



For Earth, For Life

Kubota

M

## KUBOTA DIESEL TRACTOR M130X

With increased horsepower, enhanced management control, and amazing versatility, the new M130X deluxe tractor helps you take on any tough job with ease.



*With this new deluxe tractor, you get all the best a tractor can offer.*

## POWER

This powerhouse tractor puts a robust 130HP engine at your command. Featuring a new electronic governor control system, its clean-running CRS (Common Rail System) engine delivers more torque, better traction, more stable operation, as well as reduced noise and vibration.

## PRODUCTIVITY

The M130X delivers the power, tools and manoeuvrability you need to get the job done. With features like high-performance hydraulics, live-independent PTO, electro-hydraulic differential locks and Bi-Speed Turn, the M130X promises to make you more productive.



# PREMIUM



## CONTROL TECHNOLOGY

Kubota has enhanced tractor operations with its all-new electronic engine control. This new computerised system gives you constant engine revolution—keeping PTO revolution constant as well. It features an innovative RPM memory function, so your Kubota always runs at your preferred setting. Plus, Kubota has introduced an integrated controller area network (CAN) to deliver optimal control.

## COMFORT

Our ultra-quiet and spacious cab maximises comfort and operability. With the ultra-plush deluxe air-ride seat, ample operating space, a wide, unobstructed view, ergonomic armrests and a streamlined look, you'll have enough luxury to keep working comfortably all day long.

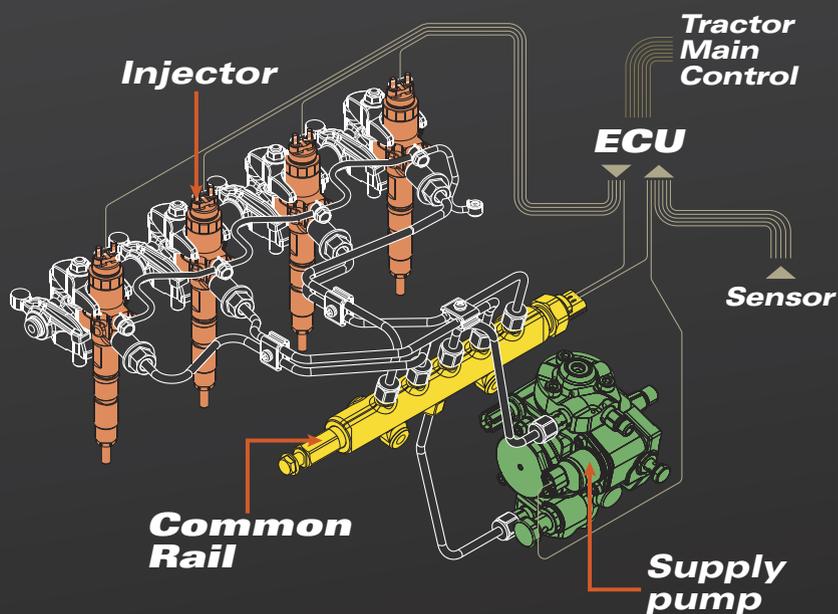
# TRACTOR

*The new M130X is a powerful force—on the farm and in the field.*

# POWER

## *CRS (Common Rail System)*

Kubota's CRS engine gives you the high torque you need to power through any tough task. The CRS electronically controls the timing and amount of fuel injection, delivering high-pressure injections in stages, rather than all at once. This creates an optimal combustion rate, offers greater efficiency in the cylinder, and leads to less engine noise and better fuel efficiency. In addition, the CRS helps reduce emissions and makes this tractor EU Stage III-compliant.



