

For Earth, For Life Kubota



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KUBOTA DIESEL TRACTOR M6-101/M6-111 M6-131/M6-141 The new M6 Series deluxe mid-size tractors with more cab space offer a high level of comfort even under the most demanding jobs.

KUBOTA

M6-141

DRESSENTES JUST Keeps G

RACTOR eting Better!

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STRONG BUT GENTLE

A combination of advanced Common Rail System (CRS), Selective Catalytic Reduction (SCR), Exhaust Gas Recirculation (EGR) and Diesel Particulate Filter (DPF) Muffler makes our engines economical and clean with no sacrifice to power.

ADVANCED CONTROL

Take full advantage of the M6 Series tractors' performance with the powerful 24F/24R IntelliShift transmission and Kubota Electronic Management System (K-EMS).

MANEUVERABILITY

With features like the Bi-Speed Turn and electrohydraulic differential locks, the M6 Series give you enhanced stability and tighter control even under tough situations.

KUBOTA M6 SERIES TRACTOR M6-101/M6-111 M6-131/M6-141

STRONG BUT GEN

KUBOTA CLEAN DIESEL SOLUTION (K-CDS)

Kubota engines offer clean performance that exceeds even the latest emissions standards, thanks to the latest advances 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 ensures that the M6 Series to meet the Tier4 Final emissions regulations.

EPA Emission Regulation

Since 2012, EPA Tier4 Interim has been enforced on over 56kW off-highway diesel engines. Kubota has been executing emissions reductions for more than a decade. However, it is a big challenge this time. Furthermore, Tier4 Final will be enforced in 2015, and by which engine manufacturer must lower both PM (Particulate Matter) and NOx (Nitrogen Oxyde) to nearly zero level.







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KUBOTA

CRS

Kubota New Engines*

M6-101: 97.1HP w/ Common Rail System (CRS), turbocharger with intercooler

EGR

M6-111: 106.8HP w/ Common Rail System (CRS), turbocharger with intercooler

M6-131: 123.2HP w/ Common Rail System (CRS), turbocharger with intercooler

M6-141: 133.0HP w/ Common Rail System (CRS), turbocharger with intercooler

*Engine net power at rated rmp (ECE-R24)

PANORAMIC LUXU

Grand X CAB

Discover freedom from within. The M6 boasts one of the largest cabs in its class. We removed the center pillars and rounded the glass increasing both interior height and width to provide a more spacious feel. Wide-opening doors provide easier access while the unobstructed ceiling and fully flat floor guarantee more head- and legroom for a higher level of comfort even during long hours behind the wheel.





PANORAMIC LUXU







Tilt and Telescopic Power Steering Tilt and telescopic steering offers the ideal driving position while power steering makes steering easier even in rough terrain.



Deluxe Air-ride Seat All M6 Series tractors are equipped with a reclining and automatic height and weight control Air-ride seat that's especially designed to absorb shock and reduce operator fatigue.







Deluxe Heating and Air Conditioner The rounded cab and strategically placed ventilation ducts optimize airflow for yearround comfort.



Roof Panel The M6's roof panel offers a clear view above making it especially handy when raising the front loader. The roof is also tilt adjustable for fresh-air ventilation.



Instructor's Seat (Optional) Kubota also offers an optional instructor seat, which is useful when giving tutorials to new operators. Spaciousness is still maintained even with the seat unfolded.

NTUTIVE OPERA



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ERGONOMICALLY DESIGNED CAB

The M6's advanced cab is designed for great operating comfort. All displays, levers and controls – including those for audio and air conditioning – are strategically located on the right console or around the steering wheel for easy access and intuitive operation.



Hydraulic Shuttle Lever

Cleverly located behind the steering wheel, the one-touch hydraulic shuttle lever allows easy shifting between forward and reverse while keeping both hands on the wheel.



Operating Levers with Armrest Operating levers and switches for controlling hydraulics and shifts offer an ergonomically-designed armrest to increase ease of use and reduce fatigue.



Swivel Seat Equipped with an adjustable airsuspension system, contoured, and generously padded, you'll ride comfortably on your deluxe air-ride seat with swivel.



