

COMPETITIVE COMPARISON									
MODEL		Kubota BX1880	Mahindra eMax 22S HST	John Deere 1023E	Kubota BX2380	John Deere 1025R	Mahindra eMax 25S HST	Kubota BX2680	
Engine	Manufacturer	Kubota	Daedong	Yanmar	Kubota	Yanmar	Daedong	Kubota	
	Type	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	
	Gross Engine (*SAE J1995)	HP (kw)	18.0 (13.4)*	22 (16.4)	22.4 (16.5)	23.0 (17.1)*	23.9 (17.8)	24 (17.9)	25.5 (19.0)*
	PTO (*OECD 2)	HP (kw)	13.7 (10.2)*	14.9 (11.1)	14.5 (10.8)	17.7 (13.2)*	18 (13.4)	16.9 (12.6)	19.5 (14.5)*
	Rated Engine Speed	rpm	3200	3000	3200	3200	3200	3000	3200
	Cylinders/Displacement	cu.in. (liters)	3 / 43.9 (.719)	3 / 61.5 (1.007)	3 / 60.6 (.993)	3 / 54.8 (.898)	3 / 77.3 (1.267)	3 / 61.5 (1.007)	3 / 61.1 (1.001)
	Engine Torque @ rated speed	ft./lb.	32.1	N/P	36.3	40	40.7	N/P	44.4
	Fuel Tank Cap	US Gal. (L)	6.6 (25)	5.8 (21.96)	5.6 (21.2)	6.6 (25)	5.6 (21.2)	5.8 (21.96)	6.6 (25)
Electrical	Battery Size	(CCA)	560	12V 50AH	500	560	500	12V 50AH	560
	Alternator	(12 volt, amp)	40	50	40	40	40	50	40
Transmission	Std. Transmission; Forward/Reverse	Hydrostatic - 2 Range	Hydrostatic - 2 Range	Hydrostatic - 2 Range	Hydrostatic - 2 Range	Hydrostatic - 2 Range	Hydrostatic - 2 Range	Hydrostatic - 2 Range	
	Brakes	Multi wet disc	Wet disc	Wet disc hand pedal (left)	Multi wet disc	Wet disc hand pedal (left)	Wet disc	Wet disc	
	Steering	Power	Power	Power	Power	Power	Power	Power	
	Axle Capacity	Front, lb. (kg) Rear, lb. (kg)	1630 (740) 2120 (960)	N/P N/P	1349 (612) 1576 (715)	1630 (740) 2120 (960)	1349 (612) 1576 (715)	N/P N/P	1630 (740) 2120 (960)
Hydraulics	Remote Control Valves Available	2	1	2	2	2	1	2	
3-point Hitch	Type	Category 1	Category 1	Limited Category 1	Category 1	Limited Category 1	Category 1	Category 1	
	Lift Capacity (24-in. behind link arms)	lb. (kg)	680 (310)	N/P	681 (309)	680 (310)	681 (309)	N/P	680 (310)
	Lift Capacity @ lift links ends	lb. (kg)	1210 (550)	1320 (599)	N/P	1210 (550)	N/P	1320 (599)	1210 (550)
Power Take-Off (PTO)	Standard	Rear 540/Mid 2500	Rear 540/Mid 2000	Rear 540/Mid 2100	Rear 540/Mid 2500	Rear 540/Mid 2100	Rear 540/Mid 2000	Rear 540/Mid 2500	
	Control	Independent	Independent	Independent	Independent	Independent	Independent	Independent	
	Clutch	Wet hydraulic	N/P	Wet disc	Wet hydraulic	Wet disc	N/P	Wet hydraulic	
Operator Station	Rollover Protective Structure	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Rigid- Foldable - Telescopic	Foldable	Foldable	Foldable	Foldable	Foldable	Foldable	Foldable	
	Platform - Flat/Straddle	Flat	Straddle	One-piece semi flat	Flat	One-piece semi flat	Straddle	Flat	
Dimensions	Wheelbase	in. (mm)	55.1 (1400)	N/P	57.1 (1450)	55.1 (1400)	57.1 (1450)	N/P	55.1 (1400)
	Front Tread		36.6 (930)	N/P	36.1 (918)	36.6 (930)	36.1 (918)	N/P	36.6 (930)
	Turning Radius w/o Brakes	ft. (m)	7.5 (2.3)	7.2 (2.2)	7.4 (2.25)	7.5 (2.3)	7.4 (2.25)	7.2 (2.2)	7.5 (2.3)
	Tractor Weight		1336 (606)	1540 (698.5)	1345 (610)	1443 (650)	1444 (665)	1540 (698.5)	1521 (670)
Standard Tires	Front		16x7.5-8 ; Turf	20x8.0-10 ; Turf	18x8.5-10 ; R4	18x8.5-10 ; Turf	18x8.5-10 ; R4	20x8.0-10 ; Turf	18x8.5-10 ; Turf
	Rear		24x12-12 ; Turf	29x12.5-15 ; Turf	26X12-12 ; R4	26x12.0-12 ; Turf	18x8.5-10 ; R4	29x12.5-15 ; Turf	26x12.0-12 ; Turf

