

Kubota®



KUBOTA DIESEL TRACTOR

M

**M96S/M108S** *Swing Shift  
& Swing Shift* **Plus**

New styling, a cleaner running engine and all the power you've come to expect from our M-Series tractors.



# *With the new, redesign running Kubota, the sk*

The turbocharged M96S and M108S allow you to take on a variety of tasks. Ideal for hay and cattle operations, these economical machines are also great for dairy uses, forage, mowing and more. And not only are these new tractors versatile, they also feature a brand new hood design, which you've probably already noticed, and the M108S boasts cleaner engine emissions, which you'll surely notice once you drive it. Add these to an array of other improvements, including higher horsepower engines, more powerful PTOs and increased loader capacity, and the mid-size M96S and M108S just may be the most productive, hard-working tractors in their class.



*ed and cleaner  
y's the limit.*



# ENGINE

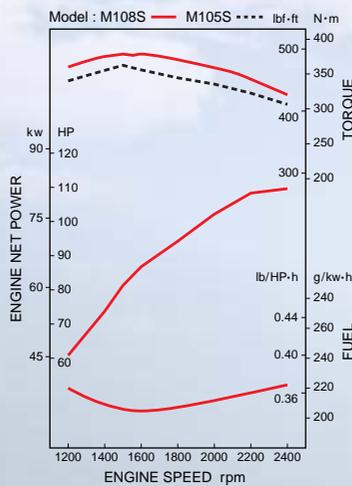
The M96S and the M108S are built with the power and durability to take on even the most heavy-duty tasks. This is due to their 4-valve, Electronic Center Direct Injection System engines, which help them realize greater pulling power.



**NEW!**

## M108S Engine

The engine of the M108S has been redesigned and reengineered. Of course, it boasts the same durability and quality you've come to expect from Kubota E-CDIS diesel engines. But, this new turbocharged engine is now cleaner than ever before, offering higher torque and incredible pulling power. The CRS (Common Rail System) and Cooled EGR (Exhaust Gas Recirculation) System reduce emissions, helping with compliance to U.S. EPA Tier III emissions regulations. We've increased horsepower to 108 on the M108S and PTO power from 93 to 96HP. These are big changes for a big tractor, and ones you'll certainly observe out in the field.



# M96S Engine

Put the M96S into gear and you'll immediately see that this 95 horsepower engine will give you all the strength you need. You'll feel this in all applications, but you'll especially notice it when pulling heavy loads. The M96S's engine specs also boast a PTO output of 84 horsepower, low fuel consumption and it meets EPA Tier II emission regulations. Best of all, this engine comes standard with legendary Kubota reliability.

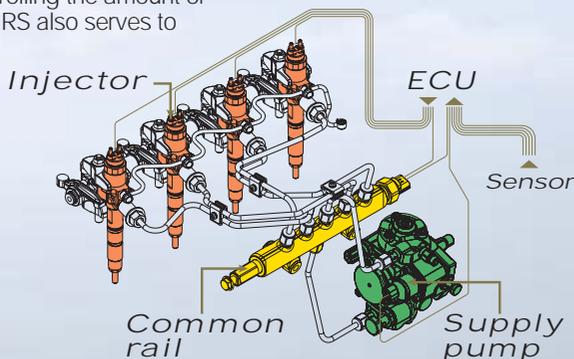


# M108S engine



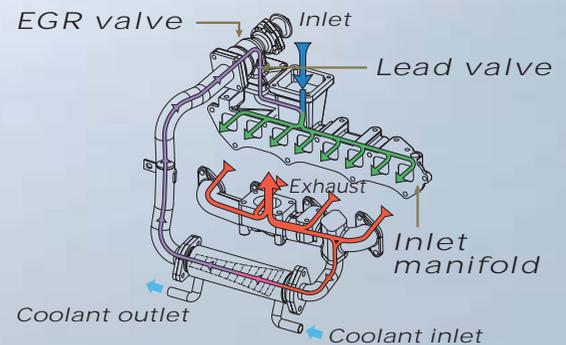
## CRS (Common Rail System)

