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







# KUBOTA TRACTOR CORPORATION 1000 Kubota Drive, Grapevine, TX 76051 Tel 888-4 KUBOTA Visit our web site at: kubotaUSA.com







## For Earth, For Life

## 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.





## STRONG BUT GENTLE



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**

With the start of 2012, EPA Tier4 Interim will enforced to 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.

Tier1
Tier2
Tier3
Tier4 Interim
NOxHC



# PANORAMIC LUXURY

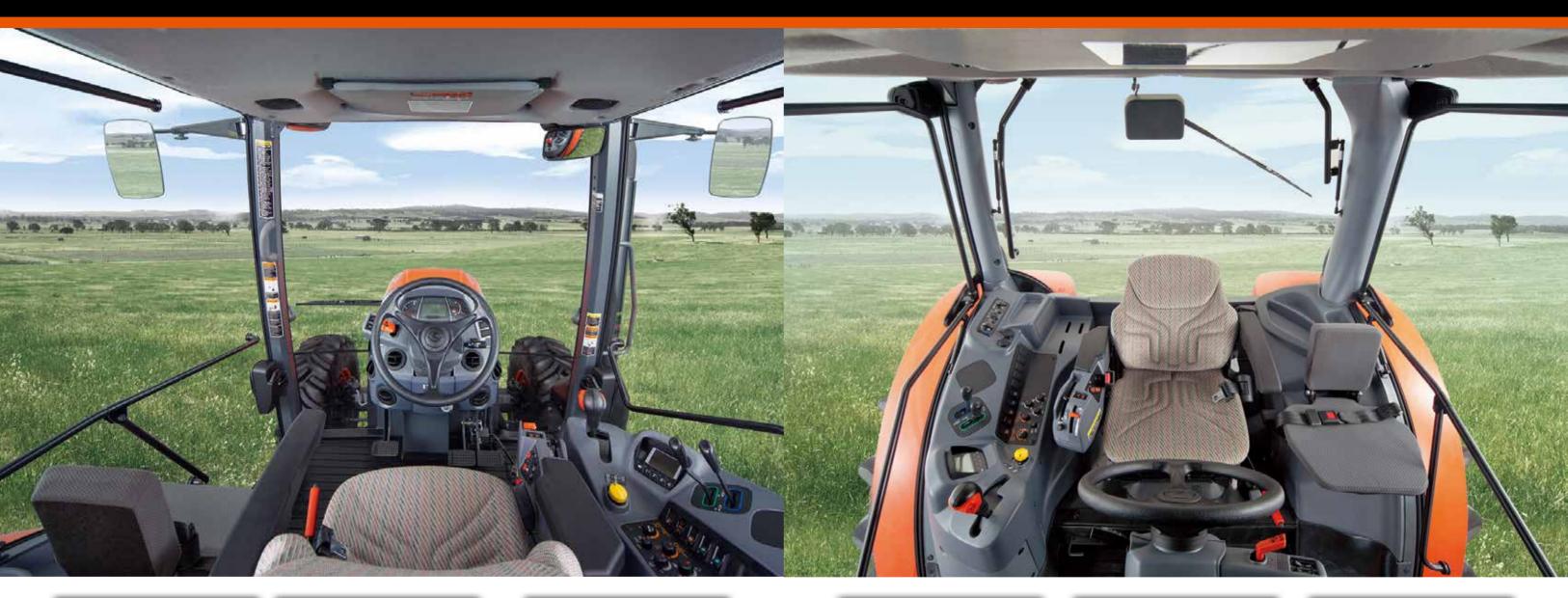
### **Grand X CAB**

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 LUXURY







#### **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 fatique.



#### **Deluxe Heating and Air Conditioner**

The rounded cab and strategically placed ventilation ducts optimize airflow for year-round comfort.



