

Kubota Tractor
M5-091



COMPETITIVE COMPARISON				
FEATURES		Kubota M5-091	John Deere 5090E	New Holland T4.90
Engine Manufacturer		Kubota	John Deere	Fiat Power Train
Engine		V3800CR-TIEF4	PowerTech 4045	F5G
EPA Emission Level		Tier 4 Final	Tier 4 Final	Tier 4B Final
Gross Engine HP, 97/68/EC	hp (kw)	92.5 (69.0)	90.0 (67.1) @ 2400	86 (64)
Net Engine HP, SAE J1349	hp (kw)	85.5 (63.8)	N/P	N/P
PTO HP	hp (kw)	76.0 (56.7)	75 (52.2)	73 (54)
Rated Engine Speeds	rpm	ROPS : 2400 CAB : 2600	2400	N/P
Aspiration		Turbocharged	Turbocharged	Turbocharged
Displacement	cu. in. (l)	230 (3.769)	276 (4.5)	207 (3.4)
Injection Type		Common Rail Direct Injection	Direct	High Pressure Common Rail
Cylinders		4	4	4
Alternator Amps		ROPS: 60 CAB: 80 OPT: 130	N/P	ROPS: 120 CAB: 150
Muffler / Exhaust Pipe		Under Hood Vertical exhaust Option Down Pipe.	Under Hood Vertical exhaust	Vertical Standard
Exhaust After Treatment		EGR, DOC, DPF, SCR	EGR, DOC, SCR	EGR, DOC, SCR, CUC
Cab A/C Serviceability		Slide out A/C Condenser	Slide out A/C Condenser	N/P

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COMPETITIVE COMPARISON					
FEATURES		Kubota M5-091	John Deere 5090E	New Holland T4.90	
Fuel Tank	Fuel Tank Capacity	gal. (l)	27.7 (105)	25 (94.6) ROPS 30 (114) CAB	30.3 (115)
	DEF Tank Capacity	gal. (l)	3.2 (12.3)	N/P	2.8 (10.6)
Transmission	Transmission		8F X 8R Opt. 12F X 12R	12F/12R PowrReverser Opt. 24F/12R PowrReverser	12F / 12R Opt. 24F / 24R
	Left-Hand Shuttle Lever		Standard	Standard	Standard
	Hydraulic Shuttle		Standard	Standard	Standard
	Fully Synchronized Main Shift		Standard	Standard	Standard
	Creep Speed		Dealer Installed Option	N/A	Optional
	Final Drive		Inboard Planetary	Inboard Planetary	Inboard Planetary
	Clutch Type		Wet Hydraulic	Wet Hydraulic	Wet Hydraulic
	Brakes		Wet Disc	Wet Disc	Wet Disc
Axles Steering	Differential Lock		Mechanical	Mechanical	Mechanical
	Front 4WD Axle		Bevel Gear	U Joint	U Joint
	Power Steering		Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering

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COMPETITIVE COMPARISON					
FEATURES		Kubota M5-091	John Deere 5090E	New Holland T4.90	
PTO	Type	Independent	Independent	Independent	
	Speeds @ RPM	8 Speed: 540 @ 2205 12 Speed: 540/540E @ 2035/1519 Opt. 1000	540/540E @ 2400/1716 Opt. 1000	540 @ N/P Opt. 540E	
	Engagement Method	Electrohydraulic	Electrohydraulic	N/P	
	Clutch type	Multi-Plate Wet Clutch	Wet Hydraulic	N/P	
Hydraulic System Three Point Hitch	Type	Open Center	Open Center	Open Center	
	Main Pump Flow	gpm (l/m)	ROPS: 15.9 (60) CAB: 17.0 (64.3)	15.9 (60.1)	16.9 (64)
	Power Steering Flow	gpm (l/m)	ROPS: 5.4 (20.4) CAB: 6.1 (23.0)	6.8 (25.7)	N/P
	Total Flow GPM	gpm (l/m)	ROPS: 21.3 (80.6) CAB: 23.1 (87.3)	22.5 (85.1)	N/P
	Main Pump Pressure	psi (Kg/sq.cm)	2929 (206)	2900 (200)	N/P
	Control Type		Position	Position	N/P
	Draft Control Type		Mechanical	Mechanical	Mechanical
	Draft Control Sensing		Top Link	Top Link	Top Link
	Hydraulic Remote Valves	Std (opt.)	1 (2)	2 (1)	2 (1)
	Three Point Hitch Type		Cat II	Cat II	Cat II / I
	Telescoping Link Ends		Standard	Standard	Standard
	Lift Cap, 24" Behind Lft Pts., SAE	lbs (kg)	8 Speed: 5181 (2350) 12 Speed: 7275 (3300)	3213 (1457)	5620 (2549) Opt. 7351 (3334)

