

For Earth, For Life
Kubota

KUBOTA DIESEL TRACTOR

M7001



For the future of farming, people, and the environment

When we set out to make farming easier and more efficient,
we focused on the relationships between farming operations and workers,
as well as between farming and the environment,
for only when the environment is clean can farming take place and people live comfortable lives.

We went back to the basics to address the issues that farmers around the world face.

We explored the past and future of farming.

And we imagined how the ideal tractor could make everyday farming tasks in the future easier
and more efficient and the environment just a little bit cleaner.

And then we went ahead and built it.

Introducing the Kubota M7001, the cleanest, most capable, most powerful tractor we have ever built.

It deserves to be called the flagship of the farming fleet.

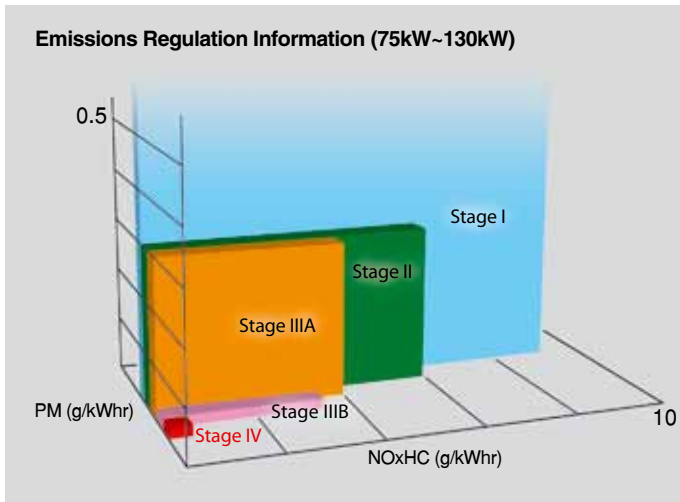


Clean, dependable, fuel-efficient power—and plenty of it



Kubota V6108 engine

The V6108 engine also boasts the latest in clean-engine technology. Selective Catalytic Reduction (SCR) sprays the hot exhaust from the engine with diesel exhaust fluid (DEF), which transforms the exhaust into harmless water vapor and nitrogen. The Common Rail System (CRS) electronically controls the timing and amount of high-pressure injected fuel in stages for optimal combustion, which results in greater efficiency, better fuel economy, and less engine noise. The combination of these two systems with a Diesel Particulate Filter (DPF) muffler and an Exhaust Gas Recirculation (EGR) system ensure that the M7001 not only meets the latest Stage 4 emissions regulations, but **dramatically exceeds them.**



Power Boost

Power is the key to superior tractor performance, and the M7001 has plenty of power to quickly and efficiently handle just about any task. But when a particularly tough job demands even more power for short periods, activate the M7001's Power Boost, and the engine instantly delivers more power to let you finish the job you started.



Large tanks for fuel/urea

Time spent at the fuel pump is time you're not working on the job. To let you work longer between refueling stops, the M7001 is equipped with extra-large tanks for fuel (330 liters) and urea (38 liters).

All the speeds you need for all the jobs you do



K-VT (Kubota Variable Transmission)

Available on the M7001 Premium K-VT, this model provides a virtually infinite number of forward and reverse speeds, letting you work at the optimum speed for each job. Highly responsive and reliable, the K-VT transmission also features dynamic braking—engine-assisted deceleration—to help maintain control and a constant traveling speed while descending slopes.

4 speeds x 6 ranges

The M7001 features Kubota's original, dependable, and automatic Powershift transmission that provides 4 forward and 4 reverse speeds across six speed ranges for a total of 24 speeds, that can be shifted without clutch. With so many speeds to choose from, it's easy to the right speed for every job!

with Creep 40 x 40 (total)

Some special jobs can't be done properly at normal working speeds. That's why the M7001 gives you 16 forward and 16 reverse creep speeds to let you do those kinds of jobs at extremely slow working speeds.

ECO 40km/50km

When traction and speed aren't important, such as when carrying materials at low speed, select the M7001's ECO mode. It reduces the engine speed while maintaining a traveling speed of either 40 km/h or 50 km/h. You'll save fuel and work longer between refueling stops.

