MX4700 Special Utility Tractors

Competitive Comparison					
Feature	Kubota MX4700	John Deere 5045 E & D	Massey Fergusen 1648	New Holland WorkMaster 45	Kubota Advantage
Engine Manufacturer	Kubota	John Deere	Iseki	New Holland	Designed and built by Kubota
Engine	V2403	PowerTech 3029	Iseki	IFNA	
EPA Emission Level	Interim Tier IV	Tier II	Interim Tier IV	Tier III	Meets latest EPA emission standards
Gross Engine HP hp (kw)	48.2 (35.9) @ 2700	45.0 (33.1) @ 2400	47.1 (35.1)	45 (33.5) @ 2700	
Net Engine HP hp (kw)	46.0 (34.3)@ 2700	N/A	N/A	N/A	
PTO HP @ Rated RPM hp (kw)	F/DT 39.5 (29.5) @ 2700 HST 38.0 (28.3) @ 2700	37.0 (27.3) @ 2400	Gear 38.0 (28.3) @ 2600 HST 36.5 (27.2) @ 2600	39 (29) @ 2700	High horsepower to weight ratio. Higest horsepower with HST transmission in an economy model.
Aspiration	Naturally Aspirated	Turbocharged	Naturally Aspirated	Turbocharged	
Displacement cu. in. (liters)	148.5 (2.4)	179 (2.9)	134.1 (2.2)	135 (2.2)	
Injection Type	E-TVCS / Indirect	Direct	Indirect	Direct	
Cylinders	4	3	4	4	Dynamically balanced for smooth operation.
Fuel Tank Capacity gal. (liters)	12.7 (48.0)	18.0 (68.0)	13.2 (50.0)	13.5 (51)	
Alternator Amps	45	40	IFNA	40	Higher rate of battery charge
Muffler / Exhaust Pipe	Under Hood Muffler Lower left front exhaust	Under hood muffler Vertical pipe	Under Hood Muffler Lower left front exhaust	Under hood muffler Vertical pipe	Clear field of view No exhaust pipe to look through.
Transmission / Drive Train					
Transmission	F/DT: 8F X 8R Synchro-Shuttle or HST: 3-Range	9F X 3R Collar Shift	8F X 8R Synchro-Shuttle or HST: 3-Range	8F X 8R Constant Mesh	Increased travel and direction change efficiency with true shuttle transmission or infinitately variable HST operation.
Left-Hand Shuttle Lever	F/ DT Standard	N/A	Yes	Yes	Left hand shuttle allows right hand use of loader joystick control.
Clutch Type	Dry	Dry	Dry	Dry	
Brakes	Wet Disc	Hydraulic Wet Disc	Wet Disc	Wet Disc	
Differential Lock	Mechanical	Mechanical	Mechanical	Mechanical	
Front 4wd Axle	Bevel Pinion	U-Joint	Bevel Pinion	U-Joint	Hermetically sealed in oil for long life. Constant power at all steering angles, and it is built by Kubota.
Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	
PTO System					
Type	Independent	Independent	Live	Independent	
Speeds @ RPM	540 @ 2700	540 @ 2400	540 @ IFNA rpm	540 @ IFNA	
Engagement Method	Hydraulic Self-Modulating	Mechanical	Elec-Hydraulic	Mechanical	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	Hydraulic Wet Clutch	Dry Clutch	Hydraulic Wet Clutch	Dry Clutch	Hydraulic PTO clutch is a "big tractor" feature, the clutch cooled and lubricated with oil for long life. In fact all Kubota M-Series tractors are equipped with a hydraulic PTO clutch.