Typically found in automobiles to help reduce emissions and decrease fuel consumption, CRS has been implemented on our M108S engine to accomplish the same results. The CRS electronically controls the timing and amount of fuel injection. By delivering high-pressure injections in stages, rather than all at once, an optimal combustion rate is achieved, thus offering greater efficiency in the cylinder. This equates into less combustion noise, commonly known as "diesel knocks", better fuel efficiency and cleaner emissions. By controlling the amount of fuel injection, the CRS also serves to provide greater torque so that operations in the mid-to-high revolution range, such as baling, can be performed more smoothly.



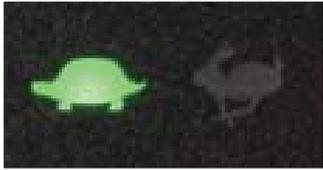
## Cooled EGR System

Our Cooled EGR (Exhaust Gas Recirculation) System aims at the same end as the CRS; to reduce noxious emissions. Specifically, the Cooled EGR System reduces smog-producing nitrogen oxides by lowering the combustion temperature. It accomplishes this by diverting exhaust gas through a cooler and then returning it to the combustion chambers, where the cooled gases minimize temperatures and hamper nitrogen oxide formation.



## Swing Shift

Our "Swing Shift" gives you access to a total of 16 speeds! The synchronized main shift's "H" pattern puts four speeds immediately at your disposal. The Swing Shift adds to that by actuating the electric-over-hydraulic high/low synchronized range shift for a total of eight speeds—all controlled by a single lever. If a task requires more than eight speeds, simply move the auxiliary range lever left of the seat for eight more to equal 16F/16R. An optional, simple-to-install, cassette-type creep provides eight additional slower speeds. That's 24 speeds—enough for the most demanding and precise work.



Iconographic indicators show high/low range of the Swing Shift.

F32 x R32  
**SWING  
SHIFT  
Plus**

F16 x R16  
**SWING  
SHIFT**

Photo shows Swing Shift Plus (Cab model).



# TRANSMISSION

## Swing Shift Plus with Dual Speed

Swing Shift Plus models give you 32F/32R speeds, and allow you to operate the Swing Shift as well as the Dual Speed with just one lever. Should your load suddenly get heavier, just push the Dual Speed's high/low button while still in motion. Your speed will reduce by 17%, but lugging force will dramatically increase. Put this feature to best use when taking on large load increases, when working in mixed soil or during hay tool applications. Combining the Dual Speed with the optional creep provides 16 additional slower speeds—a total of 48F/48R—for specialty applications. (Swing Shift Plus with Dual Speed not available on all models. See specs for details.)



## Hydraulic Shuttle Shift

Mounted on the left side of the steering column, the shuttle lever's fingertip control makes it possible to shift smoothly from forward to reverse without using the clutch or stopping the tractor. This makes front loader operation significantly easier.



## Multiple Wet-disc Main Clutch

Our multiple wet-disc main clutch ensures smooth and effortless operation and offers greater durability.



### Easy Step Tilt Steering Wheel

Find the position most comfortable for you. Step on the pedal; tilt the wheel to select from among six wheel positions, and then lock it in place. Simply step on the pedal again to unlock the wheel for easy tractor mounting and dismounting.



### Hydrostatic Power Steering

When performing tasks that place a heavy weight on the front wheels, such as loader work, our light-touch power steering helps make work much less strenuous.

### Heavy-duty Front Axle

The M96S and M108S are equipped with the same rugged front axle found on larger tractors. So you can rest easy knowing that you can count on reliable performance, even when using the front loader.

### Tire Options

To enable the M96S and M108S tractors to perform their best, we offer a variety of tires, including cast iron discs.



### Hydraulic Brakes

All it takes is a light touch to activate these highly responsive, hydraulic, wet-type brakes. This feature helps to reduce operator fatigue.