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BX1880 - BX2680 Implements



COMPETITIVE COMPARISON									
MODEL		Kubota BX1880		Kubota BX2380 - BX2680		John Deere 1023E - 1025R		Mahindra eMax 22S - eMax 25S	
LOADER		LA344	LA344S	LA344	LA344S	D120	120R	eMax 25L-S	
LOADER	Lift Capacity (Pivot Pin, Max. Height)	lb.	739	613	739	613	825	754	900
	Lift Capacity (500mm Forward Pivot Pin, Max. Height)	lb.	509	423	509	423	570	520	N/P
	Lift Height (Pivot Pin)	in.	70.7		71.0		71.2	72.0	75.3
	Reach at Maximum Height	in.	25.3	26.5	25.4	26.7	22.5	24.7	24.9
	Boom Breakout Force (Pivot Pin)	ft.lb	1407	1286	1407	1286	1808	1823	2000
	Boom Breakout Force (500mm Forward Pivot Pin)	ft.lb	978	901	978	901	1238	1320	N/P
	Digging Depth at Bucket Level	in.	5.3	5.2	4.9	4.8	4.0	3.2	4.1
	Cycle Times - Loader Raise	sec.	3.3		3.3		4	3.2	4.4
	Cycle Times - Loader Lower	sec.	2.5		2.5		2.5	3.2	2.5
	Cycle Times - Bucket Dump	sec.	2.7		2.7		5.7	3.1	5.3
	Cycle Times - Bucket Rollback	sec.	2.3		2.3		3.5	2.2	3.8
	Bucket Angle - Dump Angle	degrees	45		45		40.1	40.5	38.0
	Bucket Angle - Rollback Angle	degrees	30		29		31.2	29.87	20
	Universal 2-Lever Quick Attach Coupler		Optional	Standard	Optional	Standard	N/A		N/A
	Quick Attach Loader		Standard		Standard		Standard		Standard
Third Function Valve		Optional		Optional		N/A		N/A	
Factory Pallet Forks		Available		Available		N/A		N/A	