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COMPETITIVE COMPARISON				
FEATURES		Kubota M5-091	John Deere 5090E	New Holland T4.90
Dimensions Weight	Wheelbase in (mm)	2WD: 90.0 (2285) 4WD: 88.6 (2250)	92.5 (2350)	2WD: 92.2 (2343) 4WD: 90 (2285)
	Height, Top of ROPS Top of Cab	ROPS: 98.9 (2510) CAB: 100.2 (2545)	N/P	ROPS: 102.1 (2594) CAB: 106.5 (2606)
	Turning Radius w/o Brake 4WD engaged / no brake ft. (m)	2WD / 12.1 (3.7) 4WD / 13.8 (4.2)	14.3 (4.36)	N/P
	Weight lb. (kg)	2WD ROPS: 5732 (2600) 4WD ROPS: 6151 (2790) 2WD CAB: 6482 (2940) 4WD CAB: 6900 (3130)	ROPS: 7275 (3300) CAB: 8150 (3700)	2WD ROPS: 6989 (3170) 2WD CAB: 7474 (3390) 4WD ROPS: 7672 (3480) 4WD CAB: 8157 (3700)
Tires	Front / 2WD	7.5-18 Bias	N/A	7.5-16 Bias
	Rear / 2WD	18.4-28 Bias	N/A	18.4-30 Bias
	Front / 4WD	12.4-24 Bias	11.2-24 Bias	12.4-24 Bias
	Rear / 4WD	18.4-30 Bias	16.9-30 Bias	18.4-30 Bias

N/A = Not Available

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Kubota Tractor
M5-111



COMPETITIVE COMPARISON					
FEATURES		Kubota M5-111	John Deere 5100E	New Holland T4.100	
Engine	Engine Manufacturer	Kubota	John Deere	Fiat Power Train	
	Engine	V3800CR-TIEF4	PowerTech 4045	F5G	
	EPA Emission Level	Tier 4 Final	Tier 4 Final	Tier 4B Final	
	Gross Engine HP, 97/68/EC	hp (kw)	105.6 (78.8)	100 (74.6)	99 (74)
	Net Engine HP, SAE J1349	hp (kw)	100 (74.6)	N/P	N/P
	PTO HP	hp (kw)	89.0 (66.4)	85 (63.4)	85 (63)
	Rated Engine Speeds	rpm	ROPS : 2400 CAB : 2600	2400	N/P
	Aspiration		Turbocharged	Turbocharged	Turbocharged
	Displacement	cu. in. (liters)	230 (3.769)	276 (4.5)	207 (3.4)
	Injection Type		Common Rail Direct Injection	Direct	High Pressure Common Rail
	Cylinders		4	4	4
	Alternator Amps		ROPS: 60 CAB: 80	N/P	ROPS: 120 CAB: 150
	Muffler / Exhaust Pipe		Under Hood Vertical exhaust Option Down Pipe	Under Hood Vertical exhaust	Vertical Standard
	Exhaust After Treatment		EGR, DOC, DPF, SCR	EGR, DOC, SCR	EGR, DOC, SCR, CUC
Cab A/C Serviceability		Slide out A/C Condenser	Slide out A/C Condenser	N/P	
Fuel Tank	Fuel Tank Capacity	gal. (liters)	27.7 (105)	25 (94.6) ROPS 30 (114) CAB	30.3 (115)
DEF Tank	DEF Tank Capacity	gal. (liters)	3.2 (12.3)	N/P	2.8 (10.6)