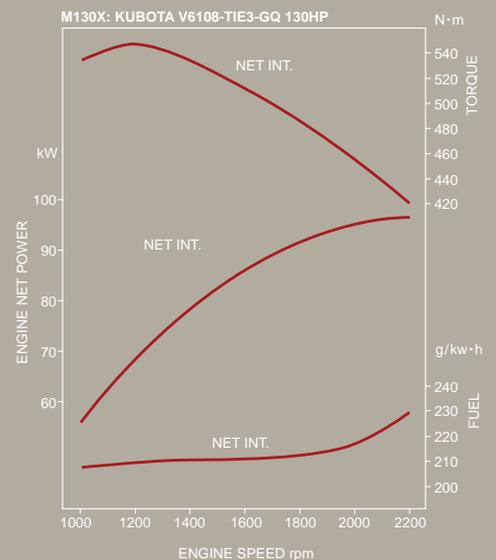
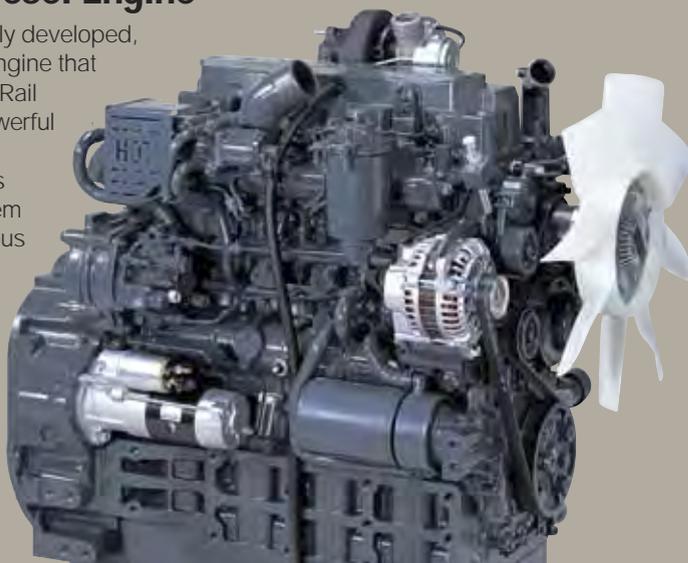
Kubota delivers the power you need to see the job through.

The M130X features a fully computerised Common Rail engine that provides the horsepower you need to lug heavy loads and conquer the most expansive fields. Plus, this engine features a new electronic governor to provide constant engine RPM and smooth, stable operation. If it's power you want, look no further.



## V6108 Kubota Diesel Engine

The M130X features a newly developed, 4-cylinder Kubota diesel engine that employs a CRS (Common Rail System) and delivers a powerful 130HP. This low RPM/high torque engine also features powerful Waste Gate System turbocharger, for tremendous lugging and recovery power. Boasting a large displacement of 6124cc, this new engine is highly reliable and delivers incredible torque, power and high output.



*With Kubota's advanced and intelligent engine and transmission systems, you'll work smarter—not harder—and be in complete control of your tractor.*

# CONTROL TECHNOLOGY

## KUBOTA ELECTRONIC MANAGEMENT SYSTEM (K-EMS)

### Work Cruise

The M130X engine features a new electronic governor that gives you electronic control of engine RPM. Activating the system keeps engine revolution constant, preventing drops in PTO speed and enabling stable operation. Used with the transmission's Auto Mode feature, Work Cruise makes working with PTO-driven implements much more efficient.



### Rev-limiter Control Dial

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

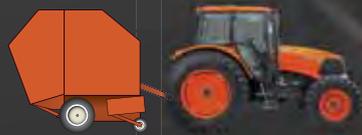
### RPM Dual Memory

With the press of a button, you can have your preferred RPM. You can pre-set and save up to two frequently used engine RPM settings, so whether you have a favourite 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**



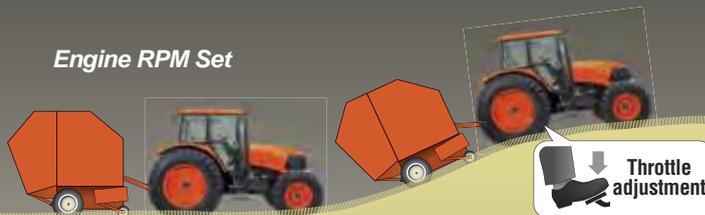
### Integrated Control System

An integrated controller area network (CAN) connects all microprocessors (engine, transmission, hydraulics, operational controls). This innovative system monitors tractor status and operator actions to provide optimal, integrated control of the tractor—dramatically improving work efficiency and precision.

### Work Cruise OFF:

When Work Cruise 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.