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* Non Self Leveling Loader

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COMPETITIVE COMPARISON

MODEL		Kubota BX23S	John Deere 1025R - TLB	Mahindra eMax 25S HST TLB	
Engine	Manufacturer	Kubota	Yanmar	Daedong	
	Type	Diesel	Diesel	Diesel	
	Gross Engine (*SAE J1995)	HP (kw)	23.0 (17.2)*	23.9 (17.8)	24 (17.9)
	PTO (*OECD 2)	HP (kw)	17.7 (13.2)*	18 (13.4)	16.9 (12.6)
	Rated Engine Speed	rpm	3200	3200	3000
	Cylinders/Displacement	cu.in. (liters)	3 / 54.8 (.898)	3 / 77.3 (1.267)	3 / 61.5 (1.007)
	Engine Torque @ rated speed	ft./lb.	40	40.7	N/P
	Fuel Tank Cap	US Gal. (L)	6.6 (25)	5.6 (21.2)	5.8 (21.96)
Electrical	Battery Size	(CCA)	560	500	12V 50AH
	Alternator	(12 volt, amp)	40	40	50
Transmission	Std. Transmission; Forward/Reverse	Hydrostatic - 2 Range	Hydrostatic - 2 Range	Hydrostatic - 2 Range	
	Brakes	Wet disc	Wet disc (left hand pedal)	Wet disc	
	Steering	Power	Power	Power	
	Axle Capacity	Front, lb. (kg) Rear, lb. (kg)	1630 (740) 2120 (960)	1349 (612) 1576 (715)	N/P N/P
Hydraulics	Remote Control Valves Available	N/A	N/A	N/P	
3-point Hitch	Type	Optional	Limited Category 1	Category 1	
	Lift Capacity (24-in. behind link arms)	lb. (kg)	680 (310)	681 (309)	N/P
	Lift Capacity @ lift links ends	lb. (kg)	1210 (550)	N/P	1320 (599)
Power Take-Off (PTO)	Standard	Rear 540/Mid 2500	Rear 540/Mid 2100	Rear 540/Mid 2000	
	Control	Independent	Independent	Independent	
	Clutch	Wet hydraulic	Wet disc	N/P	
Operator Station	Rollover Protective Structure	Yes	Yes	Yes	
	Rigid- Foldable - Telescopic	Foldable	Foldable	Foldable	
	Platform - Flat/Straddle	Flat	One-piece semi flat	Straddle	
Dimensions	Wheelbase	in. (mm)	55.1 (1400)	57.1 (1450)	N/P
	Front Tread		36.6 (930)	36.1 (918)	N/P
	Front Axle Clearance	in. (mm)	8.9 (225)	7.7 (195)	N/P
	Turning Radius w/o Brakes	ft. (m)	7.5 (2.3)	7.4 (2.25)	7.2 (2.2)
	TLB Weight		2689 (1220)	2208 (1002), Excludes Loader Frame	2757 (1251)
Standard Tires	Front		18x8.5-10 ; Turf	18x8.5-10 ; R4	20x8.0-10 ; Turf
	Rear		26x12.0-12 ; Turf	18x8.5-10 ; R4	29x12.5-15 ; Turf

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BX23S Implements



COMPETITIVE COMPARISON

MODEL		Kubota BX23S		John Deere 1025R	Mahindra eMax 25S HST	
LOADER		LA340 Pin-on	LA340 Quick Attach	120R Loader	eMax 25L-S	
LOADER	Lift Capacity (Pivot Pin, Max. Height)	lb.	739	613	754	900
	Lift Capacity (500mm Forward Pivot Pin, Max. Height)	lb.	509	423	520	N/P
	Lift Height (Pivot Pin)	in.	71		72.0	75.3
	Reach with Bucket on Ground	in.	54.8	56.6	46.7	N/P
	Boom Breakout Force (Pivot Pin)	ft.lb	1407	1286	1823	2000
	Boom Breakout Force (500mm Forward Pivot Pin)	ft.lb	987	901	1320	N/P
	Digging Depth at Bucket Level	in.	4.9	4.8	3.2	4.1
	Cycle Times - Loader Raise	sec.	3.3		3.2	4.4
	Cycle Times - Loader Lower	sec.	2.5		3.2	2.5
	Cycle Times - Bucket Dump	sec.	2.3		3.1	5.3
	Cycle Times - Bucket Rollback	sec.	2.7		2.2	3.8
	Bucket Angle - Dump Angle	degrees	45		41	38.0
	Bucket Angle - Rollback Angle	degrees	29		29.87	20
	2-Lever Quick Attach Coupler		Optional	Standard	N/A	N/A
	Quick Attach Loader		Standard		Standard	Standard
Third Function Valve		Optional		N/A	N/A	
Factory Pallet Forks		Available		N/A	N/A	
MODEL		Kubota BX23S BT603 Backhoe		John Deere 1025R 260 Backhoe	Mahindra eMax 25S HST eMax 26B	
BACKHOE	Digging Depth at 2' flat bottom	ft.	6 ft. 5 in.		6 ft. 2 in.	6 ft. 2.9 in.
	Swing Arc	degrees	140.0		150.0	150.0
	Bucket Cylinder Digging Force	lb.	1936		2036	2145
	Dipperstick Cylinder Digging Force	lb.	1171		1187	903
	Loading Height	ft.	5 ft. 4 in.		5 ft.	5 ft. 2 in.
	Reach from Swing Point	in.	102.8		105.6	102.0
	6-Positional Mechanical Thumb		Optional		Optional	Optional

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