Parking Brake

ADVANCED CONTR



Control Console

User-friendly and ergonomically designed, the control console concentrates all operating controls and switches to your right-hand side, putting everything you need within easy reach. Everything is easy to see, easy to reach, and easy to use—making you more productive.

- 1. Shift lever (8-speed powershift)
- 2. Side digital LCD panel
- 3. Auxiliary control lever
- 4. PTO control knob
- 5. Work Kruise switch
- 6. Auto Mode switch
- 7. Downhill control switch
- 8. Front work light switch

- Rear work light switch
- 10. Rev-limiter control dial
- 11. Auto Mode sensitivity adjustment dial
- 12. 3-point hitch lowering speed adjustment dial
- 13. 3-point link mode switch
- 14. Draft sensitivity adjustment dial

- 15. Lift arm height limit adjustment dial
- 16. 3-point hitch limiter adjustment dial
- 17. 3-point lift control lever
- 18. Throttle lever
- 19. RPM dual memory switch
- 20. Powershift switches
- 21. One-touch 3-point lift / lower control switch



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NTELLI-SHIFT TRANSMISSION

(8-SPEED TRIPLE RANGE POWER SHIFT WITH AUTO-MODE)

Intelli-Shift Transmission

For maximum versatility, the 24F/24R Intelli-Shift transmission features an 8-speed powershift with a 3-speed, hi/mid/low range for 24 gears in forward

and reverse. A convenient single lever operates both the powershift and range shift. Upshift and downshift are also at the touch of a button. A sophisticated microprocessor enables smooth, fatigue-free powershifting, and generous gear overlap means less changing of gears during operation.





Two upshift/downshift . buttons Found on the shift lever as well as on the right-side armrest, you can quickly upshift (+) or downshift (-) with just a touch of a button.

M6-141 TRAVELING SPEED (F32/R32 w/ Creep Speed, 18.4 R38 rear tires) @ rated engine rpm

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Auto Mode

Auto Mode enables automatic shifting to maximize performance when your load or terrain changes. In Travel mode, the gears will be adjusted depending on road conditions and amount of acceleration; uphill and downhill. In Field mode, a downshift of 2 gears occurs once the three-point hitch has been raised. Field mode also keeps drops in PTO revolution to a minimum when the PTO switch is engaged.

Light soil

To maintain optimum working speed in the least demanding terrain, the transmission stays in your preset gear, for example 4th.



Heavy soil

For working in heavy soil, the transmission automatically downshifts to 3rd gear, then to 2nd, and 1st if required. When the terrain changes to light soil,

the transmission automatically shifts back up to 4th.



Auto Mode switch

Uphill To power up an incline, the transmission automatically downshifts up to 3 speeds after sensing an increase in engine load by dropping

the rom.





Auto Mode sensitivity adjustment dial

Downhill

When the crest of a hill has been reached, the transmission will automatically upshift in order to regain optimum working speed.

AUTO

display

Auto Mode status



CONTROL TECHNO

KUBOTA ELECTRONIC MANAGEMENT SYSTEM (K-EMS)

Work Kruise

The M6 Series engines feature an electronic governor that electronically keeps the engine revolution constant, preventing drops in PTO speed and enabling stable operation. Used with the transmission's Auto Mode feature, Work Kruise makes working with PTO-driven implements much more efficient.

RPM Dual Memory

With the press of a button, you can now pre-set and save up to two frequently used engine RPM settings. So whether you have a favorite setting for PTO work, front loader work, or changing directions, your Kubota runs just the way you want, without having to adjust the throttle.

Example: Setting A: PTO Work







Setting B: Front Loader Work



Rev-limiter Control Dial

With the simple turn of a dial, you can easily regulate engine revolution in 10 RPM increments.





Work Kruise OFF:

When Work Kruise is turned off, the engine operates like that of conventional tractors. When using the PTO, and there is a load increase on the engine, such as going uphill, throttle adjustments must be made to maintain PTO RPM, even if the engine RPM is set.