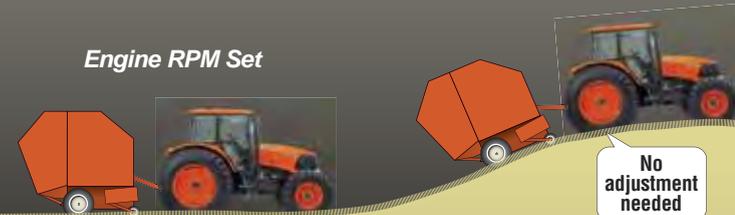
Engine RPM Set



### Work Cruise ON:

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

Engine RPM Set



The M130X is loaded with a wide variety of intelligent features that give you precise control of tractor operations. From the new electronic engine control and Intelli-Shift Transmission, to the new dash panel and single-lever operation, Kubota gives you more control than you've ever had before.

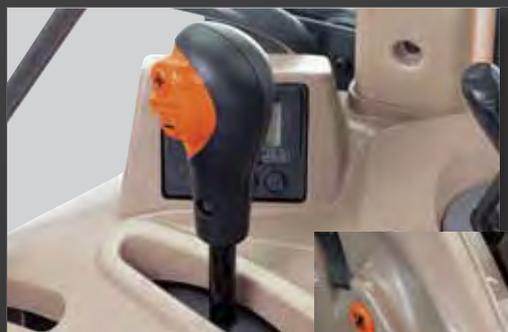
# OGY

## INTELLI-SHIFT TRANSMISSION

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

### Intelli-Shift Transmission

For maximum versatility, the 16F/16R Intelli-Shift transmission features an 8-speed powershift with 2-speed, hi/low range for 16 gears in forward and reverse (24F/24R with the optional cassette-type creep speed kit). 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.



### Auto Mode

Our Auto Mode is a must-have feature that enables the tractors to automatically shift in a maximum range of 4 gears (the preset gear and 3 up or downshifts) to maximise performance when your load or terrain changes. In Travel mode, the tractors will adjust gears depending on road conditions and amount of acceleration; uphill and downhill. The transmission automatically downshifts 3 gears and will upshift again once in motion. In Field mode, to better accommodate turning, a downshift of 2 gears occurs once the three-point hitch has been raised. When the PTO switch is engaged in Field mode, timely downshifting and precise clutch control keep drops in PTO revolution to a minimum. And now, the Auto Mode also features a display to alert you before, and during, gear drops.



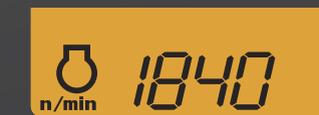
Auto Mode switch



Auto Mode sensitivity adjustment dial



Auto Mode status display



### Auto Shifting in Auto Mode

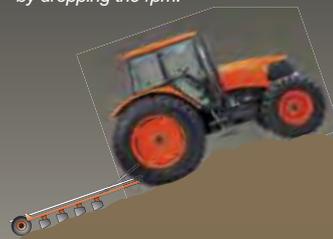
**Light soil**  
To maintain optimum working speed in the least demanding terrain, the transmission stays in your preset gear, for example 4th.



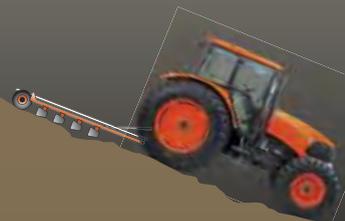
**Heavy soil**  
For working in heavy soil, the transmission automatically downshifts to 3rd gear, then to 2nd, and 1st if required. When the terrain changes to light soil, the transmission automatically shifts back up to 4th.



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



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



*Hard working. Easy to control.  
The M130X takes on your most  
demanding jobs.*

# PRODUCTIVITY

## High 3-point hitch lifting capacity

Kubota has increased the 3-point hitch lifting capacity to 5,800kg, allowing you to use large implements, such as four-furrow reversible ploughs, with ease.

## Crank-type lift rod adjuster

This feature allows the operator to adjust the left-right tilt of attached implements.

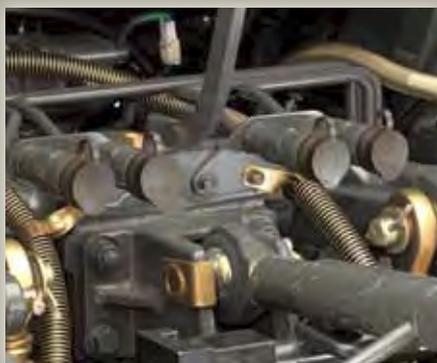


## Live-independent hydraulic PTO

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 new control knob with automatic modulation for smooth engagement, and without stopping the tractor.



