

Specifications

MODEL		EX40 MECHANICAL	EX40 HST	EX50 MECHANICAL	EX50 HST
ENGINE					
Model(Cab)		4A200LXM (4A200LWM)		4B243LWM (4B243LWM)	
Type		4Cyl., In-line Vertical, Water-cooled4-cycle diesel engine			
Engine gross	HP	41		49	
PTO(Cab)	HP	34 (32.1)	32.5 (30.2)	39.5 (38.3)	37.5 (35.5)
Displacement	cc	1,999		2,435	
Rated revolution	rpm			2,600	
Fuel tank capacity	ℓ			45	
DRIVE TRAIN					
Clutch		Dry type single stage	None	Dry type single stage	None
Transmission		Synchro Shuttle	Hydrostatic drive	Synchro Shuttle	Hydrostatic drive
No. of Speeds		F24/F24	3 Range HST	F24/F24	3 Range HST
Differential lock					
Brake				Standard	
PTO				Wet disc type	
				Hydrostatic, Independent	
Rear PTO(standard)	rpm			540	
Mid PTO(standard)	rpm			2,000	
HYDRAULIC SYSTEM					
Pump				Gear(Tandem)	
Pump capacity(Max. flow rate)	ℓ/min			63.9	
3-point hitch				Cat. I	
Hitch Lift Capacity at Lift Link End				1,334	
Hitch Lift Capacity at 24" behind LP	kg			1,131	
Hydraulic lift control system				Position, Draft, Mixed control	
Steering				Hydrostatic Power Steering	
TIRE SIZE					
Front AG.(TURF, INDUSTRIAL)		8-16/6		9.5-16/6	
Rear AG.(TURF, INDUSTRIAL)		13.6-24/6		13.6-26/6	
TRAVELING SPEEDS					
Forward at Max. RPM of the Engine	km/h	0.18~26.4	0~29.1	0.19~27.8	0~30.7
Reverse at Max. RPM of the Engine	km/h	0.16~23.4	0~29.1	0.16~24.7	0~30.7
DIMENSIONS					
Overall length (includes 3-pt hitch)	mm	3,280		3,410	
Overall width (minimum tread)	mm	1,625		1,760	
Overall height (from of the Cabin)	mm	2,455		2,485	
Wheelbase	mm	1,880		1,880	
Min. ground clearance	mm	375		405	
Tread Front(Ag.)	mm	1,248		1,365	
Tread Rear(Ag.)	mm	1,262~1,490		1,370~1,515	
Min. turning radius (with brake)	m	2.91		3.13	
Weight with ROPS(Cab)and AG tires	kgf	1,780 (1,990)	1,745 (1,955)	1,800 (2,010)	1,785 (1,995)

• NOTE : The specifications are subject to change for the purpose of improvement without any notice.



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Dealer Imprint Area



Standard Equipment

CAB & ROPS

- One lever Joystick for Front Loader
- Creeper Gear (Mechanical)
- 1st Double acting valve
- Rear differential lock
- Oil cooler
- Rear view mirror
- Crank Adjustable Lift Link
- Hydraulic power steering
- Hand Parking Brake (Mechanical)
- Towing Hook
- Horn
- Telescopic 3-point hitch ends
- Telescopic stabilizers
- 7 pin socket
- Tilt steering wheel
- Swing draw bar
- Foot throttles (Mechanical)
- Removable drawbar/Adjustable Seat
- Cupholder
- Mid PTO

CAB

- Air Conditioner
- Heater
- Front / Rear Windshield Wiper
- Front / Rear Work Lamp(2EA)
- Side / Rear glass door(2EA)
- Cigar socket

Optional Equipments

CAB & ROPS

- 2nd Double acting valve
- Weight Front (85kg/5EA)
- Rear (100kg/4EA)
- Beacon lamp

CAB

- AM/FM Radio CD player

ROPS

- Sun canopy
- Working lamp



run ahead of the pack

KIOTI UTILITY TRACTOR EX40 / EX50

Kioti Tractor / Daedong Ind. Co., Ltd. / TEL:EX35(EX40/EX50)CJ_04_1112



It all Happens by Design



LCD Display

- Newly decorated LCD panel provides all necessary information.
 - It offers high-visibility through symbols & letters with LED light.
 - The LCD monitor also shows PTO rev., mal-function guide, fuel indicator and over-heating.
- A. BASIC DISPLAY MODE
ENGINE RPM, PTO RPM(rear/mid), NEUTRAL, HOUR METER
 - B. LAMP DISPLAY MODE
ONE SIDE BRAKE(HST), 4-WD, PTO OPERATING DISPLAY(REAR), CRUISE CONTROL(HST)
 - C. WARNING DISPLAY MODE
FUEL, TEMPERATURE, CHARGING, ENGINE OIL PRESSURE

Simple Maintenance

KIOTI tractors are designed for easy access and simple maintenance. The hood opens completely exposing the top of the engine and side panels are easily removed to expose all daily service check areas.

