of all hydraulic functions. Additionally, the tractor's hydraulics have a hands-on feel to them, as they easily cope with heavy implements.



All M6002 Series models are equipped with a CCLS (Closed Centre Load-Sensing) hydraulic pump as standard. This system provides 115 l/min of oil to the hydraulic valves and the front and rear linkages. Three mechanical valves are standard on the M6002, with an additional mechanical valve available as an option. All hydraulic valves are equipped with flow control to optimise the implement work and the tractor also features low-pressure control on the front loader valve.

Tons of lifting power

The CCLS hydraulic system provides a full 7,000 kg of lifting power on the rear power lift and 3,260 kg on the front. This makes it easy to lift even very heavy implements such as reversible ploughs, cultivators or large combination seeders. Even at low engine speeds, the system ensures high and efficient hydraulic flow, fast response and smooth front loader operation.



CCL technology supplies not just the main hydraulic components but also the trailer brake, steering unit, transmission control and the standard front axle suspension. Because it is a single hydraulic pump with only two filters, this simplifies maintenance of the hydraulic system and reduces the overall noise level.







Support for steering operations with the CCLS solution

By contributing to the power steering, the M6002's hydraulic pump helps you to steer more easily, which reduces fatigue. You will also appreciate the smooth steering when working with a front loader in confined spaces or steering on headlands.





Perfect view of the front loader

The M6002's enlarged sunroof gives you an excellent upward view. This means you can easily see the tools attached to the new-generation front loader when it is fully raised, even though the lifting height has been increased.

Enhanced comfort for productive work

The M6002 is in a class of its own when it comes to the comfort it offers operators, allowing them to concentrate fully on the job in hand. To ensure top levels of comfort on uneven, rough ground, the tractor is equipped with high-performance cabin suspension. The spring cab suspension provides greater driving comfort as well as protecting your health. And talking of comfort and health: the premium Grammer seat features excellent suspension and padding as well as large armrests.

Even passengers get a comfortable seat

With the M6002, it's not just the driver who sits comfortably. All models are equipped with a full-size passenger seat.

A cabin that sets new standards

The cabin of the Kubota M6002 offers you a huge amount of space, with comfort levels equivalent to a premium tractor and the ergonomically optimised arrangement of all operating devices. Together, this creates the ideal conditions for maximum productivity.

The operator's cabin is the "workroom" for many farmers on long working days. For this reason, farmers place high demand on space, ergonomics and comfort.

The new cabin of the Kubota M6002 effortlessly meets these requirements.

Plenty of space and excellent visibility

The wide-opening doors make it safe and easy to get in and out. Once inside the 1.66 m wide four-pillar cabin, you will be pleasantly surprised by the generous amount of interior space. This is true of the windows as well. Along with the rounded engine cowling, the generous amount of glass gives you an excellent view of the front working area. Despite the size of the Stage V engine, Kubota has succeeded in maintaining the dimensions of the cowling while simultaneously integrating a larger engine cooling system.



Everything under control

With the Kubota M6002, you have all the important functions in view and at your fingertips. Control elements are logically arranged and easy to operate, giving you optimum support in your daily work.

Integrated into the armrest, the modern multifunction lever gives you central access to all key functions and is easy to operate with one hand. There is no simpler and more ergonomic way to control tractor functions – providing the perfect basis for high productivity.

All operating elements within easy reach

The comfortable armrest is standard on all models. All controls are positioned within easy reach in the armrest and on the ergonomic side console. This guarantees a high degree of operating convenience and stress-free working.









The perfect combination of tractor, front loader and tools

The front loader acts as your extended arm for numerous jobs in the yard and field. The more closely the front loader is matched to the tractor, the more efficiently and smoothly you can work with it. With our new front loaders for the M6002, Kubota is once again setting the standard for productivity and versatility.





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.

The M6002 front loaders are completely new. Kubota decided to develop a new front loader for the important 120-140 hp tractor class, in partnership with the leading European manufacturer.

The ideal front loader for every task

The result of our joint development work is not just one front loader, but five different models – from functional to premium. The different models optimally meet the requirements of each operation in terms of power and lifting capacity. Maximum capacity can be as much as 2,400 kg.

Perfectly matched

Tractor and front loader are ideally matched to each other. Perfect control and optimum visibility are essential for efficient front loader operations. The new front loaders offer both characteristics. For example, the joystick that controls all the functions of the front loader is ergonomically positioned in the cab and within easy reach of the operator. This is a major difference to retrofit kits, for which you first have to find a place in the cabin. In addition, the joystick also controls the front linkage. On top of that, the extremely stable but slim frame makes a further contribution to the tractor's excellent 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.

