



For Earth, For Life
Kubota

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KUBOTA LOW PROFILE* TRACTOR M5L-111

New Standards in Low Profile Tractor Performance and Operator Comfort

Low Profile Power that will Exceed Your High Expectations

The M5L combines low clearance versatility with full-size capabilities. Featuring an intelligently revamped operator station and a telescopic ROPS frame, the M5L is specifically engineered for work in orchards and other applications that require a capable low-profile footprint. Equipped with an updated V-3800 Tier IV engine and a highly versatile transmission that offers six speeds in two ranges, the M5L excels in power, versatility, durability, and performance.

Updated Engine Features

The M5L has an updated V-3800 Tier IV engine which has a common rail fuel system, intercooler, exhaust gas recirculation, and employs a diesel particulate filter and selective catalytic reduction for minimized emissions. Additionally, it has an increased alternator capacity (45A to 60A), larger radiator, larger diameter cooling fan, and RPM memory for repetitive actions.

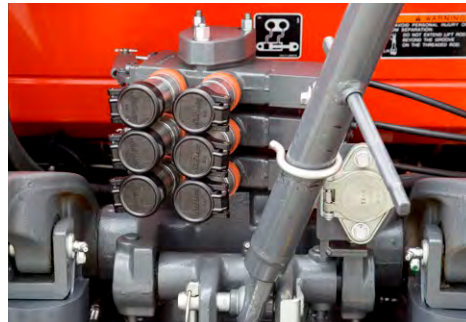
Redesigned Operator Station

To promote operator efficiency all controls are conveniently located on the right side. The floor pedals have been adjusted for better comfort, and the floor area has been increased along with ergonomic steps.



Transmission

High productivity requires versatility, such as traveling at low or sustained speeds. This tractor's transmission has 12F x 12R speed, with six speeds in two ranges. The shuttle shift is electric over hydraulic and is guarded against intrusion. The 540/540E PTO is standard.



Improved Hydraulics

The M5L has 2 standard rear remote valves. It now offers 2 self-canceling detent valves.

With 15.7 GPM flow and an optional third remote and flow control valve, this tractor is ready to accept implements requiring multiple valves.

Standard Shielding

Solid steel sloping hood and fenders reduce crop damage. Steel shields for the fuel and DEF tanks are standard. Additionally, the operators console, left foot area, and clutch area are shielded from heat and potential obstacles. The electro-hydraulic shuttle lever is shielded to reduce impact from limbs, as is the down exhaust system and hood intake.



*Based on Kubota specifications.

Shown with optional front weights

Specifications

MODEL	M5L-111-SN	
Engine	Type (Make:KUBOTA)	V3800-TIEF4 – 4 cylinders in-line, Common Rail System, Direct Injection, DPF, DOC, SCR
	No. of Cylinders / Aspiration	4 / Turbocharged w/Intercooler
	Engine net HP (SAE J 1349) [HP (kW)]	100 (74.6)
	PTO HP at Rated RPM (OECD CODE2) [HP (kW)]	89 (66.4)
	Total Displacement [cu. in. (cc)]	230 (3769)
	Rated Speed [RPM]	2400
	Fuel Tank Capacity [gal. (ℓ)]	24.3 (92)
	Alternator	60 Amp (Opt 80 Amp)
Transmission	No. of Speeds (Option)	F12 / R12 (F18 / R18 w/creep)
	Main Gear Shift	6 speeds synchronized
	Range Gear Shift	2 speeds synchronized
	Shuttle Shift	Electro Hydraulic Shuttle
	Max. Traveling Speed [mph (km/h)]	19.1 (32.1)
PTO	Brake Type	Hydraulic wet disc
	Type	Live-independent PTO, electro-hydraulic clutch with brake
Hydraulics	PTO Speed [RPM]	540 / 540E (Opt 540 / 1000)
	System	Open Center
	Pump Capacity (3-Point hitch) [gpm (ℓ/min)]	15.7 (59.4)
	3-point Hitch	Telescopic Lower Link ends, Stabilizers
	Control System	Position, Draft (Top link sensing)
	Category	II
	Lift capacity at 24 in. behind lift point OECD* [lbs. (kg)]	4630 (2100), Optional 6063 (2750)
Other Features	Lift capacity at 24 in. behind lift point SAE* [lbs. (kg)]	5181 (2350), Optional 7275(3300)
	No. of Remote Valves	2 (Max 3)
	4WD Drive System	Bevel Gear Type
	Steering	Hydraulic Power Steering
	Tilt Steering	Standard
	Deck Type	Semi-flat w/rubber mat
Standard Tire Size	Seat	with reclining, arm rest
	RPM Memory	Standard
	Front	9.5 - 20
Dimensions and Weight	Rear	16.9 - 24
	Overall Length [in. (mm)]	155.9 (3360)
	Overall Height ROPS raised/ROPS retracted [in. (mm)]	90.6 (2300) / 66.3 (1685)
	Overall Width (end of fender to end of fender) I[n. (mm)]	77.6 (1970)
	Wheelbase [in. (mm)]	88.6 (2250)
	Crop Clearance (Front Axle) I[n. (mm)]	16.3 (415)
	Turning Radius (w/o brake) [ft. (m)]	13.9 (4.25)
Weight [lbs. (kg)]	5904 (2680)	

