

M7-1



KUBOTA'S
MOST POWERFUL
TRACTOR EVER.

For Earth, For Life
Kubota

THE FUTURE OF FARMING

Introducing the new M7-1, Kubota's most powerful tractor ever. It's an evolution in comfort, performance, and revolutionary in its low impact on the environment. Specifically designed for the farming professional who wants a versatile and hard-working tractor, the M7-1 is powered by a next-generation 6.1 litre, four-cylinder diesel engine, incorporating Kubota's clean-air technology.

Kubota's vision for a tractor that makes farming more efficient while working in harmony with the earth is now a reality.

It's perfecting this delicate balance that makes the M7-1 the future of farming. Now is your opportunity to experience it.



M7-1

THE RANGE
A MODEL TO POWER ANY TASK

STANDARD

M7-131

130HP (4/Turbocharger w/intercooler)
24 Speed Powershift Transmission
80 L/min Pump Capacity
3 Mechanical Valves

M7-151

150 HP (4/Turbocharger w/intercooler)
24 Speed Powershift Transmission
80 L/min Pump Capacity
3 Mechanical Valves

M7-171

170HP (4/Turbocharger w/intercooler)
24 Speed Powershift Transmission
80 L/min Pump Capacity
3 Mechanical Valves

PREMIUM

130HP (4/Turbocharger w/intercooler)
24 Speed Powershift Transmission
110 L/min Pump Capacity
4 Electro Hydraulic Valves

150HP (4/Turbocharger w/intercooler)
24 Speed Powershift Transmission
110 L/min Pump Capacity
4 Electro Hydraulic Valves

170HP (4/Turbocharger w/intercooler)
24 Speed Powershift Transmission
110 L/min Pump Capacity
4 Electro Hydraulic Valves

K-VT

130HP (4/Turbocharger w/intercooler)
Kubota Variable Transmission
110 L/min Pump Capacity
4 Electro Hydraulic Valves

150HP (4/Turbocharger w/intercooler)
Kubota Variable Transmission
110 L/min Pump Capacity
4 Electro Hydraulic Valves

170HP (4/Turbocharger w/intercooler)
Kubota Variable Transmission
110 L/min Pump Capacity
4 Electro Hydraulic Valves

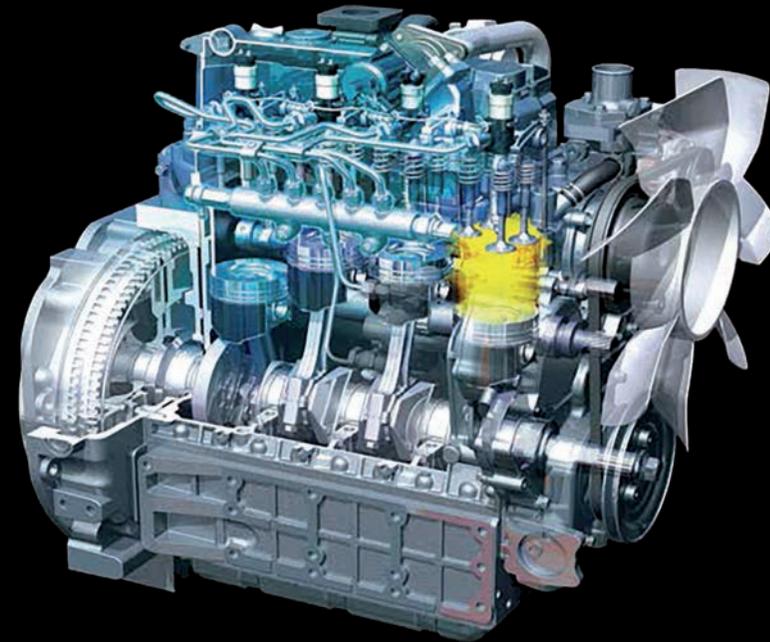
Australian and New Zealand standard specifications

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UNDER THE HOOD CLEAN, DEPENDABLE, FUEL-EFFICIENT POWER, AND PLENTY OF IT.