MX4700 Special Utility Tractors

Competitive Comparison					
Feature	Kubota MX4700	John Deere 5045 E & D	Massey Fergusen 1648	New Holland WorkMaster 45	Kubota Advantage
Hydraulic System / Three Point Hitch					
Type	Open Center	Open Center	Open Center	Open Center	
Main Pump Flow gpm (l/m)	9.5 (35.8)	11.4 (43.1)	11.6 (43.9)	11.6 (44.0)	
Power Steering Flow gpm (l/m)	4.9 (18.6)	6.8 (25.7)	4.9 (18.6) HST 6.0 (22.7)	5.3 (20.1)	
Total Flow GPM psi (K/sq.cm)	14.4 (54.4)	18.2 (68.8)	16.5 (62.3) HST 17.6 (66.5)	16.9 (64.1)	
Main Pump Pressure psi (K/sq.cm)	2560 (180)	2828 (199)	IFNA	N/A	
Control Type	Position	Position	Position	Position	
Draft Control Type	Optional	Standard	Not Available	Not available	
Draft Control Sensing	Top Link	Top Link		N/A	
Hydraulic Remote Valves	1, 2 or 3 Optional	1 or 2 optional	1 - 3 Optional	1 Std / 1 Optional	
Three Point Hitch Type	Cat II / I	Cat II / I	Cat I	Cat II / I	
Lift Cap, 24" Behind Lft Pts. Lbs. (Kg)	2310 (1050)	3192 (1447)	IFNA	1830 (830)	
Dimensions					
Wheelbase in. (mm)	74.6 (1895)	(D) 2WD 76.8 (1950) (E) 4WD 80.7 (2050)	74.8 (1900)	N/A	
Height top of ROPS) in. (mm)	95.7 (2430)	93.9 (2386)	91.7 (2329)	93.9 (2386)	
Turning Radius w/o Brake Ft. (m) 4wd engaged / no brake	2wd / 8.5 (2.6) 4wd / 8.9 (2.7)	(D) 2WD 10.9 (3.0) (E) 4wd 11.6 (3.44)	2WD N/A 4WD 9.5 (2896)	N/A	Short turning radius increases manuverability maximizing productivity.
Weight lb. (kg)	F 2wd 3362 (1525) DT 4wd 3616 (1640) HST 4WD 3770 (1710)	(D) 2WD 4189 (1900) (E) 4WD 5070 (2300)	2wd N/A 4wd 3759 (1705)	2WD 3527 (1600) 4WD 3836 (1740)	Adaptable to low ground pressure, or ballast for heavy applications.
Tires standard					
Front / 2 wd	7.50L - 15 Bias	7.50 - 16 Bias	N/A	6.00 - 16 Bias	
Rear / 2 wd	14.9 - 26 R1 Bias	13.6 - 28 Bias	N/A	12.4 - 28 Bias	
Front / 4 wd	9.5 - 16 R1 Bias	9.5-24 Bias	9.5-16 R1 Bias	8.3 - 24 Bias	
Rear / 4 wd	14.9 - 26 R1 Bias	13.6-28 Bias	13.6-28 R1 Bias	13.6 - 28 Bias	Wider R1 Tires standard

MX5100 Special Utility Tractors

Competitive Comparison						
Feature		Kubota MX5100	John Deere 5055 E & D	Mahindra 5035	New Holland WorkMaster 45	Kubota Advantage
Engine Manufacturer		Kubota	John Deere	Mahrindra	New Holland	Designed and built by Kubota
Engine		V2403	PowerTech 3029	N/A	IFNA	
EPA Emission Level		Interim Tier IV	Tier II	Interim Tier IV	Tier III	Meets latest EPA emission standards
Gross Engine HP	hp (kw)	52.2 (38.9) @ 2700	55.0 (41.5) @ 2400	49.5 (36.9)	45 (33.5) @ 2700	
Net Engine HP	hp (kw)	50.0 (37.3)@ 2700	IFNA	IFNA	N/A	
PTO HP @ Rated RPM	hp (kw)	F/DT: 44.0 (32.8)@ 2700 HST: 42.5 (31.7) @ 2700	45.0 (33.1) @ 2400	Gear 43.0 (32.0) HST 41.5 (31.0)	39 (29) @ 2700	High horsepower to weight ratio. Higest horsepower with HST transmission in an economy model.
Aspiration		Turbocharged	Turbocharged	Naturally Aspirated	Turbocharged	Wastegate controlled turbocharger maximizes the lower engine RPM range by controlling the exhaust flow to maximize turbo boost.
Displacement	cu. in. (liters)	148.5 (2.4)	179 (2.9)	153 (2.52)	135 (2.2)	
Injection Type		E-TVCS / Indirect	Direct	Direct	Direct	
Cylinders		4	3	4	4	Dynamically balanced for smooth operation.
Fuel Tank Capacity	gal. (liters)	12.7 (48.0)	18.0 (68.0)	11.3 (42.8)	13.5 (51)	
Alternator Amps		45	40	45	40	Higher rate of battery charge
Muffler / Exhaust Pipe		Under Hood Muffler Lower left front exhaust	Under hood muffler Vertical pipe	Under Hood Muffler Lower left front exhaust	Under hood muffler Vertical pipe	Clear field of view No exhaust pipe to look through.
Transmission / Drive Train						
Transmission		F/DT 8F X 8R Partially Synchronized HST 3-Range	9F X 3R Collar Shift	12F x 12R Full Synchromesh HST 3-Range	8F X 8R Constant Mesh	Increased travel and direction change efficiency with true shuttle transmission or infinitately variable HST operation.
Left-Hand Shuttle Lever		F / DT Standard	N/A	Gear / Yes	Yes	Left hand shuttle allows right hand use of loader joystick control.
Clutch Type		Dry	Dry	Dry	Dry	
Brakes		Wet Disc	Hydraulic Wet Disc	Wet Disc	Wet Disc	
Differential Lock		Mechanical	Mechanical	Mechanical	Mechanical	
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 it is built by Kubota.
Power Steering		Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	
PTO System						
Type		Independent	Independent	Live	Independent	
Speeds @ RPM		540 @ 2700	540 @ 2400	540 @ 2404 rpm	540 @ IFNA	
Engagement Method		Hydraulic Self-Modulating	Mechanical	Mechanical	Mechanical	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		Hydraulic Wet Clutch	Dry Clutch	Dry Clutch	Dry 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.