*At lower link end with links horizontal

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KUBOTA DIESEL TRACTOR M6L-111 Low Profile

A cleaner engine with the more power and a low profile to qualify M-Series expectations.

M6L-111 Low Profile* tractor is perfect for low-clearance applications. Height-limited environments are no longer an issue with M6L-111 Low Profile tractor.

*As defined by Kubota

Technology Driven Engine Features

The M6L-111 Low Profile 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 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 M6L has gained additional weight from the previous model, weighing 7077 lbs. With its clear visibility, stability and low profile, M6L is perfect and ready for low-clearance applications.

Dimensions



Note: Dimensions taken with standard tires, but shown here with optional tires.

Transmission

M6L-111 Low Profile comes with 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!

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 once released, the clutch is reengaged.

High Hydraulic Performance

The M6L-111 Low Profile 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 28 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 for improved visibility and operation
- Standard Steel rear fenders to deflect orchard branches over the tires.
- Standard steel RH Operators guard to protect the operator and tractor controls.
- Redesigned floor layout to ensure leg space and improved ride comfort



Note: Shown with optional tires.



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Specifications

Model		M6L-111	
		SDS	SDS2
Wheel drive		4WD	
Engine		V3800-TIEF4-Direct Injection, Water-cooled 4 Cycle Diesel, Common Rail System, Turbocharger, Intercooler, DPF, DOC, SCR	
Type (make: Kubota)		4-cylinder, 230 (3769)	
Cylinders and displacement	cu. in. (cc)	114.1 (85.1)	
Engine gross power (97/68EC)	HP (kW)	95 (70.8)	
PTO power (at rated RPM)	HP (kW)	80	
Alternator	Amp	2600	
Rated engine speed	rpm	46 (175)	
Fuel tank capacity	gal. (ℓ)		
Transmission			
No. of speeds	Standard	F32 R32	
	Creep (opt.)	F48 R48	
Traveling speed	mi/h (km/h)	0.86 – 18.56 (1.39 – 29.87)	
Shuttle		Electro-hydraulic	
Clutch		Hydraulic Wet Clutch	
Rear wheel brake		Hydraulic Wet Disk Type	
Mechanical differential lock		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), 4795 (2175) with 1 assist cylinder (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)	12.2 (310)	
Tread*	Front	60.2 (1530)	
	rear	63.8, 66.5, 70.9, 74.4, 78.7 (1620, 1690, 1800, 1890, 2000)	
Overall length	in. (mm)	163.2 (4145)	
Overall height (ROPS unfolded)	in. (mm)	89.4 (2270)	
Overall width	in. (mm)	83.5 (2120)	
Weight	lbs. (kg)	7077 (3210)	
Turning radius w/o brake	ft. (m)	14.8 (4.5)	
Standard tires	Front	9.5 – 20	
	rear	16.9 – 24	

* When standard tires are equipped

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