Optimum speed change control

The M7001 is engineered to provide extremely high levels of maneuverability and control. One way it does this is by automatically matching the operating situation to the optimum speed, allowing the operator to concentrate on driving. During traveling, Travel mode adjusts the gears to the road conditions, incline (up or down), and amount of acceleration. In Field mode, the transmission shifts down 2 gears as soon as the three-point hitch is raised. Field mode also minimizes changes in PTO revolutions when the PTO switch is engaged.

Quick, easy, and total control at your fingertips



Multi-function lever (Premium model)

To let you get more work done in less time and with less effort, Kubota has developed a unique multi-function operating lever that puts all of the M7001's major functions on a single easy-to-use control lever. Your right hand is always on the lever, leaving your left hand free for steering. Tractor operations couldn't be simpler or more convenient.

Stress-free multi-function lever (Standard model)

The Standard model features a simple multi-function lever that is easy to operate with just one hand. A speed control switch lets you quickly change speeds and direction and work at the optimum speed for the task. Other functions under your fingertips are the AUX port variable switch, Differential lock switch, Direction switch, and Neutral switch.



• Console Layout (Premium Model)



• Console Layout (Standard Model)



Spacious, comfortable, and quiet all day long.



A quiet cabin with a view

When you're in the fields from dawn to dusk, you want a ride that keeps you comfortable and working efficiently until the job is done. The M7001's extra-wide cabin is designed to do just that. With just four corner posts and no center pillars to get in the way, the view out the front, rear, and both sides is virtually unobstructed. The cabin design also reduces noise from the outside to a minimum, so you can work in peace and comfort all day long.



Cabin suspension

The M7001 cabin is available with your choice of suspension systems: mechanical (spring), air, or none. Cabin suspension helps take the bumps out of the ride to keep you comfortable and efficient.

3-stage front suspension system

The M7001's front suspension helps ensure a comfortable ride as well as stable and precise operation. It works seamlessly with the shock absorbers to let you smoothly negotiate rough terrain. Suspension stiffness can be adjusted manually or automatically in three stages—Firm, Normal, and Soft—or even locked for special applications.



Superior hydraulics gives you the versatility and power to get the job done.



Hydraulics

• Premium model

The M7001 premium model offers premium hydraulics, such as a CCLS and a variable flow rate that can handle a variety of functions at the same time, a 110-liter independent PFC pump, and electronic aux control with four standard aux control valves and the option of fifth valves.

• Standard model

The M7001 standard model is ready to go to work with open-center hydraulics, an 80-liter gear type pump and mechanical aux control with three aux control valves as standard equipment and the option of adding a fourth aux control valve.



PTO (540/540E/1000/1000E)

Kubota's 4-speed live-independent PTO gives you the ability to operate a variety of rear-mounted implements at the optimum speed for each. The independent PTO can be engaged and disengaged without stopping the tractor using a single control knob with automatic modulation for smooth engagement.



High lift capacity 3-Point hitch

The Category III 3-point hitch offers extra lifting capacity to easily handle jobs that require heavy implements.



Front 3-Point hitch (option)

An optional front 3P hitch adds even more versatility to the M7001's already impressive capabilities.

Front PTO (option)

The M7001 offers optional front PTO provides greater versatility and productivity, letting you run two PTO implements at the same time.



Rear Remote Switch

Auto PTO on/off with 3-Point hitch position

You'll appreciate the convenience and precision Auto PTO provides when turning at the end of a row. Auto PTO automatically disengages the PTO when the linkage is raised, and then re-engages when the linkage is lowered.

9000 kg lifting capacity

The M7001's massive 9000 kg lifting capacity makes quick work of tasks with a front loader, combi-seeder, to other large attachment.



Sophisticated control with a simple purpose: To get the job done quickly and efficiently



All-in-one terminal

(Premium and Premium K-VT models only)

All of the M7001's functions are conveniently displayed on a single large LCD touch screen and can be adjusted and set with simple touches of a finger. The four main functions—Tractor Control, ISO-BUS connector-compatible implement control, GPS-compatible auto-guidance, and Camera Monitor—are always displayed on the user-friendly panel, simplifying their adjustment and monitoring. You can even edit the displayed information to show only what you want to see.

ISO-BUS connector-compatible

Out of the box, the M7001 can handle any ISO-BUS connector-compatible implement. Simply attach the implement to the universal plug, and information about the implement is instantly displayed on the LCD monitor for adjustment and control. You won't need to install a control box, special monitor, extension, power source, or wiring.

