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Kubota

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KUBOTA DIESEL TRACTOR M6S-111 ROPS

A clean running engine with the power and speeds to tackle a wide range of jobs.

The standard economy tractor M6S-111 ROPS can take on a variety of tasks. Ideal for hay and cattle operations and outstanding performance for uses such as loader work, haying operations, mowing and more.

Technology Driven Engine Features

The M6S-111 ROPS is equipped with a Kubota turbocharged V3800 Tier IV Final engine which has a Common Rail System (CRS), intercooler and Exhaust Gas Recirculation (EGR). Employment of a Diesel Particulate Filter (DPF) and a Selective Catalytic Reduction (SCR) system for minimized emissions. Additionally, it also has a RPM Memory to recall preferred engine RPM settings with the touch of a button and Constant RPM Management to keep the engine speed constant for stable operation.

Horse Power

Engine gross power (97/68EC): 114.1 HP
PTO power at rated engine RPM: 95.0 HP

Weight

The M6S-111 4WD has gained additional weight from the previous model, weighing 8466 lbs. With its weight and stability, it can now handle more tasks with its best performance.

Dimensions



16 Speed Swing Shift Transmission

The M6S-111 ROPS comes with 4 gears on main shift, High/Low range gear shift and a Swing Shift. Swing Shift adds 4 more speeds to the main shift by actuating the electric-over-hydraulic High/Low synchronized range shift- giving you access to a total of 8 speeds! The optional creep provides additional 8 speeds, therefore, 24F/24R speeds.

32 Speed Swing Shift Plus Transmission

The M6S-111 ROPS has a model that has Dual Speed as a standard. Swing Shift and Dual Speed can be easily operated with the main shift lever. With the use of optional creep, it has 48F/48R speeds! Put this feature to best use when in varying tractor load environments like working in mixed soil conditions or during hay tool applications. It is surely enough for the most demanding and precise work.

De-Clutch Switch on the Main Shift Lever

The de-clutch switch allows you to shift a gear without using the clutch pedal. This switch electro-hydraulically disengages the clutch while being pressed and reengages once the button is released.

High Hydraulic Performance

The M6S-111 ROPS comes with 2 standard rear remote valves and can add an additional valve. Standard valves are one self-cancelling detent valve and one floating detent valve. With 17.6 GPM flow and an optional third

remote valve, this tractor is ready to accept implements requiring multiple valves.

Other Features

- Electro Hydraulic Shuttle
- Steering tilt angle up to 40 degrees
- Fuel tank capacity of 46 gallons
- Easier to refill fuel and DEF by locating the filler neck on the lefthand side
- Large LCD monitor improved visibility and operation
- Redesigned floor layout to ensure leg space and improved ride comfort



Optional front weight and tires

Specifications

Model		M6S-111 ROPS		
		SHF	SHD	SDS2
Wheel drive		2WD	4WD	
Engine				
Type (make: Kubota)		V3800-TIEF4-Direct Injection, Water-cooled 4 Cycle Diesel, Common Rail System, Turbocharger, Intercooler, DPF, DOC, SCR		
Cylinders and displacement	cu. in. (cc)	4-cylinder, 230 (3769)		
Engine gross power (97/68EC)	HP (kW)	114.1 (85.1)		
PTO power (at rated RPM)	HP (kW)	95 (70.8)		
Alternator	Amp	80		
Rated engine speed	rpm	2600		
Fuel tank capacity	gal. (ℓ)	46 (175)		
Transmission				
No. of speeds	Standard	F16 R16		F32 R32
	Creep (opt.)	F24 R24		F48 R48
Traveling speed	mi/h (km/h)	1.31 – 23.34 (2.11 – 37.56)		
Shuttle		Electro-hydraulic		
Clutch		Hydraulic Wet Clutch		
Rear wheel brake		Hydraulic Wet Disk Type		
Mechanical differential lock		Rear	Front / Rear	
PTO				
Clutch		Hydraulic Wet Clutch		
Revolution	rpm	540	540/1000	
Hydraulics				
Type		Open-Center		
Draft control		Top Link Draft Sensing		
Lift capacity at 24 in. behind lift point (OECD)	lbs. (kg)	3858 (1750), 5732 (2600) with 2 assist cylinders (option)		
Lower link		Telescopic		
Category		II		
Rear remotes		2 standard (3rd & flow control valve optional)		
Pump output (remote)	gal/min (ℓ/min)	17.6 (66.6)		
Exterior				
Hood		Full-open		
Dimensions				
Wheel base	in. (mm)	95.9 (2435)		
Minimum ground clearance*	in. (mm)	16.9 (430)		
Tread*	Front	in. (mm)	60.6, 64.6, 68.5, 72.4, 76.4, 80.3 (1540, 1640, 1740, 1840, 1940, 2040)	62.2, 66.1 (1580, 1680)
	rear	in. (mm)	68.1, 72.2, 76.0, 80.1 (1730, 1835, 1930, 2035)	67.2, 73.2, 75.0, 81.1 (1705, 1860, 1905, 2060)
Overall length	in. (mm)	163.2 (4145)		
Overall height (ROPS unfolded)	in. (mm)	105 (2670)		
Overall width	in. (mm)	91.5 (2325)	92.5 (2350)	
Weight	lbs. (kg)	6834 (3100)	8466 (3840)	
Turning radius w/o brake	ft. (m)	12.5 (3.8)	15.4 (4.7)	
Standard tires	Front	10.00 – 16		13.6 – 24
	rear	18.4 – 34 Steel		18.4 – 34 Cast

* When standard tires are equipped

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KUBOTA DIESEL TRACTOR M6S-111

A clean running engine with the power and speeds to tackle a wide range of jobs.