KUBOTA V6108 ENGINE

The V6108 engine boasts the latest in clean-engine technology. Selective Catalytic Reduction (SCR) injects diesel exhaust fluid (DEF/AdBlue®) into the hot exhaust gas, transforming it into harmless water vapour 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 M7-1 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 M7-1 has all that you need to handle any task quickly and efficiently. However, when a particularly tough job demands even more power for short periods, the M7-1's Power Boost engages, and the engine instantly delivers more power from beginning to end.

LARGE TANKS FOR FUEL/ADBLUE®

Time spent at the fuel pump is time you're not working on the job. To ensure you work longer between refuelling stops, the M7-1 is equipped with extra large tanks for fuel (330 litres) and AdBlue (38 litres).



M7-1

ALL THE SPEEDS YOU NEED FOR ALL THE JOBS YOU DO.

POWERSHIFT 4 SPEEDS X 6 RANGES

The M7-1 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 match the right speed to the job.

WITH CREEP 40 X 40 (TOTAL)

Some special jobs can't be done properly at normal working speeds. That's why the M7-1 gives you 16 forward and 16 reverse creep speeds (option) to let you do those kinds of jobs at an extremely slow working pace.

K-VT (KUBOTA VARIABLE TRANSMISSION)

Available on the M7-1 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 with engine-assisted deceleration, to help maintain control and a constant travelling speed while descending slopes.

ECO 40KM/50KM

For transport and moving between jobs, simply select the M7-1's ECO mode. It reduces the engine speed while maintaining a travelling speed of either 40 km/h or 50 km/h (option). You'll save fuel and work longer between refuelling stops.



OPTIMUM SPEED CHANGE CONTROL

The M7-1 is engineered to provide extremely high levels of manoeuvrability 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 travelling, 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 minimises changes in PTO revolutions when the PTO switch is engaged.

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QUICK, EASY AND TOTAL CONTROL AT YOUR FINGER TIPS.

MULTI-FUNCTION LEVER - PREMIUM MODEL

To help you get more work done in less time with less effort, Kubota has developed a unique multi-function operating lever that puts all of the M7-1'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.

MULTI-FUNCTION LEVER - STANDARD MODEL

The Standard model features a simple multi-function lever that is easy to operate. 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 range-change, linkage-lift & lower, shuttle and auto-gear-change.



Multi-function lever - Premium model



Console Layout - Standard model

M7-1

SPACIOUS, COMFORTABLE AND QUIET
ALL DAY LONG.



A QUIET CABIN WITH A VIEW

When you're in the paddock from dawn to dusk, you want a comfortable ride to help you work efficiently. The M7-1's extra-wide cabin is designed to do just that. With just four corner posts and no centre 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 a stress-free environment day in and day out.

CABIN SUSPENSION

The M7-1 cabin is available with your choice of suspension systems: Mechanical (Spring) or Air. The cabin suspension makes for a smooth ride and keeps you comfortable and productive for long hours.

3-STAGE FRONT SUSPENSION SYSTEM

The M7-1's front suspension (option) 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 and maintain traction. Automatic, Block and Manual modes are available to give the operator all the necessary choices.



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SUPERIOR HYDRAULICS GIVES YOU THE VERSATILITY AND POWER TO GET THE JOB DONE.

HYDRAULICS - PREMIUM MODEL

The M7-1 premium models offer CCLS hydraulics and a variable flow rate that can handle a variety of functions simultaneously, as well as a 110 litre independent PFC pump and electronic valves control with four standard valves, power beyond and the option of a fifth valve.

HYDRAULICS - STANDARD MODEL

The M7-1 standard model is ready to go to work with open centre hydraulics, 80 litre gear type pump and three mechanical control valves standard. A fourth valve is available as an option.

HIGH LIFT CAPACITY 3-POINT HITCH

The Category III 3-point hitch offers a huge 9000kg lifting capacity to easily handle jobs that require heavy implements.

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 their optimum speeds, the independent PTO can be engaged and disengaged on the run using a single control switch with automatic modulation for smooth engagement.