Work Kruise ON:

When engine RPM is set and Work Kruise is switched on, there is no need for throttle adjustment. The computer automatically adjusts the amount of fuel injection to maintain PTO RPM levels.





Dash Panel

To keep you in better control of your tractor, we've upgraded the dash panel to include an LCD and more information than ever before. All of the important functional data is yours at a glance, to keep you up-to-date on the job.

Main Digital LCD Panel



- 1. Shuttle position
- 2. Work Kruise and Rev-limiter
- 3. Auto Mode
- 4. Main shift (Power shift)
- 5. Range shift
- 6. 3-point link level (%)
- 7. -Engine RPM -Hour/Trip meter



Side Digital LCD Panel

The side digital LCD panel gives you precise control of your fieldwork, such as when spraying, by indicating travel speed and PTO RPM. It's conveniently located on your right, within easy view.

MANEUVERABILITY





Bi-Speed Turn

Without Bi-Speed Turn

Bi-Speed Turn

When the front wheels exceed a turning angle of about 35°, Kubota's Bi-Speed Turn rotates the front wheels at a rate of speed nearly twice that of the rear wheels. The result is a smoother, tighter turn, allowing you to turn into rows on your first attempt, or to easily maneuver around livestock yards or buildings.

Bevel-gear Front Axle

Another Kubota exclusive, the bevelgear front-wheel drive enables the tractors to achieve a tight turning radius, thanks to a generous 50° wheel-turning angle, enabling easy handling in varying conditions. The bevel gear design eliminates open U-joints and all components are hermetically sealed in oil.





Electro-Hydraulic Differential Locks

Getting bogged down in mud will no longer slow you down with this feature. Simply engage the electro-hydraulic differential locks on both front and rear wheels to achieve positive traction—and you're up and out and back on the job.



High Crop Clearance

To offer one of the highest crop clearance in their class, the front axle propeller shaft passes through the engine oil pan to provide ample clearance.

Front Suspension System

The front suspension helps give you a comfortable ride and stable and precise operation. It works seamlessly with a shock absorber to smoothly negotiate rough terrain. (Available as a factory option for M6-141 only)

Auto 4WD

Select the Auto 4WD mode, and your M6 tractor automatically switches from 4WD to 2WD when the traveling speed exceeds 12.5mph (20km/h). 4WD will re-engaged when the traveling speed falls below 10.5mph (17km/h). Auto 4WD not only lets you move smoothly at high range, but also saves fuel and reduces tire wear.



ULTRA PRODUCTIVE



Hydraulic Flow Valves and Auxiliary Control Valve

To ensure faster loader cycle times and instantaneous implement response, M6 Series tractors have high-flow, 18.7 gpm (M6-101/M6-111) and 20.4 gpm (M6-131/ M6-141) hydraulic pump. Two remote valves come standard—an SCD/Self-Canceling Detent and FD/Float-type valve. The maximum installation is 4 valves.



Individual Flow Control Valve (2 valves Standard, up to 4 Optional)

The standard individual flow control valve allows the hydraulic flow to be adjusted independently for up to 4 auxiliary control valves so each valve together or the valves and 3-point hitch can be operated simultaneously. The oil flow rate is easily regulated by adjusting each flow control dial.

Hydraulic System

For smooth implement handling and extra speed of front loader and rear implement operations, M6 Series tractors come equipped with gear-type hydraulic pumps. An external hydraulic cylinder improves lifting force and eases maintenance, while the adoption of an unload valve minimizes loss to hydraulic pressure to exert greater power during PTO operations when the 3-point hitch is not in use.

One-piece Full-open Hood

The one-piece hood fully opens for easy access to the engine for maintenance. The hood is also slanted to increase visibility.

Wrap-around Front Grill

The smooth, flat, and easy-to-clean front grill design prevents hay, straw, and grass from getting caught inside the tractor. And, by allowing a high volume of air to flow in, the engine stays cooler.

1 Live-Independent Hydraulic PTO

No matter what kind of work you need to do, you've got the power to operate a variety of rear-mounted implements with Kubota's 2-speed PTO (540 rpm and 1,000 rpm). To further increase productivity, our independent PTO can be engaged and disengaged by simply operating a control knob with automatic modulation for smooth engagement, and without stopping the tractor.