Safe Cabin

All Kioti cabs meet or exceed EEC/OECD safety regulations while still providing excellent visibility to the front, rear and sides. The rear roof position of the cab's air conditioning and heating unit also allows for greater visibility of the loader and loader attachment in the full lift position.

Environmentally Friendly Engines

The exceptionally quiet Kioti Diesel engines produce little vibration at working RPMs and meet or exceed all EPA and Europe regulations through optimal combustion and fuel economy.

Contemporary Design

The new EX cabs from Kioti feature a sleek design with the premium fit and finish that Kioti is known for in their tractors and cabs. Inside the cab, operator safety and comfort are foremost.



(a) Cruise Control
(b) PTO Select Switch (c) PTO Switch

Servo HST applied

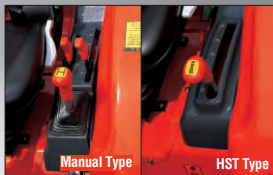
Regardless how big the load is, with the luxurious servo HST that controls a constant pedal operating power, an operator can reduce his fatigue even under a long period of working hours.

- Requiring much lighter pedal operating power and with lesser shock, vibration & noise than mech. type of HST tractors.
- Two separate pedals applied for forward and reverse movement.
- Brake pedal installed in the left side on HST tractors.



High visibility Head and work lights

A one piece, dual headlight component is incorporated into the slopping design of the hood and front and rear cab working lights provide excellent illumination at night or when visibility is reduced due to fog or dust. All KIOTI exterior lighting meets or exceeds safety and operation regulations.



Hi/Mid/Low speed ranges

The HST models feature a Hi/Mid / Low range transmission to maximize performance and efficiency. With three ranges, speed and power can be matched to any job.



Hydrostatic Transmission (HST)

The HST models feature performance-proven, heavy-duty HST drives that deliver power smoothly and efficiently. Two HST pedals control allows speed and direction changes without clutching or shifting. With the DAEDONG HST system, your hands remain free for steering and implement control.



Single lever joystick

The operation of the front-end loader is made easier by the use of a single lever joystick. The joystick allows you to perform all loader functions with a single lever. The lever automatically returns to neutral and the loader stops in place when the joystick is released. A float position allows the bucket free floatation over the ground surface.



Increased Hydraulic Pump Capacity

With increased hydraulic pump capacity by 15%, as the speed of running rear implements such as front loader, backhoe, etc is much faster. The work efficiency can be much improved.



Hydraulic filter for only HST tractors

With an additional hydraulic filter on HST tractors can prevent HST damage by something foreign.

More steps MLS valve applied

- Speed control - control drop speed or lock into any position.
- Hydraulic control system: draft, position and mixed control.
- No. Of an attachable rear hydraulic valves up to 2pcs.

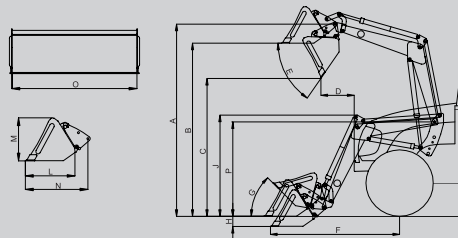
Hydraulic independent PTO

Rear PTO is standard and is easily engaged by simple push of a button and selecting either manual or automatic operation. A mid-PTO is optional and both rear and mid-PTOs can be operated independently or simultaneously.



Loader Specifications

Loader Model	KL140	KL150
A. Maximum lift height to pivot pin	2,635mm(103.7")	2,754mm(108.4")
B. Maximum lift height under level bucket	2,345mm(92.3")	2,464mm(97.0")
C. Clearance with bucket dumped	1,805mm(71.1")	1,922mm(75.7")
D. Reach at maximum lift height	335mm(13.2")	319mm(12.6")
E. Maximum dump angle	58.0°	58.0°
F. Reach with bucket on ground	2,000mm(78.7")	1,893mm(74.5")
G. Maximum rollback angle	48.0°	48.0°
H. Digging depth	275mm(10.8")	160mm(6.3")
J. Overall height in carry position	1,320mm(52.0")	1,437mm(56.6")
L. Bucket depth	584mm(23.0")	584mm(23.0")
M. Bucket height	563mm(22.2")	563mm(22.2")
N. Bucket length	798mm(31.4")	798mm(31.4")
O. Bucket width	1,524mm(60.0")	1,702mm(67.0")
Lift capacity to maximum height-at pivot pin	977Kg(2,154lbs)	1,450Kg(3,198lbs)
Breakout force-at pivot pin	1,396Kg(3,079lbs)	2,073Kg(4,570lbs)
Boom cylinder	35x60x700x480STmm 1.38x2.36x27.56x18.90ST"	35x60x700x480STmm 1.38x2.36x27.56x18.90ST"
Bucket cylinder	35x60x998x332STmm 1.38x2.36x39.29x13.07ST"	35x60x998x332STmm 1.38x2.36x39.29x13.07ST"