Huge range of tools

All tools can be optimally combined with each other. Regardless of whether you use MX, Euro or SMS tools, the quick-change frame of the front loader is suitable for all of them. You can choose from a huge variety of tools. As well as the extensive selection of Kubota tools, you can select any of the implements supplied by our partner company, which currently offers the largest portfolio of tools for front loaders.



#Manoeuvrability





Manoeuvring in the tightest spaces

Another important success factor is Kubota's innovative Bi-Speed technology, which makes turning even easier. If the turning angle of the front wheels exceeds around 35°, the rotational speed of the front wheels automatically increases in relation to the rear wheels. This gives you optimum traction and reduced slip, as well as smoother turning that is gentler on the ground. Even tight turning manoeuvres with the front loader fully raised are no problem.

As agile as a compact tractor

Unmatched manoeuvrability is part of the DNA of Kubota tractors and the M6002 is no exception. The portal front axle with bevel gear drive and Kubota's Bi-Speed technology gives it exceptional agility.

The M6002 is much easier to manoeuvre than similar tractors of this size. With 480/65R24 tyres, its turning circle is just 4.5 metres. This makes it as nimble as a compact tractor, even when performing the most demanding tasks.

Unique steering angle

The tractor's unique manoeuvrability is based on the portal front axle with its bevel gear drive, which enables an exceptional steering angle. The benefits of this are obvious whenever space is tight, such as in small yards. On headlands, even with heavy implements like cultivators and ploughs, it can often make tight turns in one go. Whereas other tractors need to swing wider or reverse, saving valuable time.

High ground clearance for low-impact operation

Thanks to its bevel gear drive, the M6002 has an impressive ground clearance of 42,5 cm – higher than tractors with a universal joint front axle. This is ideal to avoid damaging large rows when forage gathering, for example. You can also use the tractor for cultivating taller crops where other tractors are unable to cope.

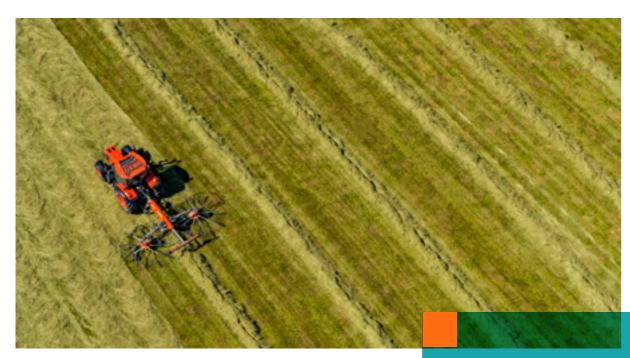
Robust, sealed axle

The robust axle of the M6002 is completely sealed, meaning that it is unaffected by heavy soiling from mud and dirt. All stressed components are lubricated and the lubrication points have been reduced to a minimum. In addition, the new design dispenses with universal joints. The result means reduced maintenance and a longer service life of the axle components.



Focus on more productivity

The optional 7" K-Monitor is the heart of the M6002's precision farming capability. With 100% ISOBUS compatibility, it gives you unrestricted access to all ISOBUS implements and machines on the market. This results in efficient use of equipment or consumables and provides the operator with a wide range of benefits.





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.





The proven, AEF-certified 7" K-Monitor is available as an option for the M6002. ISOBUS capability and an optional automatic steering system makes the tractor ready for precision farming. Enabling precise use of resources and efficient headland management.

Intuitive operation

The user-friendly, intuitive K-Monitor lets you easily set all the necessary control functions and view all information in one place. Thanks to 100% ISOBUS compatibility, the touchscreen panel allows you to use all ISOBUS implements and machines cost-effectively and manage all tractor information and settings. This makes productive work a breeze.

Major cost and time savings

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



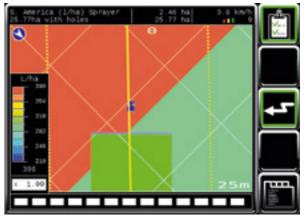
Section Control

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.

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.

Excellent connectivity

The 7" K-Monitor is compatible with the Farm Management Information Systems (FMIS) of all leading suppliers. Tasks are sent and received in the vendor-independent ISO-XML format. Multiple tasks can be transmitted simultaneously. Safe and secure data transmission between the farm computer and the monitor is guaranteed. What's more, the Kubota terminal can generate reports with a variety of information, such as position in the field, working time, resources used, etc. This can take a considerable amount of pressure off your office work.