2 High Capacity 3P Hitch

Thanks to its large diameter outer cylinder*, the 3-point hitch offers extra lifting capacity to easily handle jobs that require heavy implements. *"High lift capacity is available as an option.*

3 Floating Lift Rods

The standard, both-side floating lift rods give these tractors a smoother ride and enhanced traction while using the 3-point hitch, especially on uneven terrain.

4 Quick Implement Hookup

The innovative design of the Category II 3-point hitch permits fast and easy implement attachment. The telescopic lower link ends, telescopic stabilizers, crank-style right-lift rod, and the left fender-mounted remote hitch switch all work together to make hookup a snap.

5 Trailer Coupler (7-Pin)

An electric outlet is standard for use with a trailer or additional electrical implements



6 Drawbar Bracket

Ultra-durable and ultra-tough, the super sturdy drawbar bracket can handle the roughest hauling jobs, such as pulling heavy trailers.



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Easy Cleaning and Maintenance

For fast cleaning, the sliding, louverless-type AC condenser and condenser net can be removed in a snap. The flat surface of the battery and tray also makes serviceability easier.



2

Air Filter

A large capacity air filter prevents harmful particulate matter from entering the cylinders to keep your tractor running for years on end.



Quad Front Lamps Two main head lights at the bottom and two work lights on the top of front mask increase visibility especially in dark and inclement conditions.

FRONT LOADER

Roof Panel

The Grand X's sunroof-type roof panel offers a clear view above the cab to help facilitate the checking of the front loader position.



Euro Quick Coupler

The Euro quick coupler will let you quickly attach and detach a wide variety of attachments with a simple operation.



Hydraulic Self-leveling Valve (Optional)

The hydraulic self-leveling mechanism gives the operator a clear view ahead because it doesn't require an upper loader link. This function can be switched off for times when bucket angles are more advantageous, for instance, during excavation.





Front Loader Joystick

Located in the control console for smooth and effortless shifting and better forward visibility, our Front Loader Joystick greatly simplifies front loader operation so you can concentrate more on the work ahead. The Series Circuit makes possible simultaneous boom and bucket operation while the Regenerative Bucket Dump Circuit enables quick dumping for efficient operation with quick cycle times.

Hydraulic Shuttle Lever

Conveniently located behind the steering wheel, the hydraulic shuttle lever eliminates the need to depress a clutch when shifting between forward and reverse.





Lifting Power and Height

KUBOTA

KIIPOTA

Two separate boom cylinder fulcrum points (Power position and Height position) give you the option to increase the loader's lifting power or height based on your needs. When using the pallet fork or bale spear, you may want to set the fulcrum to give you more height. For bucket work, a lower setting offers more power.

Quick Attach/Detach Loader

Attaching and detaching the front loader doesn't get easier, thanks to boom stands and two mounting pins. With easy-on and easy-off simplicity, and without tools, this feature is sure to contribute to your overall operating efficiency.

With a host of convenient options, Kubota's powerful and versatile front loader lets you take on a wider variety of chores.

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.

Single-lever Hydraulic Quick Coupler

The quick coupler allows the operator to attach all four hoses at once. This makes attaching and detaching quick and easy, even when you're doing it often.

Third Function Valve

The optional 3rd function valve broadens the scope of the front loader operation by enabling the use of a grapple bucket and various other hydraulically controlled attachments. The 3rd function valve can be activated with a button located on the grip of the joystick.

