

# **DKSE SERIES**

## **KIOTI UTILITY TRACTOR**



**KIOTI**  
run ahead of the pack

# It all happens by design

The newly designed hood and fender add distinctive lines to the DKSE Series tractors.



**DKSE Series** 40 hp to 50 hp high-performance utility tractors pack impressive power and smooth handling into one dependable workhorse. Fully-featured, comfortable, and ready for any job that demands a durable utility tractor.

## Contemporary Design

The DK SE cabs from KIOTI feature a sleek design with the premium fit and finish. With a sloping hood and fenders that are integrated into the overall design, the KIOTI DK SE series cab tractors have the look and feel of a fine automobile. Inside the cab, operator safety and comfort are of utmost importance.



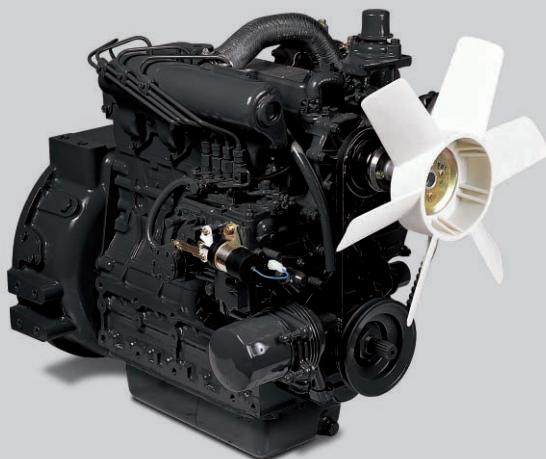
### High Capacity Hydraulic Pump

The tandem hydraulic pump provides high flow for smoother operation and higher efficiency even under the toughest conditions.



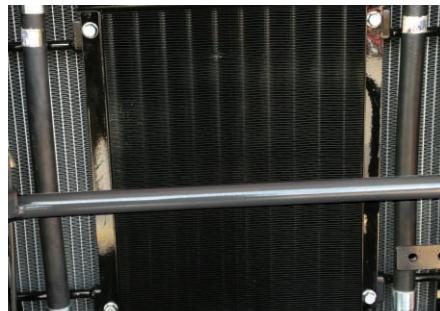
### Hydraulic Filter for HST and Oil Cooler

An additional and separate filter for KIOTI HST transmissions prevents possible contamination from other hydraulic systems and helps to assure full product life. A standard oil cooler for the HST system prevents system oils from overheating under heavy loads and harsh working conditions.



### Environmentally Friendly Engine

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



### Radiator and Fan

A high capacity aluminum radiator and fan prevent engine over-heating even when the engine is operated at low speeds under high heat conditions. The fan design increases air flow to the radiator while minimizing dust intake and noise.



### Air Filter

An air filter cartridge protects the engine from dust and dirt resulting in prolonged engine life. Located conveniently at the front of the engine, servicing of the cartridge is simple.



### Simple Maintenance

KIOTI tractors are designed for easy access and simple maintenance. The hood opens completely exposing the top of the engine. Side panels are easily removed to expose all daily service check areas. KIOTI makes daily fluid level checks easy for the owner/operator, thus assuring longer life and consistently high performance for your tractor.



### Safe Cab

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. Other standard cab features include a radio/CD player as well as rear and side opening windows for ventilation.



*Rugged dependability in the  
SE series tractor*

#### Instrument Panel

All instruments are in full view of the operator. At a glance, the operator can check the engine RPM and temperature, the fuel level, and all other critical engine and tractor functions. The electronic hour meter accurately records the real working hours of the tractor.



#### Comfortable Seat with Suspension

A high quality, fully adjustable, suspension seat assures operator comfort for long hours of work and minimizes operator fatigue. A fully retractable seatbelt assures operator safety.



#### Power Steering

Power steering is standard and minimizes the effort required to make tight and repetitive turns even with a full loader bucket. With the push of a lever, the steering wheel tilts toward the operator while seated and can be moved out of the way when exiting the tractor.



#### HST Pedal

DKSE series Hydrostatic Transmissions (HST) employ a two pedal system for forward and reverse with smooth engagement, acceleration, and deceleration. Pedal pressure is minimized which reduces operator fatigue during long hours of use and when doing repetitive tasks.





