



## M108S Low Profile Special Ag Tractors

Competitive Comparison					
FEATURE	Kubota M108SDSL	John Deere 6110	McCormick Farmall 105U	New Holland TS6030	Kubota Advantage
Engine Manufacturer	Kubota	John Deere	IFNA	New Holland	Kubota designed and built
Engine	V3800	PowerTech E	IFNA	N/A	
EPA Emission Level	Tier III	Tier III	Tier III	Tier III	Meets current EPA emission standards
Gross Engine HP	hp (Kw)	103.6 (77.3)@ 2600	105.0 (78.0) @ 2300	105 (78.3) @ 2300	118 (88.0) @ 2200
Net Engine HP	hp (Kw)	97.7 (72.9)@ 2600	IFNA	IFNA	IFNA
PTO HP @ Rated RPM		96 @ 2600	85.0 (63.4) @ 2300	90.0 (67.1) @ 2300	96.0 (71.6) @ 2200
Aspiration	Turbocharged	Turbocharged	Turbocharged and Intercooled	Turbocharged and Intercooled	Wastegate controlled turbocharger increases turbo-boost at low engine RPM's therefore eliminating a common phenomenon known as turbo-lag therefore maximizing power output.
Displacement	cu. in. (liters)	230 (3.7)	276 (4.5)	274 (4.5)	274 (4.5)
Cylinders		4	4	4	4
Injection Type	CRS (Common Rail Electronic) w/E-CDIS Center Direct Injection	Direct	Direct	Direct	Advanced electronic common rail fuel injection combined with CDIS optimizes power output and fuel efficiency.
Multi-Valve System	Yes (16 Valves)	No	No	No	Maximizes intake air flow volume and speed of existing exhaust gases together increasing fuel economy and power output.
Alternator		60	90	120	120
Fuel Tank Capacity	gal. (liters)	46.2 (175)	43.6 (165)	33.5 (127)	39 (147.6)
Muffler/Exhaust Pipe	Under Hood Down swept exhaust pipe	Under Hood Side of Hood	RH Cab Corner	Under Hood Center of hood	Cab Model, the exhaust pipe is located on right side cab corner as standard equipment to maximize visibility.
Transmission / Drive Train					
Transmission		32F X 32R	12F / 4R	12F / 12R Synchro-Shuttle	8F X 2R
Left-Hand Shuttle Lever	Yes (column mount)	No	Yes (floor mount)	No	Advanced transmissions provide more travel speeds to fit the application therefore maximizing productivity.
Fully Synchronized Main Shift	Yes	Yes	Yes	No	Standard feature to provide easier operation, and to maximize travel efficiency.
Hydraulic Shuttle	Standard	Optional with Synchro-Plus	Optional	Not available	Superior shuttle direction control and wet main clutch is standard equipment.
Clutch Type/Standard	Wet-Multi Plate	Wet-Multi Plate	Dry Clutch	Dry Ceremetalic Clutch	To maximize productivity and durability the wet main clutch is standard equipment.
Creep Speed / Optional	Cassette Type Easy field installation 24F X 24R or 48R X 48R	Syncro 12/4 w/9F / 3R Trans.Option	Optional	12F x 3R	Dealer installed cassette style creep speed kit provides flexibility to the customers applications now or later.
Final Drive Type	Inboard Planetary	Inboard Planetary	Inboard Planetary	Inboard Planetary	
Brakes	Hydraulic Wet Disk Self Adjusting	Hydraulic Wet Disk Self Adjusting	Hydraulic Wet Disk Self Adjusting	Hydraulic Wet Disk Self Adjusting	Standard industry feature in this class of tractor.
Differential Controls	Mechanical Front & Rear	Electrohydraulic (Rear only)	Electro-Hydraulic Frt/Rear (Optional)	Mechanical Front limited slip, rear mechanical lock	Full mechanical lock up of all four wheels for maximum traction control during inclimate conditions.
Front 4wd Axle	Bevel Pinion	U-Joint	U-Joint	U-Joint	Hermetically sealed in oil for long life. Constant power at all steering angles, and built by Kubota.
Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	



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PTO System						
Type	Hydraulic Independent	Independent	Independent	Independent	Industry standard.	
Speeds @ RPM	540 @ 2295 Std. 1000 @2389 540/1000 is Optional	540 @ 2208 1000 @ 2208	540 @ 2200 1000 @ 2300	540 @ IFNA 1000 @ IFNA		
Engagement Method	Hydraulic Self-Modulating	Electro-Hydraulic	Mechanical	Hydraulic	User friendly operation with your right hand. Lever force is hardly noticeable during the smooth engagement, and the operator can easily see the implement at the same time.	
Clutch type	Multi-Plate Wet Clutch	Multi-Plate Wet Clutch	Dry Clutch	Multi-Plate Wet Clutch	Hydraulic PTO clutch is a "big tractor" feature, the clutch is cooled and lubricated with oil for long life. In fact all Kubota M-Series tractors are equipped with a hydraulic PTO clutch.	
Hydraulic System						
Type	Open Center	Open Center	Open Center	Open Center		
Main Pump Flow	gpm (l/m)	17.2 (65.1)	21.1 (79.9)	16.1 (61.0)	13.0 (49.0)	
Power Steering Flow	gpm (l/m)	12.1 (45.8)	6.8 (25.7)	10.4 (39.5)	7.0 (20.0)	Ease of steering, particularly helpful in loader applications.
Total Flow	gpm (l/m)	29.3 (109.9)	21.1 (79.9)	14.5 (55.0)	20.0 (69.0)	Highest total volume output.
Operating Pressure	psi (k/sq.cm)	2844 (200)	2500 (176)	IFNA	IFNA	
Control Type						
Type	Position	Position	Position	Position		
Draft Control Type						
Type	Top Link	Lower Link (Optional)	Lower Link	Top Link		
Remote Control Valves	Std (Opt)	1 (2)	1 (2)	2 (3)	2 (0)	
Three Point Hitch Type						
Type	Cat II	Cat II	Cat II	Cat II		
Telescoping Link Ends						
Type	Standard	Left side standard Right side is Optional	Standard	No	Easy to connect implements	
Lift Cap, 24" Behind Lft Pts.	Lbs. (Kg)	4630 (2100)	5028 (2282)	5745(2606)	3600 (1633)	Standard lift capacity for general applications.
Lift Cap. Optional	Lbs. (Kg)	7490 (3400)	N/A	N/A	5400 (2449) 7200 (3266)	Optional high capacity for heavy implements.
Dimensions						
Wheelbase	in. (mm)	95.9 (2315)	94.5 (2400)	92.5 (2350)	IFNA	
Minimum overall width	in. (mm)	84.0 (2130)	94.5 (2400)	92.5 (2350)	IFNA	
Height Top of ROPS	in. (mm)	91.0 (2300)	104.7 (2659)	108.9 (2766)	109.6 (248)	
Height ROPS lowered		69.0 (1765)				
Turning Radius w/o Brake (4wd engaged)	ft. (m)	14.9 (4.5)	18.3 (5.58)	13.4 (4.08)	IFNA	Exceptional maneuverability is a key feature on Kubota tractors.
Weight ROPS Model	lb. (kg)	6526 (2960)	N/A	7496 (3400)	7127 (3233)	
Tires, standard						
Front		9.5-20 Bias	12.4-24 Bias	12.4-24 Bias	14.9-24 Bias	
Rear		16.9-24 Bias	18.4-34 Bias	18.4-30 Bias	18.4-34 Bias	