



Utility/Ag Tractors

M105X/M125X



COMPARISON

FEATURE		KUBOTA M-105X	JOHN DEERE 6420	CASE IH MX100U	NEW HOLLAND TL100A	KUBOTA ADVANTAGE
Engine	Engine Manufacturer	Kubota	John Deere	Case IH	New Holland	Kubota designed and built
	PTO HP @ Rated RPM	90 @2600	90.0 @2300	82 @2500	85 @2500	Highest horsepower in this class
	Aspiration	Wastegate Turbocharged and Intercooled	Turbocharged w/intercooler	Turbocharged	Turbocharged	Increases performance and lugging ability in lower rpm ranges.
	Displacement cu. In. (l)	230 (3.77)	276 (4.5)	238 (3.9)	273 (4.5)	
	Cylinders	4	4	4	4	
	Injection Type	CDIS Center Direct Injection	Direct	Direct	Direct	Sophisticated Center Direct Injection increases fuel combustion efficiency.
	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	Strong recovery under load, maximum torque is developed at a lower and wider rpm range that increases lugging performance.	
Other	Fuel Tank Capacity gal. (l)	50.2 (190)	43.6 (165)	33.5 (127)	42 (160)	High capacity for longer hours of operation.
	Muffler	Under Hood	Under Hood	Under Hood	Under Hood	
	Exhaust Pipe (Standard)	Right Side cab corner	Option	Standard	Standard	Improves visibility
Transmission / Drive Train	Transmission	16F X 16R 8-Speed Dual Range Intelli-Shift (Power shift)	12F /4R Synchro-Plus	24Fx12R PowerShift w/ Mech Shuttle	12F X 12R Dual Command	Increased efficiency and speed selection by having 8 speeds in each range.
	Left-Hand Shuttle Lever	Standard	Optional with Syncro Plus 16F / 16R	Yes	No	Easier Operation without high cost option.
	Fully Synchronized Range Shift	Yes	Yes	Yes	Yes	Only two ranges simplify operation.



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Transmission / Drive Train (cont.)	Hydraulic Shuttle	Standard	Optional Synchro-Plus	Optional Electro-Hyd. 24FX24R only	Synchro Shuttle	Hydraulic shuttle is the preferred loader shuttle - and it's standard.
	Clutch Type	Wet	Wet	Dry Clutch Multi-Plate Wet Clutch (w/24FX24R Trans.)	Dry Ceremetalic Clutch	High performance wet clutch is standard
	Creep Speed / Optional	Cassette Type 24F X 24R	Factory Option	Yes	On 16F x 16R Transmission only	Simple field installation at any time by dealer.
	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	
	Differential Controls	Mechanical Front & Rear	Electro-hydraulic Front & Rear	Electro-hydraulic Frt/Rear (Optional)	Electro-hydraulic Frt/Rear	Operator control of both front and rear axel lock up.
	Front Axle / 4wd	Bevel Pinion with Bi-Speed Turn	U-Joint	U-Joint	U-Joint	Shorter Turning Radius. Provides 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	
	Speeds @ RPM	540 @ 2035 1000 @ 2210	540 @ 2208 1000 @ 2208	540 @ 2199 1000 @ 2381	540 @ 1800 1000 @ 2070	
	Engagement Method	Hydraulic Self-Modulating	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	



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Hydraulic System	Type	Open Center	Closed Center	Open Center	Open Center	
	Telescoping Link Ends	Standard	Standard	Standard	Standard	
	Flow gpm (l/min.)	18.1 gpm (68.4 l/m)	25.0 (94.6)	14.5 (55)	14.5 (55)	High volume open center system
	Maximum Operating Pressure lbs./sq. in. (K/sq. cm.)	2915 psi (205)	2900 (204)	2756 (194)	IFNA	Highest pressure to maximize hydraulic performance.
	Draft Control Type	Electronic Lower Link	Lower Link	Lower Link	Lower Link	
	Remote Control Valves Available Std / Opt	2 / 3 or 4	2 / 3 or 4	2	1 Std, 3 Optional	
	Three Point Hitch Type	Cat II	Cat II	Cat II	Cat II	
	Lift Capacity / Standard lbs. (kg)	5203 (2360)	5028 (2282)	7900 (3583)	5745 (2605)	
	Lift Capacity / Optional	9447 (4285)	N/A	N/A	N/A	High lift capacity if required to meet user's application.
Dimensions	Wheelbase in. (mm)	95.9 (2435)	94.5 (2400)	91.1 (2314)	91.1 (2314)	Longest wheelbase provides increased ride comfort.
	Height, Top of Cab in. (mm)	105.9 (2690)	94.8 (2408)	IFNA	94.5 (248)	
	Turning Radius w/o Brake ft. (m)	13.1 (4.0) 4wd w/ Bi-Speed	14.7 (4.5)	13.5 (4.1)	IFNA	Bi-Speed provides shortest turning radius from the longest wheelbase tractor.
	Weight: Cab Model lbs. (kg)	9005 (4085)	10474 (4750)	7936 (3600)	7936 (3600)	Field ready wt - 12,220 lbs.
Tires (Standard)	Front / 4 wd	13.6R24 Radial	12.4-24 Bias	14.9-24 Bias	11.2-24 Bias	Premium radial tires standard
	Rear / 4 wd	18.4R34 Radial	18.4-34 Bias	18.4-34 Bias	16.9-30 Bias	Premium radial tires standard