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 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.



Kubota Care Benefits



Price Increase
Protection
Protects you against

Inflation VAT Parts Labour Prices

100 ORIGINAL 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 excess charge. 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.





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



#Technical data

Model		M6-122	M6-132	M6-142			
Engine		V6108-TIEF5					
Number of cylinders/valves/aspira	tion	4/4v/turbo charged and intercooler					
Engine power output (ECE R120)	hp (kW)	123 (91)	133 (98)	143 (106)			
Max. power incl. Transport Powerboost	hp (kW)	143 (105)	153 (113)	163 (120)			
Displacement	cm ³	6,124					
Engine speed at max power	rpm	1,900					
Rated speed	rpm	2,100					
Max. torque	Nm	549	594	645			
Engine speed at max torque		1,500					
Alternator/battery		150Amp(Std)200Amp(Opt)/174AH(20HR)/1400CCA					
Fuel/Ad blue tank capacity	I	230/20					
Transmission							
Type of powertrain		Powershift					
Number of speeds	forw./rev.	24/24					
Number of speeds with creepers	forw./rev.	32/32					
Max. travelling speed	km/h	40 Eco					
Main speeds		8 Powershift with smooth adjustment; autoshifting mode					
Speed ranges		3 GST ranges robotized					
Shuttle		Electrohydraulic with progressivity adjustment					
Main clutch		Multi-disc oil bath clutch, electro-hydraulic; including Xpress restart function					
Brake types		Hydraulic, oil bath multi-disc with automatic 4-wheel drive engagement					
4-wheel drive engagement		Electrohydraulic; ON/OFF/Auto					
Differential lock (front/rear)		Electrohydraulic					
Hydraulic system							
System		Standard full CCLS technological	ogy (LS front axle, LS power steering, L	S trailer brake, LS rear valve)			
Pump capacity	l/min.		115				
Rear power lift		Auto lower link CAT II/IIIN					
Control system		EHR/lower link sensor					
Category		II/IIN					
Rear linkage capacity	kg	7,000					
Front linkage capacity	kg	3,260					
Hydraulic valve type		Mechanical					
Number of control valves		3 (option 4)					
Rear PTO shaft speed rear	rpm	540 / 54	10E / 1,000 / 1,000E; with smart PTO a	ctivation			
front	rpm		1,000				
Tyres size							
Front		Min: 420/65R24 Max : 480/65R24					
Rear		Min: 540/65R30 Max: 650/60R38					
Dimensions & weight							
Overall length	mm		4,590				
Overall height	mm	2,890					
Overall width	mm	Min: 2,475; Max: 2,610					
Wheelbase	mm	2,690					
Shipping weight	kg	6,000					





Model		M6-122/M6-132/M6-142		
A Overall length	mm	4,590		
B Wheelbase	mm	2,690		
Cab heigth (from centre of rear axle to cab roof)	mm	2,100		
D Overall heigth	mm	2,890		
E Overall width		Minimum: 2,475; Maximum: 2,610		
F Track width mm		1,585-2,090		
G Ground clearance	mm	425		

^{*} Standard tyres size: 420/70R24, 520/70R38

Front loader specifications									
Loader model		LK2400H	LK2100H	LK2200M	LK2100M	LK2100U			
Self- levelling type		Hydraulic	Hydraulic	Mechanical	Mechanical	Mechanical			
Maximum Height on Pivot point	mm	4,150	4,000	4,150	4,000	4,000			
Max. height under horizontal bucket	mm	3,900	3,750	3,900	3,976	3,650			
Maximum height under dumped bucket	mm	3,350	3,200	3,350	3,200	3,000			
Digging depth	mm	200	200	200	200	150			
Dump angle at full height	0	55	55	55	55	55			
Crowd angle at ground level	0	52	52	47	47	47			
Lifitng capacity at implement pivot, ground level	kg	2,750	2,400	2,400	2,400	2,300			
Lifitng capacity at implement pivot point over the entire lifting range	kg	2,450	2,190	2,200	2,200	2,150			
Payload capacity on pallet at 0.60 m out on forks at ground level	kg	2,410	2,080	1,825	1,780	1,800			
Raising time	S	6.2	5.4	5.4	5.4	5			
Dumping time	s	1.4	1	2.2	1.8	2.1			

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