### Extended Wheelbase

The extended wheelbase gives these tractors a lower center of gravity, directly equating to exceptional stability and pulling power.

### Easy to Shift 4WD Engagement

Stay moving and stay productive by switching the 4-wheel drive on and off without stopping, even when moving out of a field onto a road. (Do not engage while carrying heavy loads, or when a rear wheel has lost traction.)



### Slanted Full-open Hood

The slant-nosed, full-open hood design makes maintenance a snap, as the one-piece hood's dual gas shock assist enables it to lift up easily. This design feature also improves operator visibility over the center of the tractor hood for safer and more efficient working conditions. The curved design also provides a sleeker overall appearance.

### Side-mounted Exhaust Pipe

The side-mounted exhaust pipe maximizes your field of view, allowing you to see more of what's in front and to the side of your work area.



# DESIGN, COMFORT AND SAFETY

## Instrument Panel with LCD Readout



The new instrument panel makes viewing the vital functions of the tractor clear and easy. The LCD readout displays travel speed, PTO revolution and hour meter information digitally. Illuminated analog indicators include a large tachometer, temperature gauge and fuel gauge. A battery warning light has also been added to these tractors to prevent surprise battery failures, as well as indicator lights for 4WD engagement, PTO and oil pressure.

### Foldable ROPS (ROPS Model)

A foldable Rollover Protective Structure (ROPS) comes standard on the M96S and M108S. The ROPS can easily be folded down without tools so that the tractor may pass under areas with height constraints, such as doorways or low branches. (There is no operator protection provided by the ROPS in the folded position. For operator safety, the ROPS should be placed in the upright and locked position and the seat belt fastened for all other operations.)

*Air Cleaner with Built-in Pre-cleaner*  
This air cleaner will help protect your engine when operating your Kubota M96S or M108S in particularly dirty or dusty areas.



**Extra-wide Operator Platform**  
The M96S and M108S boast a wide platform that offers more legroom for greater operator comfort.



**Wrap Around Front Grill**  
The specially designed grill offers a wide coverage area, which helps to cool the engine better. At the same time, the grill design minimizes the overall air intake velocity, which reduces clogging of grass and dirt.



**New Halogen Headlights with Corner Lamps**  
We've mounted the headlights high to improve visibility, even during loader work. These halogen lights with corner lamps are efficient and provide excellent illumination.



**Floating Lift Rods**  
 Floating lift rods are standard on the M96S and M108S. The floating position offer a smoother ride and enhanced traction while using the 3-point hitch, especially on uneven terrain.

**3-point Hitch**  
 The category II 3-point hitch provides fast and easy attachment of rear-mounted implements. The hitch's telescopic stabilizers and lower link ends make hook up and adjustments simple and worry-free.

**Heavy-duty Drawbar**  
 This rugged and dependable drawbar, usually found on higher-end models, has the muscle it takes to tackle your toughest tasks, such as pulling heavy trailers.



**Corner-post Exhaust Pipe (Cab Model)**  
 All of our cab models feature a corner-post exhaust pipe, which gives the operator an unobstructed field of view.



## Auxiliary Remote Control Valves

One remote valve (SCD) is standard on both the M96S and M108S. With the optional flow control valve installed, you can simultaneously operate the 3-point hitch and one remote valve, or two remote valves. Up to three remote valves can be installed in total.



\*SCD valve (standard) and Flow Control Valve with SCD (optional).

<b>Standard</b>	SCD Valve
	SCD Valve
	FD Valve
<b>Option</b>	Flow Control Valve (For 3-point hitch to valve operation)
	Flow Control Valve with SCD (For valve to valve operation)

## Independent PTO

The PTO clutch enables the implement drive system to engage smoothly, which helps reduce operator fatigue. And because the PTO is independent, you don't have to stop the tractor to engage or disengage the PTO, saving time no matter what the task.