#### **Roof Panel**

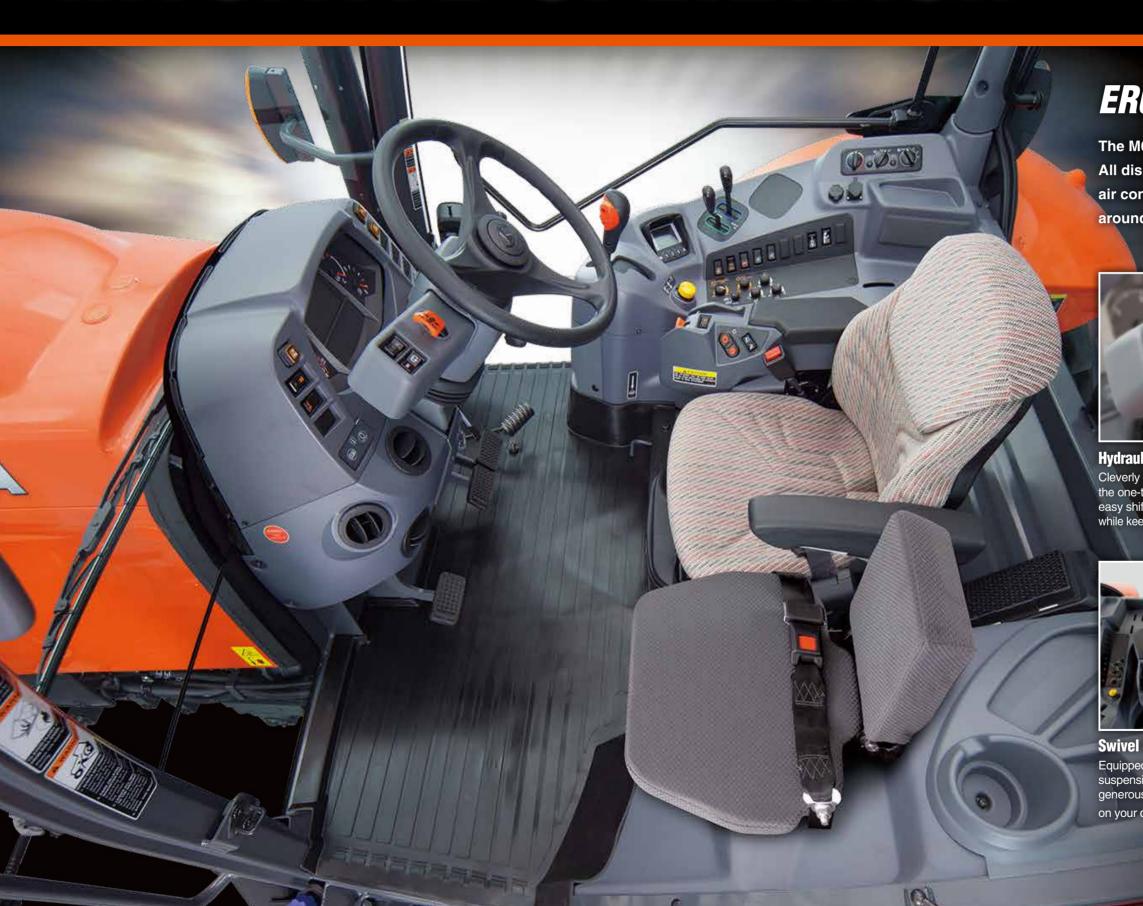
The M6's roof panel offers a clear view above making it especially handy when raising the front loader. The roof is also tilt adjustable for fresh-air ventilation.



#### **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.

# INTUITIVE OPERATION



### 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 CONTROL



### **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 usemaking 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

- 9. Rear work light switch
- 10. Rev-limiter control
- 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
- 18. Throttle lever
- 19. RPM dual memory switch
- 20. Powershift switches
- 21. One-touch 3-point lift / lower control switch

#### **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



#### 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

## **Auto Mode sensitivity** adjustment dial

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

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

display



Auto Mode status



## CONTROL TECHNOLOGY

### 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 PTOdriven 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















#### 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.

#### **Enaine RPM 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.

#### Enaine RPM Set

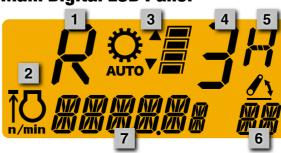




#### **Dash Panel**

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







#### **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.



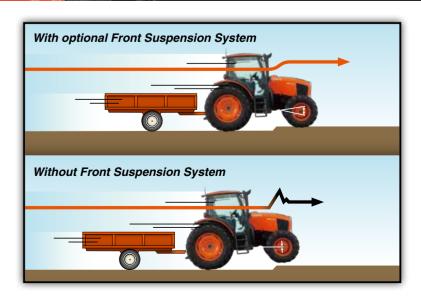
#### **Front Suspension System**

The front suspension helps give you a comfortable ride, stable, precise operation and maintains traction to the ground during travel and while pulling 3P mounted and drawbar implements. 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 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.

### **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.

### 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.

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

### 1 Live-Independent Hydraulic PT0 2 High Capacity 3P Hitch No matter what kind of work you need Thanks to its large diameter outer

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.

## 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.

### 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.



#### **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.



engagement, and without stopping the tractor.

#### **Air Filter**

A large capacity air filter prevents harmful dirt and contamination from entering the engine 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.



#### 2-lever Quick Coupler/Euro Quick Coupler

You can choose from two types of quick attachment couplers. Both let you quickly attach and detach a wide variety of attachments with a simple of





#### **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 when the operator prefer full control of the loader and self-leveling is not required.





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.



**Front Loader Joystick** 

operation with quick cycle times.

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





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.

## FRONT LOADER OPTIONS

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 3<sup>rd</sup> 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 3<sup>rd</sup> function valve can be activated with a button located on the grip of the joystick.