*(Note: Hitch differs in each country.)*



## High-performance hydraulic system

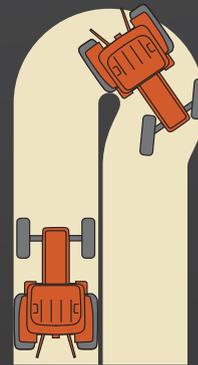
To ensure faster loader cycle times and instantaneous implement response, the M130X tractor has high-flow 77.0 lpm hydraulic valves. The optional flow control valve also provides simultaneous operation of the 3-point hitch and a remote valve, or two remote valves. Adjustment of hydraulic flow from 0 to maximum is also possible. Two remote valves come as standard on the M130X tractor—an SCD/Self-Cancelling Detent and FD/Float-type valve. The maximum installation is 4 valves (3 valves with a flow control valve).



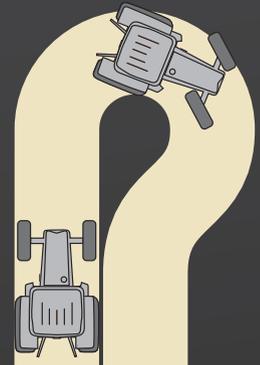
## Trailer coupler and hydraulic trailer brake

An electric outlet and a hydraulic trailer brake are standard for use with a trailer or additional implements.

The nimble and efficient M130X offers a wide variety of high-performance features that let you work efficiently and productively. The powerful and versatile hydraulic system, live independent PTO, Bi-Speed Turn and bevel-gear front axle are just a few of the many benefits that make this tractor invaluable in the field. If it's productivity you want, you want the M130X.



**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 manoeuvre around livestock yards or buildings.

### Bevel-gear Front Axle

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

### High Crop Clearance

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



### External 3-point hitch control buttons

With these conveniently placed buttons, the operator can more easily attach or detach implements.



### Quick hitch lower link ends

Save time and energy with this helpful feature. An easy-to-operate lever makes attaching and detaching implements easier.



### 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.

*You spend a lot of time in your tractor, shouldn't you be comfortable?*

# COMFORT

## **Under-Bonnet Corner-Post Exhaust Pipe (Standard)**

Typically offered as an expensive option, Kubota's under-bonnet corner-post exhaust pipe is standard equipment on the M130X. And we've strategically routed it to give you a clear, unobstructed view of what's ahead.



### **Wide Rear View**

To help you perform jobs more efficiently and safely, the lower rear panel has been replaced with glass. You'll always have a clear view of what's going on behind you.



### **Operating Levers With Armrest**

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



### **Finger-Touch Hand Throttle Lever**

The tractor features a new electric hand throttle, which requires less force to operate and gives you easier and more precise control.

At Kubota, we know your tractor is your home away from home, and we've gone all-out to ensure maximum comfort. With its ultra-quiet cab, deluxe air-ride seat, unobstructed view and more, you'll feel right at home when you're out on the job.



### Wide Unobstructed View

We've maximised the glass area around the frameless doors and concealed the pillars. A bottom-hinged windshield wiper enhances visibility by wiping the lower glass area, right up to the front tyres. Plus, the standard-equipped under-bonnet corner-post exhaust pipe is specially placed to remain out of the way and give you a clear view.



### Deluxe Air-ride Seat

Equipped with a controlled and generously padded adjustable air-suspension system, you'll ride comfortably on your deluxe air-ride seat with swivel.



### Rounded Over-sized Fenders

Made from ultra-durable FRP fiberglass, our large, rounded fenders provide increased protection from mud, dirt, dust, and other flying debris, while giving the tractor a more streamlined appearance.



### Radio-CD



### Deluxe Air Conditioner



### Passenger Seat (Optional)

Kubota also offers an optional passenger seat which enables you to drive on public roads with your 2nd operator.