**Front-opening Side Glass**  
The glass panels on the side of the tractor now open from the front, providing better interior air flow.



**High Quality Air Conditioner**  
Our air conditioning system boasts nine air outlets, a dual-level air function and a stronger force of air—to keep you cool even on the hottest days.



**Slide-out AC Condenser**  
When they require cleaning, the sliding, louverless-type AC condenser and condenser net can be removed easily and quickly.



**Radio/Cassette/CD Ready**  
Speakers, antenna and wire harness are preinstalled for easy hookup.

## C A B



### Deluxe Suspension Seat

Our cab's deluxe suspension seat, with optional air ride suspension, is as comfortable as its name implies. This contoured, high-back seat is ergonomically designed to reduce fatigue, even after long workdays.



## More Capacity & Greater Height

We've increased the capacity and the maximum lift height of the loader to give you more power, reach and versatility. The loader's lifting capacity has been increased to a whopping 3,086 lbs.—perfect for heavy-duty bucket work. The loader's maximum height was raised to over 12ft, which will come in handy when using a pallet fork or bale spear.

## Lifting Power and Height Adjustments

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.



## Protected Cylinder Tubes

To protect the tractor's hydraulics and offer the operator greater visibility, we've neatly tucked the hydraulic tubes inside the loader's boom. Hydraulic tube covers provide further protection from wear and tear.



## Frame Design

The loader's thick steel frame has been simplified by removing braces and connectors. This redesign reduces the effort and time it takes to attach the loader and offers increased visibility.



# NEW FRONT LOADER

## FRONT LOADER



## 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.

## Joystick Control

The joystick offers you the ability to control the movement and speed of the loader with a single lever. The joystick tower also adjusts vertically, towards or away from the operator, and locks in place. This allows you to easily find your best working position. The Series Circuit makes simultaneous boom and bucket operation possible, while the Regenerative Bucket Dump Circuit enables quick dumping for efficient operation with quick cycle times.



## Rubber Caps

Rubber caps help to prevent grease drips, keeping the operator's clothes clean. They also give the loader a more appealing look.

## 4-bar Linkage

The 4-bar bucket linkage increases the rollback and dumping angle for quicker scooping and dumping.

## Bucket Design

A recent design improvement in the loader bucket is its round back. This feature increases the durability of the bucket, helps keep wet materials from sticking in the corners and makes dumping sand and soil easier.



### Quick-mount Attach/Detach

Attach or detach the front loader with ease and without the use of tools. Simply utilize the boom stand and mounting pins to quickly ready your tractor for its next job. A single-lever Hydraulic Quick Coupler (optional), available for the loader's hydraulic fittings, allows you to release all four lines at once.



### Skid Steer-type Quick Coupler

A standard feature on the M96S and M108S loader, this coupler makes attaching and detaching buckets, bale spears and pallet forks as easy as can be.



## OPTIONS



### Single-lever Hydraulic Quick Coupler

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

### 3rd Function Valve

Operated with buttons located on the grip of the joystick, the 3rd function valve broadens the capability of the front loader. It also enables the simultaneous operation of the bucket and loader boom, allowing smooth and easy operation.

### Hydraulic Self-leveling Valve

This optional feature allows the operator to raise or lower the loader boom without changing the angle of the bucket. This will help prevent spills when carrying soil or sand and will make pallet handling smooth and easy.