#### FRONT LOADER SPECIFICATIONS

FRONT LOADER	ADER LA1955		955	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 – T	T – CRS	V6108 -	-TI – CRS			
Type (Make: Kubota)			Common Rail System, dir	ect injection, liquid-cooled				
No. of cylinders / Aspiration			4 / Turbocharge	r with intercooler				
Engine power at rated rpm (97/68/E	C) HP (kW)	104.5 (77.9)	114.1 (85.1)	131.6 (98.1)	141.4 (105.5)			
Engine net power at rated rpm (ECE-R2	24) 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 (3	769)	374	(6124)			
Bore × stroke	in. (mm)	3.94 × 4.72 (	100 × 120)	4.65 × 5.51 (118 × 140)				
Rated speed	rpm	260	00	2200				
Fuel tank capacity	gal. (ℓ)		50.2	(190)				
DEF tank capacity	gal. (ℓ)		4.2	, ,				
Alternator / Battery capacity	. ,	130 Amp/12 V, 100 Ah a	at 20 hours, 900 CCA	130 Amp/12 V, 160Ah at 20 hours, 1090 CCA				
Air cleaner		8" Dry, dual-element		10" Dry, dual-element				
Muffler		5 2.y, ada		1				
Transmission		Under-hood, corner-post exhaust pipe  Intelli-Shift transmission  24F/24P (32F/32P w/ crops)						
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						
Shuttle shift		Microprocessor-controlled electro-hydraulic shuttle						
Bi-speed turn			Stan					
Optional creep speed		0.11 – 0.42 mph	0.12 – 0.45 mph		0.46 mph			
Max. traveling speed	mph (km/h)	21.9 (35.3)	23.4 (37.7)		(39.1)			
Main clutch type / diameter	in. (mm)	Mu						
Brake type		Hydraulically operated wet disc brakes, with automatic front axle engagement (4WD) <sup>⋆¹</sup>						
Front wheel drive system		Bevel gear type, on-the	-go electro-hydraulic enga	gement, w/ electro-hydrau	ulic front differential lock			
PTO T								
PTO Type		Live-independent PTO, hydraulically operated wet clutch, w/ PTO brake						
PTO speed (interchangeable)		54	40 rpm (6 splines) /1000 rp	om (21 splines) (two shafts	S)			
Hydraulics Type			Droccuro componento	d / Fixed displacement				
Pump output (hitch & remote)	gpm (ℓ/min.)	19.7 (	•	d / Fixed displacement 20.4 (77.2)				
Pump output (power steering)	gpm ( $\ell$ /min.)	18.7 (70.9) 16.0 (60.4)		14.5 (54.8), 17.0 (64.3)* <sup>2</sup>				
3-point hitch (Category II)	gpiii (ɛ/iiiii.)	` ,		ds, telescopic stabilizers				
Control system		Electronic droft o			a awitah atandard			
•	AE Ibo (kg)	Electronic draft control, lower link sensing, left fender-mounted hitch switch standard						
Lift capacity at 24 in. behind lift point SAE lbs. (kg)		6834 (3100), optional 9447 (4285)						
Lift capacity at 24 in. behind lift point OE	CD ibs. (kg)	5732 (2600), optional 7496 (3400)						
Remote valves			2 standard (3rd, 4th optional) w/ built-in flow control					
Steering			Hydrostatic p	ower steering				
Cab Operator area		ISO-r	mounted flat deck hanging	nedals tilt & telesconic v	wheel			
Seat (air ride)		ISO-mounted flat deck, hanging pedals, tilt & telescopic wheel						
Lighting		Swivel, reclining, full adjustment (height, weight, fore & aft.), arm rests, retractable seat belt 2 headlights, 4 front working lights, 2 rear working lights, 2 tail lights, 4 safety flashers						
Standard features		2 neadingnts, 4 front working lights, 2 rear working lights, 2 tall lights, 4 safety flashers  Heater/Air conditioner, sun visor, front wiper/washer, rear wiper/washer, beverage holder, 12V. 30 Amp electric outlet, tinted						
Standard reatures		2 external mirrors, 1 internal mir	•					
Dimensions & weight Wheelbase	in. (mm)	95.9 (2	435)	105.9 (2690)	105.9 (2690), 105.5 (2680)			
Overall width (minimum tread)	in. (mm)	82.7 (2	100)	85.8	(2180)			
Overall length	in. (mm)	165.4 (4	4200)	171.7 (4360)	171.7 (4360), 171.3 (4350)			
Overall height	in. (mm)	109.8 (2790)	111.8 (2840)	· ·	? (2875)			
Crop clearance	in. (mm)	17.7 (450)	19.5 (495)	22.2	? (565)			
Tread width Front	in. (mm)	62.2 – 66.1 (1	· ·		(1775 – 1875)			
Rear	in. (mm)	59.8 - 81.1 (1520 - 2060)	·		(1590 – 2090)			
Turning radius (w/o brake)	ft. (m)	13.1 (4	, ,		(4.2)*3			
Weight (w/ standard tire)	lbs. (kg)	9601 (4355)	9789 (4440)	10880 (4935)	10880 (4935), 11387 (5165)			
Standard front tire	(7.9)	12.4 F		` '	9 R24			
Standard rear tire		18.4 F			4 R38			
Other optional equipment		80" wide axle kit, 3-point hig for 16 weights (M6-131, I 3rd/4th remote valve w/ flow	gh capacity lift cylinders, fro M6-141 only), front weights	ont weight bumper for 12 w s, rear wheel weights, draw ditional front worklights (1 e	reights, front weight bumpe rbar clevis, rear defogger, each on front safety flasher)			

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

<sup>\*2</sup> M6-141 optional front suspension model only.

<sup>\*3</sup> 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.