*With Kubota, you'll have routine maintenance down to a science.*

# EASY MAINTENANCE



We know that undertaking maintenance on your tractor means you're not out there getting the job done. So, we've designed our new tractors to include a wide array of timesaving features to get you back to work in no time.



### 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.



### Slanted Full-open Bonnet

The slanted bonnet increases visibility, and the deluxe headlights illuminate night work. Plus, the bonnet's dual gas shock assist allows it to open easily, simplifying engine maintenance.



### Dual-Element Air Cleaner

The M130X features a dual-element air cleaner, making it ideal for long hours in less-than-hospitable conditions. The engine runs cleaner and stronger. Down time due to maintenance is also reduced.



### Easier Cleaning and Maintenance

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



### Removable Seat Panel

Need to access the hydraulic valves or sensor-related components? Simply remove the seat panel, and they're right there in front of you. It doesn't get any easier.



*Lift more, lift it higher,  
and control it with ease.*

**NEW**

# FRONT LOADER

## **Euro Quick Coupler**

A standard feature on the LA2253 Loader, the quick coupler will let you quickly attach and detach a variety of Euro-type attachments with a simple operation.



## **Kubota Shockless Ride (KSR)**

The KSR helps to minimise 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.



## **Single-lever Control**

Fatigue-reducing and very efficient, our single-lever joystick control 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.

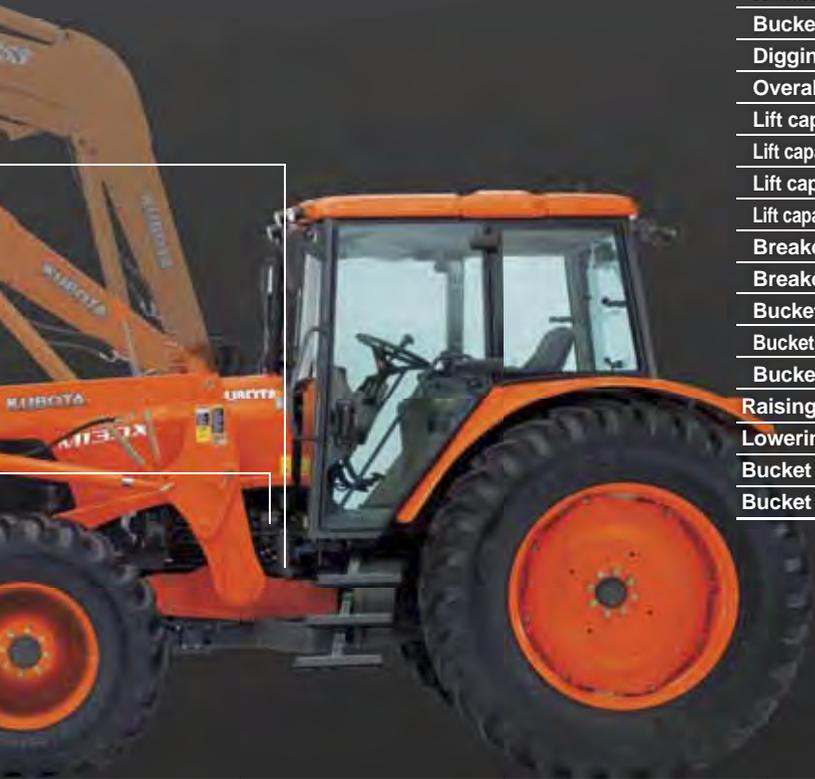
*(Joystick pictured features optional 3rd function valve button.)*



Kubota's new LA2253 front loader offers exceptional lift height and capacity, so you'll be able to do more with your tractor. Plus, its single-lever control, hydraulic self-levelling valve and hydraulic coupler make front loader operations easier than ever.

### Hydraulic Self-levelling valve (Optional)

The hydraulic self-levelling 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.