FRONT LOADER SPECIFICATIONS

FRONT LOADER		LA1955		LA2255	
Tractor Model		M6-101/M6-111		M6-131/M6-141	
		Height	Power	Height	Power
Maximum lift height to pivot pin	in. (mm)	145.7 (3700)	132.7 (3370)	161.4 (4099)	148.2 (3764)
Maximum lift height under level bucket	in. (mm)	136.6 (3470)	124.4 (3160)	152.0 (3862)	138.9 (3527)
Clearance with bucket dumped	in. (mm)	112.6 (2860)	98.0 (2490)	129.5 (3290)	116.4 (2956)
Reach at maximum lift height (45 deg.)	in. (mm)	19.3 (489)	34.0 (864)	30.0 (761)	45.5 (1157)
Maximum dump angle	deg.	52	63	50	60
Reach with bucket on ground	in. (mm)	87.8 (2230)		91.9 (2334)	
Bucket roll-back angle	deg.	40		40	
Digging depth	in. (mm)	2.4 (60)	2.6 (65)	5.2 (131)	5.2 (133)
Overall height in carrying position	in. (mm)	66.9 (1700)		74.0 (1880)	
Lift capacity to maximum height at pivot pin	lbs. (kg)	4178 (1895)	4299 (1950)	4711 (2137)	4877 (2212)
Lift capacity to maximum height (800mm forward)	lbs. (kg)	2668 (1210)	2976 (1350)	3135 (1422)	3477 (1577)
Lift capacity to 1.5M (59in) height at pivot pin	lbs. (kg)	4685 (2125)	5247 (2380)	5591 (2536)	6180 (2803)
Lift capacity to 1.5M (59in) height (800mm forward)	lbs. (kg)	3472 (1575)	4057 (1840)	4337 (1967)	4791 (2173)
Breakout force at pivot pin	lbs. (N)	5589 (24860)	6576 (29250)	6585 (29273)	7639 (33957)
Breakout force (800mm forward)	lbs. (N)	3864 (17190)	4991 (22200)	4879 (21687)	5657 (25147)
Bucket rollback force at maximum height	lbs. (N)	3084 (13720)	3615 (16080)	3965 (17627)	4601 (20451)
Bucket rollback force at 1.5M (59in) lift height	lbs. (N)	5814 (25860)		6439 (28622)	
Bucket rollback force at ground level	lbs. (N)	5802 (25810)		6398 (28439)	
Raising time	sec.	3.8		4.5	
Lowering time	sec.	3.3		3.9	
Bucket dumping time	sec.	2.1		2.4	
Bucket rollback time	sec.	2.5		3.0	

