


Competitive Comparison

FEATURE	KUBOTA	JOHN DEERE	MCCORMICK	NEW HOLLAND	KUBOTA
	M105S	6415	CX105	TL100A	ADVANTAGE
Engine Manufacturer	Kubota	John Deere	-	New Holland	Kubota designed and built
PTO HP(kw) @ Rated RPM	93 @ 2600	85.0 (63.4) @ 2300	83 (62) @ 2200	85 (63.4) @ 2500	Highest power output
Aspiration	Wastegate Turbocharged and Intercooled	Turbocharged	Wastegate Turbocharged	Turbocharged	Increases performance and lugging ability in lower rpm ranges.
Displacement cu. in.(L)	230 (3.77)	276 (4.5)	244 (4.0)	273 (4.5)	Highest output from less cubic inch displacement due to advanced technology.
Cylinders	4	4	4	4	Dynamically Balanced for smooth running operation.
Injection Type	CDIS Center Direct Injection	Direct	Direct	Direct	The sophisticated center direct injection along with the 4 valves per cylinder helps to achieve top performance.
Multi-Valve System (16 Valves)	Yes	No	No	No	Maximizes power, performance and economy.
Torque Rise % (PTO) @ Eng RPM	35% @ 1200	45.9% @ 1400	IFNA	39% @ 1500	Maximum torque is developed at a lower and wider rpm range to increase lugging performance.
Alternator	60 (80 on SDSCC)	90	65	120	
Fuel Tank Capacity gal. (L)	46.2 (175)	43.6 (165)	41 (155)	42 (160)	Higher fuel capacity for longer hours of operation.
Muffler	Under Hood	Under Hood Side of Hood	RH Cab Corner	Under Hood Center of hood	Corner mounted exhaust is standard for an unobstructed field of view.
Exhaust Pipe Standard	Right Side cab corner	Option	Standard	Standard	Improves visibility
Transmission / Drive Train					
Transmission	SHC/SHDC 16F X 16R SDSC w/Dual Speed 32F X 32R	12F / 4R	16F / 8R	12F X 12R Dual Command	Maximizing standard speed selection improves productivity and eliminates options.
Left-Hand Shuttle Lever	Standard	Only w / Syncro Plus 16F / 16R	Yes	No	Standard feature to provide easier operation, and to maximize travel efficiency.
Fully Synchronized Main Shift	Yes	Yes	Yes	Yes	
Shuttle Shift	Standard	Optional with Syncro-Plus	Optional XtraShift 24F X 24R only	Syncro Shuttle	Superior shuttle direction control and wet main clutch is standard equipment.
Clutch Type/Standard	Wet-Multi Plate	Wet-Multi Plate	Dry Clutch Multi-Plate Wet Clutch (w/24F X 24R Trans.)	Dry Ceremetalic Clutch	To maximize durability, the wet main clutch is standard equipment.


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Creep Speed / Optional	Cassette Type Easy field installation 24F X 24R	Syncro 12/4 w/9F / 3R Trans.Option	Optional	On 16F x 16R Transmission only	Dealer installed option is simple, and easy to do with the cassette type creep speed.	
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)	Electrohydraulic Frt/Rear (Optional)	Electro-hydraulic Frt/Rear	Full mechanical lock up of all four wheels for maximum traction control if required.	
Front 4wd Axle	Bevel Pinion	U-Joint	U-Joint	U-Joint	Fully oil lube protected 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		
PTO System						
Standard	Independent	Independent	Independent	Independent	Industry standard.	
Speeds @ RPM	540 @ 2205 540 / 1000 Optional	540 @ 2208 1000 @ 2208	540 @ 2000 1000 @ 2000	540 @ 1800 1000 @ 2070		
Engagement Method	Hydraulic Modulating Self-	Electro-Hydraulic	Electro-Hydraulic	Electro-Hydraulic	Automatic, self-modulating engagement.	
Clutch type	Multi-Plate Wet Clutch	Multi-Plate Wet Clutch	Dry Clutch or Multi-Plate Wet Clutch	Multi-Plate Wet Clutch		
Hydraulic System						
Type	Open Center	Open Center	Open Center	Open Center		
Telescoping Link Ends	Standard	Left side standard Right side is Optional	Standard	Standard		
Flow	Gal/min (L/min)	17.2 (65.0)	17.5 (66.2)	15.7 (60)	14.5 (55)	High flow rate to maximize hydraulic performance.
Operating Pressure	psi (Kg/sq.cm)	2844 (200)	2500 (176)	IFNA	IFNA	
Draft Control Type	Top Link	Lower Link (Optional)	Lower Link	Lower Link		
Remote Control Valves Available	1 Std / 1 or 2 Optional	1 Std / 2 - 4 Optional	IFNA	1 Std, 3 Optional		
Three Point Hitch Type	Cat II	Cat II	Cat II	Cat II		
Lift Capacity / Standard	lbs. (kg)	4630 (2100)	5028 (2282)	4497(2040)	5745 (2605)	Standard lift capacity for general applications.
Lift Capacity / Optional	lbs. (kg)	7490 (3400)	N/A	6425 (2914) 8414 (3816)	N/A	Optional high capacity for heavy implements.
Dimensions						



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Wheelbase	in. (mm)	95.9 (2435)	94.5 (2400)	2wd / 88.1 (2237) 4wd / 92.8 (2356)	91.1 (2314)	Longer wheelbase improves ride quality, and enhances stability.
Height, Top of Cab	in. (mm)	106.0 (2680)	104.7 (2659)	107.4 (2728)	94.5 (248)	
Turning Radius (4wd engaged)	ft. (m)	2wd / 12.5 (3.8) 4wd / 15.4 (4.7)	2wd / 13.9 (4.24) 4wd / 18.3 (5.58)	2wd / 14.4 (4.4) 4wd / 14.7 (4.48)	11.6 (3.5) w/brake N/A w/o brake	Significant maneuverability advantage, particularly useful in confined spaces.
Weight: Cab Model	lb. (kg)	2wd 7055 (3200) 4wd 8642 (3920)	2wd 8580 (3900) 4wd 8987 (4085)	2wd 7397 (3355) 4wd 8466 (3840)	2wd / 7275 (3300) 4wd / 7936 (3600)	The M105S weighs inline with competitors.
Tires standard						
Front / 2 wd (SHC Model)		10.00-16 Bias	10.00-16 Bias	11.00-16 Bias	10.00-16 Bias	
Rear / 2 wd (SHC Model)		18.4-34 Bias Ply	18.4-34 Bias	18.4-34 Bias	16.9-30 Bias	
Front / 4 wd		13.6-24 Bias or Radial	12.4-24 Bias	13.6-24 Bias	11.2R24 Bias	Premium radial tires provide increased traction, longer life and a smoother ride.
Rear / 4 wd		18.4 - 34 Bias/Cast 18.4-30 - 18.4-34 optional Radial / Cast	18.4-34 Bias	18.4-34 Bias	16.9R30 Bias	Premium radial tires provide increased traction, longer life and a smoother ride.



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