

M5L-111 Low Profile Special Ag Tractor



COMPETITIVE COMPARISON					
MODEL		Kubota M5L-111	JOHN DEERE 5100ML	KUBOTA ADVANTAGE	
Engine	Engine Manufacturer	Kubota	John Deere	Kubota Engine	
	Engine	V3800-TIEF4	PowerTech 4.5L	Kubota designed and built	
	EPA Emission Level	Tier IV Final	Tier IV Final	Meets current EPA emission standards	
	Gross Engine HP (*97/68EC)	hp (kw)	105.6(78.8)*	100 (74)	
	Net Engine @ Rated RPM (*SAE J1349)	hp (kw)	100 (74.6)*	np	
	PTO HP @ Rated RPM (*OECD 2)	hp (kw)	89 (66.4)*	85 (59.7)	Hi PTO HP for excellent performance
	Aspiration		Turbocharged and Intercooled	Turbocharged and Intercooled	
	Displacement	cu. in. (liters)	230 (3.769)	276 (4.5)	
	Cylinders		4	4	
	Injection Type		Common Rail Direct Injection	Common Rail Direct Injection	
	Fuel Tank Capacity	gal (liters)	24.3 (92)	40 (153)	
	Alternator Amps		60	90	130 Amp optional
Exhaust Treatment		EGR,DOC,DPF,SCR	EGR, DOC, SCR		
Muffler		Down	Down		
Transmission / Drive Train	Transmission	Standard 12F X 12R	Standard 16F X 16R		
	Transmission Gears	6 speeds in 2 ranges	4 speeds in 4 ranges	More gears per range means less stopping to change ranges	
	Left-Hand Shuttle Lever on Steering Column	Yes Electric	Yes Electric		
	Fully Synchronized Main Shift	Yes	Partial	Easier operation while shifting	
	Clutch Type/Standard	Multi-Plate Wet Disks Hydraulic Shuttle	Multi-Plate Wet Disks Hydraulic Shuttle		
	Creep Speed / Optional	Cassette Type 18F X 18R	N/A	The cassette type creep speed kit provides 6 creep speeds under one mph, slowest at 0.17 mph. The cassette type kit increases value by allowing the tractor to fit the customers applications, now or later. This feature increases resale value as it allows change in applications any time.	
	Final Drive Type	Inboard Planetary	Inboard Planetary		
	Brakes	Wet Disc	Wet Disc		
	Differential Lock	Mechanical	Electronic		
	Front Axle	Bevel Pinion 55 degree Steering Angle	U-joint type	Sealed in hydraulic oil for long life. Constant power at all steering angles, and built by Kubota.	
PTO System	Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering		
	Standard	Elec-Hydraulic Independent	Elec-Hydraulic Independent		
	Speeds @ RPM	540 @ 2035 540E @ 1519	540 @ 2100 540E @ 1645	540E PTO Speed is developed at slower engine speed, this increases fuel efficiency and lowers noise level.	
	Engagement Method	Elect-Hydraulic Self- Modulating	Elect-Hydraulic Self- Modulating		
Hydraulic System / Three Point Hitch	Clutch type	Multi-Plate Wet Clutch	Multi-Plate Wet Clutch	Increased durability and longer life.	
	Type	Open Center	Open Center		
	Flow @ remotes	gpm (l/m)	15.7 gpm (59.4 l/m)	18.4 (69.7)	
	Operating Pressure	psi (k/sq.cm)	2929 (206)	2828	
	Draft Control		Standard	Standard	
	Draft Control Sensing		Top Link	Lower Link	
	Remote Hydraulic Valves	Std (Opt)	2 std max 3	3 std max 5	
	Control Type		Two, external cylinders	Two, external cylinders	
	Three Point Hitch Type		Cat II	Cat II	
	Link Ends		Telescopic	Telescopic	
Dimensions	Lift Cap, 24" Behind Lift Pts. (ASAE)		5180 (2350)	4793 (2174)	
	Wheelbase	in. (mm)	88.6 (2250)	90.6 (2300)	
	Height, ROPS Folded	in. (mm)	66.3 (1685)	67.3 (1709)	
	Turning Radius 4wd engaged w/o Brake applied	ft. (m)	13.9 (4.25)	12.2 (3.71)	
Tires	Weight	lb. (kg)	5908 (2680)	7950 (3606)	Hi Power to weight ratio provides adaptability to low ground pressure applications as well as for heavier applications with proper ballasting as required.
	Front	Standard	9.5-20 R1 Bias	12.5/80-18 Bias	
	Rear	Standard	16.9-24 R1 Bias	19.5L-24 Bias	

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