Front Loader

The Kioti KL140 and KL150 front loader are specially designed for the EX series tractors providing efficient performance with single joystick control. The Kioti loader is designed for quick and easy attachment/detachment.



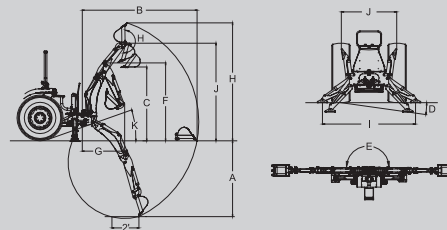
Backhoe Specifications

Backhoe Model	KB2465	KB2475	KB2485
A. Digging Depth (two foot flat bottom)	1940mm(76.3")	2280mm(89.7")	2400mm(94.4")
B. Reach from center line of Swing Pivot	2875mm(113.1")	3180mm(125.1")	3460mm(136.1")
C. Loading Height (bucket at 60°)	1615mm(63.6")	1840mm(72.4")	2040mm(80.3")
D. Maximum Leveling Angle	10°	10°	10°
E. Swing Arc	180°	180°	180°
F. Transport Height (maximum)	1960mm(77.2")	2120mm(83.5")	2360mm(92.9")
G. Transport Overhang	1105(43.5")	1245mm(49.0")	1280mm(50.4")
H. Bucket Rotation	180°	180°	180°
I. Stabilizer Spread (down position)	1745mm(68.7")	1745mm(68.7")	1745mm(68.7")
J. Stabilizer Spread (up position)	1180mm(46.4")	1180mm(46.4")	1180mm(46.4")
K. Angle of Departure	21°	21°	21°
Shipping Weight - Backhoe (without bucket)	470 kg(1,036 lbs)	485 kg(1,069 lbs)	500 kg(1,102 lbs)
Bucket Digging Force	1278 kg(2817.5 lbs)	1278 kg(2817.5 lbs)	1700 kg(3,748 lbs)
Dipperstick Digging Force	793 kg(1,748 lbs)	955 kg(2,105 lbs)	1000 kg(2,205 lbs)
Operating Pressure	170 bar(2,466 psi)	170 bar(2,466 psi)	170 bar(2,466 psi)

Cylinder	Bore DIA			Retracted Length			Stroke			Rod DIA		
	KB2465	KB2475	KB2485	KB2465	KB2475	KB2485	KB2465	KB2475	KB2485	KB2465	KB2475	KB2485
Boom	2.75	2.75	2.75	23.07	24.41	25.04	15.12	15.12	15.20	1.57	1.57	1.57
Bucket	2.36	2.36	2.36	21.06	21.06	24.80	11.77	11.77	15.55	1.38	1.38	1.38
Dipperstick	2.36	2.75	2.75	20.63	23.50	27.87	11.93	14.84	19.88	1.38	1.57	1.57
Swing	2.36	2.36	2.36	15.67	15.67	15.67	8.78	8.78	8.78	1.38	1.38	1.38
Stabilizer	2.36	2.36	2.36	17.56	17.56	17.56	10.31	10.32	10.31	1.38	1.38	1.38

Bucket	Teeth Q'ty	Struck Capacity	Heaped Capacity	Shipping Weight
9' Bucket	3	0.73 cu. ft.	0.87 cu. ft.	46 lbs
12' Bucket	3	1.01 cu. ft.	1.24 cu. ft.	56 lbs
16' Bucket	3	1.38 cu. ft.	1.76 cu. ft.	64 lbs
18' Bucket	4	1.56 cu. ft.	2.02 cu. ft.	70 lbs
24' Bucket	5	2.11 cu. ft.	2.82 cu. ft.	94 lbs
36' Bucket	6	2.78 cu. ft.	4.00 cu. ft.	114 lbs

Specifications may vary depending on tractor model, tire size and bucket used.



Backhoe

The subframe-mounted KB2465/KB2475 and KB2485 backhoes can be easily attached and detached using locking pins and quick-connect hydraulics. The Backhoe's offset subframe design provides a large approach angle for the easiest trailer loading in its class.



Backhoe Model: KB2465/KB2475/KB2485 Tractor Model: EX35/EX40/EX45/EX50