Auto guidance

A built-in GPS gives the M7001 the ability to track its own movements, display GPS maps and information on the LCD terminal, and perform a wide range of automatic GPS-controlled operations.

Auto steering

Knowing precisely where you are and in which direction you are headed makes possible a variety of control functions that improve work efficiency and accuracy. When paired with the optional "Auto Steering" feature, the GPS can automatically control the direction and movement of the M7001, freeing the operator for other tasks.

Headland Management System

The M7001 Headland Management System works with the GPS and ISO-BUS compatible implements to provide customizable programs of fully automated operations. For example, when the end of a row is reached, the operator can simply press a button to start a sequence of operations to automatically stop the implement, lift it, and lower it at the completion of the turn. The Headland Management System frees the operator to concentrate on maneuvering and helps ensure more precise turns and greater work efficiency. Different programs are available for different tasks, and each can be customized and retained in memory to suit special needs.



Large touch screen 12" LCD monitor
(Premium model option)



7" LCD monitor (Standard on Premium model)

Fully configured to handle a variety of implements and jobs



Mechanical self-leveling

With no upper loader link to get in the way, Kubota's mechanical self-leveling system ensures an unobstructed view ahead.

Electrical control (for Premium model)



Mechanical control (for Standard model)



Front loader joystick

Kubota's Front Loader Joystick greatly simplifies front loader operations so you can concentrate on the work ahead. The joystick is located on the control console for smooth and effortless shifting and better forward visibility.

Single-lever hydraulic quick coupler

With the pull of a single lever, an operator can quickly and simultaneously attach and detach all four hoses using a single lever, simplifying tasks that require hydraulic equipment.



Quick coupler/ISO-Euro Quick coupler

Kubota offers two types of quick attachment couplers, including an ISO-Euro Quick Coupler. Both let you attach and detach a wide variety of attachments with a quick and simple operation.

Quick attachment and detachment

Attaching and detaching the front loader doesn't get any easier, thanks to boom stands and two mounting pins. No tools are necessary! With simple and quick attachment and detachment, you'll be back to work in minutes.

Kubota shockless ride (KSR)

The KSR helps to minimize fatigue by "smoothing out" the ride of the tractor. This feature is particularly useful when your tasks include a lot of tight turns or lifting and dumping of heavy loads. It makes handling round bales far less jarring.

Third function valve

A standard third function valve lets you work with a grapple bucket and other hydraulically controlled attachments. The valve is controlled by a single button conveniently located on the joystick grip.

Specifications

Model		M7131	M7151	M7171
Engine		V6108-CR-TIEF4		
No. of cylinders/Aspiration/Emission		4/Turbocharger with intercooler/Euro stage IV		
Engine power (97/68EC)	PS	130	150	170
Total displacement	cm ³	6124		
Rated speed	rpm	2200		
Alternator/Battery		150Amp / 170Ah (20HR) / 100CCA		
Fuel tank capacity	ℓ	330		
Grade variety		Standard	Premium	Premium K-VT
Transmission		F24 / R24 (F40 / R 40 w/ creep)		K-VT
No. of speeds (option)				
Max. traveling speed	km/h	40 / 50		
Main gear shift		4-speed powershift		K-VT
Range gear shift		6-speed synchronized gear shift (GST)		K-VT
Shuttle shift		Electro-hydraulic shuttle		
Main clutch		Hydraulic multi-plate wet disc		
Hydraulics				
System		Open center	Closed center, Load sensing	
Pump capacity	ℓ/min.	80	110	
3-point hitch		Quick hook		
Control system		Electrolic draft control / Lower link sensing		
Category		III		
Lift capacity at lift end	kgf	9000		
No. of remote valves		maximum 4 valves (mechanical valve)	maximum 5 valves (electrolic valves)	
Rear PTO speeds	rpm	540 / 540E / 1000 / 1000E		
Front PTO speeds	rpm	1000		
Standard tyres size (max.available)				
Front		540 / 65R28		
Rear		650 / 65R38		
Dimensions & weight				
Overall length	mm	4770		
Overall height	mm	3030		
Overall width	mm	2500		
Wheelbase	mm	2720		
Shipping weight	kg	6300		

The company reserves the right to change the above specifications without notice. For your safety, Kubota strongly recommends the use of a seat belt in all applications.



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