## LOADER SPECIFICATIONS

Model	LA1403		
Tractor Applications	M96S, M108S		
Boom Cylinder Fulcrum	Height Position	Power Position	
Maximum Lift Height (Pivot Pin)	in. (mm)	145.7 (3700)	132.7 (3370)
Clearance w/Attachment Dump	in. (mm)	112.6 (2860)	98.0 (2490)
Reach @ Maximum Height	in. (mm)	23.6 (600)	38.6 (980)
Maximum Dump Angle	degrees	52	63
Reach w/Attachment on Ground	in. (mm)	87.8 (2230)	
Maximum Rollback Angle	degrees	40	
Digging Depth (When Bucket is Level)	in. (mm)	2.4 (60)	2.6 (65)
Overall Height in Carry Position	in. (mm)	66.9 (1700)	
Material Bucket Width/Capacity (Heaped)	in. /cu.ft. (m <sup>3</sup> )	72 / 19.43 (0.55), 84 / 22.60 (0.64)	
Lift Capacity (Bucket Center)	lbs. (kg)	2976 (1350)	3086 (1400)
Raising Time to Full Height w/out Load <sup>(1)</sup>	seconds	4.2	
Lowering Time w/out Load (Powerdown) <sup>(1)</sup>	seconds	2.9	
Attachment Rollback Time	seconds	2.2	
Attachment Dumping Time	seconds	2.4	

<sup>(1)</sup>w/Standard Valves.

# SPECIFICATIONS

Model	M96SH (2WD)	M96SDS (4WD)	M108SH (2WD)	M108SDSF(2WD)
	<b>ROPS Models</b>			
<b>Engine</b>	V3800-DI-T		V3800	
Type (Make: KUBOTA)	Center direct injection (E-CDIS), liquid cooled 4-cylinder			
Aspiration type	Turbocharged		Turbocharged	
Rated speed	rpm		2600	
Engine net power	HP (kW)	95 (70.9)		108
PTO power	HP (kW)	84 (62.7)		96
Total displacement	cu.in. (cc)	230 (3769)		
Fuel tank capacity	gal. (ℓ)	46 (175)		
Air cleaner	Dry, dual-element			
Alternator	Amp	45		
<b>Transmission</b>				
No. of speeds (Option)	16 forward/16 reverse (24 forward /24 reverse w/optional creep)	32 forward/32 reverse (48 forward /48 reverse w/optional creep)	16 forward/16 reverse (24 forward /24 reverse w/optional creep)	32 forward/32 reverse (48 forward /48 reverse w/optional creep)
Main gear shift	8/Fully synchronized (with swing shift)			
Range shift	2-speeds			
Dual speed (Hi-Lo)	-	Standard	-	Standard
Hydraulic-shuttle	Steering column-mounted lever			
Main clutch type/Brake type	Hydraulic wet discs/Hydraulic wet discs			
Mechanical differential lock	Rear	Front & Rear	Rear	
<b>PTO</b>				
PTO type	Hydraulic independent PTO with PTO brake, wet discs			
Speed	540 rpm (540/1000 factory optional)			
<b>Hydraulics</b>				
Pump capacity (3-point hitch)	gpm (ℓ/min.)	17.2 (65)		
3-point hitch	Telescopic lower link ends, Telescopic stabilizers			
Category	II			
Control system	Position, draft (top link sensing) & mix control			
Lift capacity at 24 in. behind lift point	lbs. (kgf)	4630 (2100), 7490 (3400) w/dual assist cylinders (optional)		
No. of standard remote valves	1 standard (2nd, 3rd & flow control valve optional)			
<b>Other features</b>				
4WD drive system	-	Bevel gear type	-	
Steering	Hydrostatic power steering			
Hood type	Single piece full open hood, twin gas shock assist			
Deck type/Pedal type	ISO-mounted full flat deck with rubber mat/hanging pedals			
Standard tire size <sup>(1)</sup>	Front/Rear	10.00-16/18.4-30	12.4-24/18.4-30 Cast	10.00-16/18.4-34
<b>Dimensions &amp; weight<sup>(2)</sup></b>				
Overall length	in. (mm)	163 (4145)		
Overall height/ROPS folded	in. (mm)	103 (2620)/79 (2015)		105 (2670)
Overall height (top of CAB)	in. (mm)	-		
Overall width <sup>(3)</sup>	in. (mm)	91 (2315)	93 (2355)	90 (2295)
Wheelbase	in. (mm)	95.9 (2435)		
Ground clearance (Drawbar bracket)	in. (mm)	15.2 (385)		17.1
Tread width	Front	in. (mm)	60.6-80.3 (1540-2040)	52.2-66.1 (1580-1680)
	Rear	in. (mm)	67.7-79.5 (1720-2020)	67.1-81.1 (1705-2060)
Turning radius (w/o brake)	ft. (m)	12.5 (3.8)		15.4 (4.7) <sup>(4)</sup>
Tractor weight	lb. (kg)	6261 (2840)		7430 (3370)
		6349 (2880)		

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty and safety information. 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.