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.



FRONT 3-POINT HITCH OPTION

An optional front 3-point hitch adds even more versatility to the M7-1's already impressive capabilities.

FRONT PTO OPTION

The M7-1 also offers the optional front PTO, which allows front mounted implements driven with 1000rpm, for ultimate productivity.

M7-1

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 M7-1's functions are conveniently displayed on a single large LCD touch screen and can be adjusted and set with the simple touch 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

The M7-1 can handle any ISO-BUS compatible implement. Simply attach the implement to the universal connector and information about the implement is instantly displayed on the LCD monitor for adjustment and control. No need to install another control box, extra monitor, extension, power source or wiring.

PRECISION FARMING

The M7-1 offers integrated GPS applications as options. Auto Steer with accuracies varying from autonomous to RTK, implement rate and section control through ISO-BUS, and data export to complement Farm Management Software. The future of farming starts with the M7-1.

HEADLAND MANAGEMENT SYSTEM

The M7-1 Headland Management System allows the operator to create and play back operating sequences for turning at the headland, making turns as easy as pushing one button. For example, at the end of a row, the operator starts a sequence of slowing down, lifting an implement and disengaging the PTO, 4WD and Diff-Lock, and then reversing this sequence at the start of the next row. The entire sequence can be played back precisely over and over based on either distance or time, thereby substantially reducing the amount of concentration required by the operator. The result is greater precision, less fatigue and improved productivity. Four sequences can be called up directly and each sequence can be edited and stored to suit specific applications.



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FULLY CONFIGURED MATCHED WITH THE ALL NEW KUBOTA FRONT END LOADER LM2605.

KUBOTA SHOCKLESS RIDE (KSR)

The KSR helps to minimise fatigue by providing a 'smooth' ride of the tractor. This feature is particularly useful when your tasks include heavy loads and travelling across paddocks, collecting bales.

THIRD FUNCTION VALVE

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

MECHANICAL SELF-LEVELLING

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

SINGLE-LEVER HYDRAULIC QUICK COUPLER

A single lever action connects all hydraulic and electric ports between the loader and tractor, making attaching and detaching the loader an easy task.

ISO-EURO QUICK COUPLER

Kubota offers the ISO-Euro Quick Coupler on the LM2605, which lets 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.



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 (premium models shown) providing smooth and effortless operation and optimized ergonomics.

SPECIFICATIONS

M7-1

MODEL		M7131	M7151	M7171
Engine		V6108-CR-TIEF4		
No. of cylinders/Aspiration/Emission		4/Turbocharger with intercooler/Euro stage IV		
Engine power (97/68EC)	hp (boosted)	130 (150)	150 (170)	170 (175)
Total displacement	cm ³	6124		
Rated speed	rpm	2200		
Alternator/Battery		150 Amp (200 Amp Premium) / 12V, 174Ah, 1400CCA		
Fuel tank capacity	ℓ	330		
GRADE VARIETY		STANDARD	PREMIUM	PREMIUM K-VT
Transmission				
No. of speeds (option)		F24 / R24 (F40 / R40 w/ creep)		K-VT
Max. travelling speed	km/h	40/50		
Main gear shift		4-speed powershift		K-VT
Range gear shift		6-speed synchronised gear shift (GST)		K-VT
Shuttle shift		Electro-hydraulic shuttle		
Main clutch		Hydraulic multi-plate wet disc		
Hydraulics				
System		Open centre	Closed centre, Load sensing	
Pump capacity	ℓ/min	80	110	
3-point hitch		Quick hook		
Control system		Electric draft control / Lower link sensing		
Category		III		
Lift capacity at ball end	kg	9000		
No. of remote valves		Maximum 4 valves (mechanical valves)	Maximum 5 valves (electronic valves), power beyond	
Rear PTO speeds	rpm	540 / 540E / 1000 / 1000E		
Front PTO speeds	rpm	1000		
Standard tyre 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	6500 - 6880		

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RH-M71-0112-2016

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