SPECIFICATIONS

Model		M6-101	M6-111	M6-131	M6-141			
Engine		V3800 – TI – CRS V6108 – TI – CRS						
Type (Make: Kubota)			Common Rail System, dir	ect injection, liquid-coole	d			
No. of cylinders / Aspiration	ı		4 / Turbocharger	with intercooler				
Engine power at rated rpm (97	7/68/EC) HP (kW)	104.5 (77.9)	114.1 (85.1)	131.6 (98.1)	141.4 (105.5)			
Engine net power at rated rpm (E	ECE-R24) HP (kW)	97.1 (72.4)	106.8 (79.7)	123.2 (91.9)	133.0 (99.2)			
PTO power at engine rated rpm HP (kW)		82 (61)	92 (69)	104 (78)	114 (85)			
Total displacement	cu.in. (cc)	230	(3769)	374 (6124)				
Bore × stroke	in. (mm)	3.94 × 4.72 (100 × 120)		4.65 × 5.51 (118 × 140)				
Rated speed	rpm	2600		2200				
Fuel tank capacity	gal. (ℓ)	50.2		(190)				
DEF tank capacity	gal. (ℓ)		4.2	. ,				
Alternator / Battery capacity		130 Amp/12 V, 100 At	130 Amp/12 V, 100 Ah at 20 hours, 900 CCA 130 Amp/12 V, 160Ah at 20 hours, 1090 CC					
Air cleaner	, 	•	ial-element	10" Dry, dual-element				
Muffler		o 2.), ao		r-post exhaust pipe				
Transmission		Intelli-Shift transmission						
No. of speeds (option)		24F/24R (32F/32R w/ creep)						
Main gear shift		8-speed powershift						
Range gear shift		3-speed mechanical shift with clutch button Microprocessor-controlled electro-hydraulic shuttle						
Shuttle shift)					
Bi-speed turn			Stan	dard				
Optional creep speed		0.11 – 0.42 mph	0.12 – 0.45 mph	0.12 –	0.46 mph			
Max. traveling speed	mph (km/h)	21.9 (35.3)	23.4 (37.7)	24.	3 (39.1)			
Main clutch type / diameter	in. (mm)	M	lultiple wet disc, electro-hyd	raulically operated / 5.2 (133)				
Brake type		Hydraulically op	gagement (4WD)*1					
Front wheel drive system		Bevel gear type, on-th	ne-go electro-hydraulic enga	gement, w/ electro-hydra	ulic front differential lock			
РТО								
РТО Туре		Live-independent PTO, hydraulically operated wet clutch, w/ PTO brake						
PTO speed (interchangeab	le)	540 rpm (6 splines) /1000 rpm (21 splines) (two shafts)						
Hydraulics Pump output (hitch & remot	te) gpm (ℓ/min.)	18.7 (70.9)		20.4 (77.2)				
Pump output (power steering	ng) gpm (ℓ /min.)	16.0 (60.4)		14.5 (54.8), 17.0 (64.3)* ²				
3-point hitch (Category II)			Telescopic lower link end	ds, telescopic stabilizers				
Control system		Electronic draft control, lower link sensing, left fender-mounted hitch switch standard						
Lift capacity at 24 in. behind lift point SAE Ibs. (kg)		6834 (3100), optional 9447 (4285)						
Lift capacity at 24 in. behind lift point OECD lbs. (kg)			5732 (2600), opti	onal 7496 (3400)				
Remote valves			2 standard (3rd, 4th option	nal) w/ built-in flow contro	bl			
Steering		Hydrostatic power steering						
Cab			, ,	Ū				
Operator area		ISC	-mounted flat deck, hanging	g pedals, tilt & telescopic	wheel			
Seat (air ride)		Swivel, reclining, f	ull adjustment (height, weig	ht, fore & aft.), arm rests,	retractable seat belt			
Lighting		2 headlights, 4 front working lights, 2 rear working lights, 2 tail lights, 4 safety flashers						
Standard features					30 Amp electric outlet, tinted glass, f panel, door glass with IR-cut film			
Dimensions & weight								
Wheelbase	in. (mm)	95.9	(2435)	105.9 (2690)	105.9 (2690), 105.5 (2680)*2			
Overall width (minimum trea	ad) in. (mm)	82.7	(2100)	85.8	3 (2180)			
Overall length	in. (mm)		(4200)	171.7 (4360) 171.7 (4360), 171.3 (4350)*				
Overall height	in. (mm)	109.8 (2790)	111.8 (2840)	· · · · · · · · · · · · · · · · · · ·				
Crop clearance	in. (mm)	17.7 (450)	19.5 (495)	22.2 (565)				
Tread width Front	in. (mm)		(1580 – 1680)	69.9 – 73.8 (1775 – 1875)				
Rear	. ,		60.2 - 80.3 (1530 - 2040)		3 (1590 – 2090)			
Turning radius (w/o brake)	ft. (m)	, ,	(4.0)* ³		8 (4.2)* ³			
Weight (w/ standard tire)	lbs. (kg)	9601 (4355)	9789 (4440)	10945 (4965)	10945 (4965), 11387 (5165)*			
Standard front tire		12.4 R24 13.6 R24		14.9 R24				
Standard rear tire		18.4 R30	18.4 R34		.4 R38			
Other optional equipment					weights, front weight bumper			
		for 16 weights (M6-131 3rd/4th remote valve w/ fl	, M6-141 only), front weights	, rear wheel weights, drav litional front worklights (1	wbar clevis, rear defogger, each on front safety flasher),			

*1 The front axle is engaged automatically for braking purposes when both brake pedals are pressed together, regardless of whether 4WD or 2WD is activated.

*² M6-141 optional front suspension model only.
*³ W/ Bi-speed turn, 4WD ON.

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. See dealer for complete warranty details. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt in almost all applications. For complete operational information, the operator's manual should be consulted. Not for sale in Nebraska.

Kubota also offers a full line-up of M-Series tractors. These tractors are the pinnacle of size, power, and performance.



M6060/M7060



Kybota

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