The M6S-111 allows you to take on a variety of tasks. Ideal for hay and cattle operations, this economical machine is also great for uses such as loader work, forage operations, mowing and more. The M6S provides an ergonomical design, allowing you comfort during long hours.

Technology Driven Engine Features

The M6S has a V-3800-TierIV final engine which has a common rail fuel system, intercooler, exhaust gas recirculation. Employment of a diesel particulate filter and a selective catalytic reduction for minimized emissions. Additionally, it has Constant RPM management memory to minimize repetitive actions.

Ergonomic Operator Station

To increase operator efficiency the design of the main shift lever provides a comfortable, easy-to-use feel and better visibility of the lever's shift stages, Hi-Lo, etc. Furthermore, the loader joystick operates with exceptional smoothness and responsiveness.

F32/R32 Transmission (Factory option)

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. Put this feature to best use when taking large load increases, working in mixed soil or during hay tool applications. An optional creep provides 16 additional slower speeds – a total of 48F/48R– for specialty applications.

F16/R16 Transmission

Kubota "Swing Shift" provides you access to 16 speeds. The synchronized main shift "H" pattern puts four speeds immediately at your disposal. The Swing Shift adds to that by actuating the electricover – 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 creep provides eight additional slower speeds. That's 24 speed –enough for the most demanding and precise work.

Clutch Off Switch On Main Shift Lever

The clutch off switch is available on all CAB models. This feature allows you to shift a gear without using the clutch pedal. While pressing the clutch off switch, the clutch is disengaged. When the clutch off switch is released, the clutch is engaged.

High Performance Hydraulics

The M6S CAB now has two standard rear remote valves. It offers one self-cancelling detent valve and one floating detent valve. With 17.2 GPM flow and an optional third remote valve, this tractor is ready to accept implements requiring multiple valves.

Other Features

- Electro Hydraulic Shuttle
- Steering tilt angle up to 41 degrees



Specifications

Model		KBT	
Model name		M6S-111SHC	M6S-111SHDC
Wheel drive		2WD	4WD
Engine			
Type (make: Kubota)		V-3800-CR-TIEF4	
Cylinders and displacement	cu. in. (cc)	4 – 3.769	
Engine power at rated RPM (97/68/EC)	HP (kW)	114 (85.1)	
Engine net power (SAE J1349)	HP (kW)	105 (78.2)	
PTO power @rated Engine RPM (OECD CODE2)	HP (kW)	95 (70.8)	
Alternator	Amp	80 (100 option)	
Rated engine speed	rpm	2600	
Fuel tank capacity	gal. (ℓ)	46.2 (175)	
Transmission			
No. of speeds	Standard	F16 R16	F32 R32 (Dual)
	Creep (opt.)	F24 R24	F48 R48 (Dual)
Travelling speed	mi/h (km/h)	1.3 – 23.5 (2.1 – 37.8)	
Shuttle		Electro-hydraulic	
Clutch		Wet disc electro-hydraulically operated	
Rear wheel brake		Hydraulically operated wet brakes	
Mechanical differential lock		Rear	Front & rear
PTO			
Clutch		Electronic Hydraulic	
Revolution	rpm	540	540 (540/1000 factory option)
Hydraulics			
Type		Internal cylinder (External cylinder option)	
Draft control		Top link	
Lift capacity at 24 in. behind lift point (OECD)	lbs. (kg)	3,858 (1,750) / optional 5,732 (2600)	
Lower link		Telescopic	
Category		II	
Rear remotes		Std. 2 / Max. 3 (option)	
Pump output (remote)	ℓ/min (gal/min)	65 (17.2)	
Exterior			
Bonnet		Full open	
Dimensions			
Wheel base	in. (mm)	95.9 (2435)	
Minimum ground clearance (drawbar bracket)	in. (mm)	16.9 (430)	
Tread	Front in. (mm)	60.6 – 80.3 (1540 – 2040)	62.2 – 66.1 (1580 – 1680)
	rear in. (mm)	67.1 – 79.0 (1705 – 2005)	68.1 – 80.1 (1730 – 2035)
Overall length	in. (mm)	163 (4145)	
Overall height (top of CAB)	in. (mm)	106 (2680)	
Width	in. (mm)	92 (2350)	
Weight (CAB)	lbs. (kg)	7341 (3330)	8973 (4070)
Turning radius	ft. (m)	12.5 (3.8)	15.4 (4.7)
Standard tires	Front	10.00 – 16	13.6 – 24
	rear	18.4 – 34 Steel	18.4 – 34 Cast

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