MX5100 Special Utility Tractors

Competitive Comparison					
Feature	Kubota MX5100	John Deere 5055 E & D	Mahindra 5035	New Holland WorkMaster 45	Kubota Advantage
Hydraulic System / Three Point Hitch					
Type	Open Center	Open Center	Open Center	Open Center	
Main Pump Flow gpm (l/m)	9.5 (35.8)	11.4 (43.1)	11 .0 (41.6)	11.6 (44.0)	
Power Steering Flow gpm (l/m)	4.9 (18.6)	6.8 (25.7)	5.0 (18.9)	5.3 (20.1)	
Total Flow GPM psi (K/sq.cm)	14.4 (54.4)	18.2 (68.8)	16.9 (64.1)	16.9 (64.1)	
Main Pump Pressure psi (K/sq.cm)	2560 (180)	2828 (199)	IFNA	N/A	
Control Type	Position	Position	Position	Position	
Draft Control Type	Optional	Standard	Standard	Not available	
Draft Control Sensing	Top Link	Top Link	Top Link	N/A	
Hydraulic Remote Valves	1, 2 or 3 Optional	1 or 2 optional	1 Std.	1 Std / 1 Optional	
Three Point Hitch Type	Cat II / I	Cat II / I	Cat 1	Cat II / I	
Telescoping Link Ends	Standard (4WD)	Optional	Standard	N/A	Telescoping link ends are standard on DT and HST 4WD models to simplify implement hookup.
Lift Cap, 24" Behind Lft Pts. Lbs.(Kg)	2310 (1050)	3192 (1447)	3090 (1401)	1830 (830)	
Dimensions					
Wheelbase in. (mm)	74.6 (1895)	(D) 2WD 76.8 (1950) (E) 4WD 80.7 (2050)	N/A	N/A	
Height top of ROPS) in. (mm)	95.7 (2430)	94.8 (2407)	N/A	93.9 (2386)	
Turning Radius w/o Brake Ft.. (m) 4wd engaged / no brake	2wd / 8.5 (2.6) 4wd / 8.9 (2.7)	(D) 2WD 10.9 (3..0) (E) 4wd 11.6 (3.44)	2wd / 9.6 (2.93) 4wd / 9.6 (2.93)	N/A	Short turning radius increases manuverability maximizing productivity.
Weight lb. (kg)	F 2wd 3369 (1528) DT 4wd 3620 (1642) HST 4WD 3774 (1712)	(D) 2WD 4189 (1900) (E) 4WD 5070 (2300)	Gear 4wd 4939 (2240) HST 5389 (2444)	2WD 3527 (1600) 4WD 3836 (1740)	Adaptable to low ground pressure, or heavier applications as required.
Tires standard					
Front / 2 wd	7.50L - 15 Bias	7.50 - 16 Bias		6.00 - 16 Bias	
Rear / 2 wd	14.9 - 26 R1 Bias	14.9 - 28 Bias		12.4 - 28 Bias	
Front / 4 wd	9.5 - 16 R1 Bias	9.5-24 Bias	9.5-20 R1 Bias	8.3 - 24 Bias	
Rear / 4 wd	14.9 - 26 R1 Bias	14.9-28 Bias	16.9-24 R1 Bias	13.6 - 28 Bias	