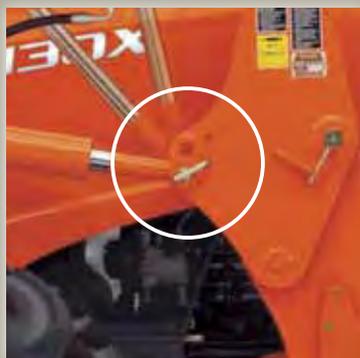


## FRONT LOADER SPECIFICATIONS

FRONT LOADER		LA2253	
Tractor Model		M130X	
		Height	Power
Maximum lift height to pivot pin	mm	4099	3764
Maximum lift height under level bucket	mm	3862	3527
Clearance with bucket dumped	mm	3290	2956
Reach at maximum lift height (45 deg.)	mm	589	984
Maximum dump angle	deg.	50	60
Reach with bucket on ground	mm	2334	
Bucket roll-back angle	deg.	40	
Digging depth	mm	131	133
Overall height in carrying position	mm	1880	
Lift capacity to maximum height at pivot pin	kg	2137	2212
Lift capacity to maximum height (800mm forward)	kg	1422	1577
Lift capacity to 1.5M (59in) height at pivot pin	kg	2536	2803
Lift capacity to 1.5M (59in) height (800mm forward)	kg	1967	2173
Breakout force at pivot pin	N	29273	33957
Breakout force (800mm forward)	N	21687	25147
Bucket rollback force at maximum height	N	17627	20451
Bucket rollback force at 1.5M (59in) lift height	N	28622	
Bucket rollback force at ground level	N	28439	
Raising time	sec.	5.3	
Lowering time	sec.	4.1	
Bucket dumping time	sec.	2.4	
Bucket rollback time	sec.	3.0	

### Lifting Power and Height

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.

# Specifications

Model	M130X		
<b>Engine</b>			
Type (Make: Kubota)	V6108 Common Rail, direct injection		
No. of cylinders / Aspiration	4 / Turbocharger with intercooler		
Rated speed	rpm	2200	
Engine net power	kW (HP)	96.9 (130.0)	
PTO power	kW (HP)	84.3 (113.0)	
Total displacement	cm <sup>3</sup>	6124	
Fuel tank capacity	ℓ	190	
Air cleaner	Dry, dual-element		
Alternator	Amp	80	
<b>Transmission</b>			
No. of speeds	16 forward / 16 reverse (24 forward / 24 reverse w/ optional creep)		
Max. speed	km/h	39.64	
Main gear shift	8 speeds power shift (w/ auto)		
Range gear shift	2 speeds, synchronised		
Hydraulic shuttle	Standard, column mounted lever		
Main clutch type	Hydraulic multi-plate wet disc		
Brake type	Hydraulic wet discs, 4-wheel braking		
Trailer brake	Standard		
4WD engagement system	Electro-hydraulic w/ Bi-speed		
Differential lock (Front / Rear)	Hydraulic / Hydraulic		
<b>PTO</b>			
PTO type	Live-independent PTO (electro-hydraulic)		
Speed	rpm	540 / 1000	
<b>Hydraulics</b>			
Pump capacity (3-point hitch)	ℓ/min.	77.0	
3-point hitch (Category II)	Quick-hitch lower link ends, telescopic stabilisers		
Category	II		
Control system	Position, draft control (lower link sensing) & mix control		
Lift capacity at link end	kg	5800	
Lift capacity at 610 mm behind lift point	kg	4900	
No. of standard remote valves	2 standard (3rd, 4th & flow control valve optional)		
<b>Other features</b>			
Steering	Hydrostatic power steering		
Bonnet type	Full-open, slanted		
Deck type / Pedal type	Full flat deck / Hanging pedals		
Panel type	Electronic		
<b>Standard tyre size (front / rear)</b>	420/70R24 / 520/70R38		
<b>Dimensions &amp; weight</b>			
Overall length	mm	4400	
Overall height	mm	2750	
Overall width (min.)	mm	2175	
Wheelbase	mm	2690	
Min. ground clearance	mm	515	
Tread width	Front	mm	1660 – 1770
	Rear	mm	1660 – 1755
Turning radius (w/o brake)	m	5.0	
Tractor weight (w/o ballast)	kg	4390	

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only.

For your safety, Kubota strongly recommends the use of a seat belt in almost all applications.

For complete operational information, the operator's manual should be consulted.

©2014 Kubota Corporation



[www.kubota.co.za](http://www.kubota.co.za)



Tel: +27 11 284 2000  
[www.smithpower.co.za](http://www.smithpower.co.za)

Cat.No.5411-01-SAF Printed in Japan.D.REX.'14-FEB.