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COMPETITIVE COMPARISON				
FEATURES	Kubota M5-111	John Deere 5100E	New Holland T4.100	
Transmission	Transmission	8F X 8R Opt. 12F X 12R Opt. 24F X 24R	12F/12R PowrReverser Opt. 24F/12R PowrReverser	12F / 12R Opt. 24F / 24R
	Left-Hand Shuttle Lever	Standard	Standard	Standard
	Hydraulic Shuttle	Standard	Standard	Standard
	Fully Synchronized Main Shift	Standard	Standard	Standard
	Creep Speed	Dealer Installed Option	N/A	Optional
	Final Drive	Inboard Planetary	Inboard Planetary	Inboard Planetary
	Clutch Type	Wet Hydraulic	Hydraulic Optional	Wet Hydraulic
	Brakes	Wet Disc	Wet Disc	Wet Disc
Axles Steering	Differential Lock	Mechanical	Mechanical	Mechanical
	Front 4WD Axle	Bevel Gear	U Joint	U Joint
	Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering	Hydrostatic Power Steering
PTO	Type	Independent	Independent	Independent
	Speeds @ RPM	8 Speed: 540 @ 2205 12/24 Speed: 540/540E @ 2035/1519 Opt. 1000	540/540E @ 2400/1716 Opt. 1000	540 @ N/P Opt. 540E or 1000
	Engagement Method	Electrohydraulic	Electrohydraulic	N/P
	Clutch type	Multi-Plate Wet Clutch	Wet Hydraulic	N/P



COMPETITIVE COMPARISON				
FEATURES		Kubota M5-111	John Deere 5100E	New Holland T4.100
Hydraulic System Three Point Hitch	Type	Open Center	Open Center	Open Center
	Main Pump Flow	gpm (l/m) ROPS: 15.9 (60) CAB: 17.0 (64.3)	15.9 (60.1)	16.9 (64)
	Power Steering Flow	gpm (l/m) ROPS: 5.4 (20.4) CAB: 6.1 (23.0)	6.8 (25.7)	N/P
	Total Flow GPM	gpm (l/m) ROPS: 21.3 (80.6) CAB: 23.1 (87.3)	22.5 (85.1)	N/P
	Main Pump Pressure	psi (Kg/sq.cm) 2929 (206)	2900 (200)	N/P
	Control Type	Position	Position	N/P
	Draft Control Type	Mechanical	Mechanical	Mechanical
	Draft Control Sensing	Top Link	Top Link	Top Link
	Hydraulic Remote Valves	Std (opt.) 1 (2)	2 (1)	2 (1)
	Three Point Hitch Type	Cat II	Cat II	Cat II / I
	Telescoping Link Ends	Standard	Standard	Standard
	Lift Cap, 24" Behind Lft Pts., SAE	lbs (kg) 8 Speed: 5181 (2350) 12/24 Speed: 7275 (3300)	3213 (1457)	5620 (2549) Opt. 7351 (3334)
Dimensions Weight	Wheelbase	in (mm) 2WD: 90.0 (2285) 4WD: 88.6 (2250)	92.5 (2350)	2WD: 92.2 (2343) 4WD: 90 (2285)
	Height, Top of ROPS Top of Cab	ROPS: 99.8 (2535) CAB: 101.2 (2570)	N/P	ROPS: 102.1 (2594) CAB: 106.5 (2606)
	Turning Radius w/o Brake 4WD engaged / no brake	ft. (m) 2WD / 12.1 (3.7) 4WD / 13.8 (4.2)	14.3 (4.36)	N/P
	Weight	lb. (kg) 2WD ROPS: 5865 (2660) 4WD ROPS: 6283 (2850) 2WD CAB: 6615 (3000) 4WD CAB: 7033 (3190)	ROPS: 7275 (3300) CAB: 8150 (3700)	2WD ROPS: 6989 (3170) 2WD CAB: 7474 (3390) 4WD ROPS: 7672 (3480) 4WD CAB: 8157 (3700)

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COMPETITIVE COMPARISON			
FEATURES	Kubota M5-111	John Deere 5100E	New Holland T4.100
Front / 2WD	7.5-18 Bias	N/A	7.5-16 Bias
Rear / 2WD	18.4-30 Bias	N/A	18.4-30 Bias
Front / 4WD	12.4-24 Bias	12.4-24 Bias	12.4-24 Bias
Rear / 4WD	18.4-30 Bias	18.4-30 Bias	18.4-30 Bias

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