<sup>(1)</sup> Optional tire size and disk variation are available. Radial tires are also available. <sup>(2)</sup> All dimensions measured with standard tire. <sup>(3)</sup> At 72-inch rear tire tread. <sup>(4)</sup> 4WD engaged.

\* 540/1000 PTO factory option model is available.

M108SHD (4WD)	*M108SDS (4WD)	M96SDSC (4WD)	M108SHC (2WD)	* M108SHDC (4WD)	* M108SDSC (4WD)
<b>CAB Models</b>					
-DT-TI		V3800-DI-T		V3800-DT-TI	
diesel		Center direct injection (E-CDIS), liquid cooled 4-cylinder diesel			
w/intercooler		Turbocharged		Turbocharged w/intercooler	
				2600	
(80.6)		95 (70.9)		108 (80.6)	
(71.6)		84 (62.7)		96 (71.6)	
				230 (3769)	
				46 (175)	
				Dry, dual-element	
		60		80	
16 forward/16 reverse (24 forward /24 reverse w/optional creep)	32 forward/32 reverse (48 forward /48 reverse w/optional creep)	32 forward/32 reverse (48 forward /48 reverse w/optional creep)	16 forward/16 reverse (24 forward/24 reverse w/optional creep)		32 forward/32 reverse (48 forward /48 reverse w/optional creep)
			8/Fully synchronized (with swing shift)		
			2- speeds		
-	Standard	Standard	-		Standard
			Steering column-mounted lever		
			Hydraulic wet discs/Hydraulic wet discs		
Front & Rear		Front & Rear	Rear	Front & Rear	
			Hydraulic independent PTO with PTO brake, wet discs		
			540 rpm (540/1000 rpm factory optional)		
			17.2 (65)		
			Telescopic lower link ends, Telescopic stabilizers		
			<b>II</b>		
			Position, draft (top link sensing) & mix control		
			4630 (2100), 7490 (3400) w/dual assist cylinders (optional)		
			1 standard (2nd, 3rd & flow control valve optional)		
Bevel gear type		Bevel gear type	-	Bevel gear type	
			Hydrostatic power steering		
			Single piece full open hood, twin gas shock assist		
			ISO-mounted full flat deck with rubber mat/hanging pedals		
13.6-24/18.4-34 Cast		12.4-24/18.4-30 Cast	10.00-16/18.4-34	13.6-24/18.4-34 Cast	
				163 (4145)	
/81 (2065)			-		
		104 (2630)		106 (2680)	
91 (2315)		91 (2315)	90 (2295)	91 (2315)	
			95.9 (2435)		
(435)		15.2 (385)		17.1 (435)	
52.2-66.1 (1580-1680)		52.2-66.1 (1580-1680)	60.6-80.3 (1540-2040)	52.2-66.1 (1580-1680)	
68.1-80.1 (1730-2035)		67.1-81.1 (1705-2060)	67.1-79.0 (1705-2005)	68.1-80.1 (1730-2035)	
15.4 (4.7) <sup>(4)</sup>		15.4 (4.7) <sup>(4)</sup>	12.5 (3.8)	15.4 (4.7) <sup>(4)</sup>	
7981 (3620)		8025 (3640)	6945 (3150)	8576 (3890)	

*Our Low Profile model offers maneuverability, agility and ease of use for all low-clearance applications.*

With a shorter overall height and lower operator profile, the M108S Low Profile model is perfect for work in orchards or almost any location with height restrictions.



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



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