### Hydraulic Independent PTO

The rear PTO is standard and is easily engaged by the 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.



### Hydraulic System on 3-point Hitch

Equipped with an adjustable top and lower link, attachment of implements is simple. A telescopic stabilizer and an adjustable lift rod with crank makes implement adjustment easy and precise.

Draft and position is controlled hydraulically with conveniently located operator controls. The speed of the hitch lift is also controlled by a simple load sensing valve.





Loader Model : KL401 Tractor Model : DK40SE/DK45SE/DK50SE

## Front End Loader

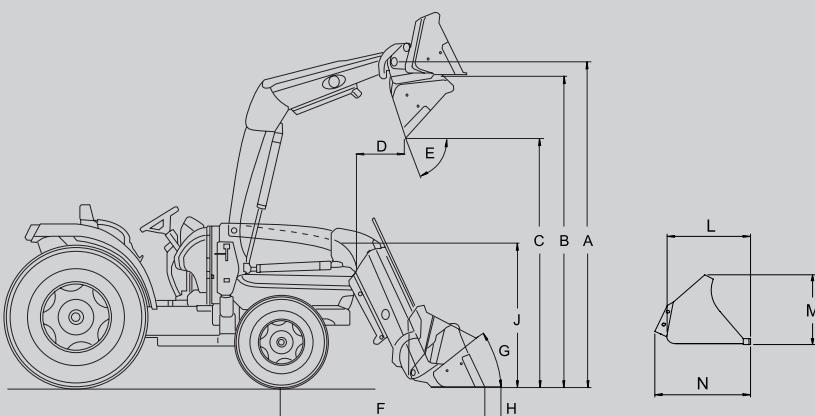
The KIOTI KL401 front loaders are specifically designed for the DKSE series tractors, providing efficient performance with single lever joystick control. The KIOTI loader with quick attach bucket is designed to be easily attached and detached.

## Loader Specifications

Model	KL401
Counter Ballast	1,048lbs (475kg)
A Maximum lift height to pivot pin	107.8 (2,738mm)
B Maximum lift height under level bucket	105.5 (2,680mm)
C Clearance with bucket dumped	79.9 (2,029mm)
D Reach at maximum lift height	16.1 (409mm)
E Maximum dump angle	73 °
F Reach with bucket on ground	73.6 (1,869mm)
G Maximum rollback angle	30 °
H Digging depth	-6.7 (-170mm)
J Overall height in carry position	52.7 (1,339mm)
L Depth (Horizontal distance)	20.7 (526mm)
M Height (Overall vertical height)	22.6 (574mm)
N Length (Horizontal distance)	25.9 (658mm)
Lift capacity to maximum height at pivot pin	2,761lbs (1,252kg)
Breakout force at pivot pin	3,727lbs (1,691kg)
Bucket rollback force at ground line	4,633lbs (2,101kg)
Relief valve setting (Loader control valve)	176 bar (2,556psi)
Rated flow (Tractor hyd. system)	10 gpm (38l/min)
Attachment (Bucket size)	72 (1,829mm) (QA)

Items	1,500 / 2,000 / 2,600rpm
Raise boom	7.6 / 5.7 / 4.5
Lower boom	4.9 / 4.8 / 4.7
Dump bucket	2.2 / 1.9 / 1.5
Retract bucket	2.3 / 2.2 / 2.1
Loader model	KL401

Specifications and design are subject to change without notice.





Backhoe Model : KB2485 Tractor Model : DK40SE/DK45SE/DK50SE

## Backhoe

The subframe-mounted 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 Specifications

### KB2485

A	Digging Depth (two foot flat bottom)	94.4" (2,400 mm)
B	Reach from center line of Swing Pivot	136.1" (3,460mm)
C	Loading Height (bucket at 60°)	80.3" (2,040mm)
D	Maximum Leveling Angle	10°
E	Swing Arc	180°
F	Transport Height (maximum)	92.9" (2,360mm)
G	Transport Overhang	50.4" (1,280mm)
H	Bucket Rotation	180°
I	Stabilizer Spread (down position)	68.7" (1,745mm)
J	Stabilizer Spread (up position)	46.4" (1,180mm)
K	Angle of Departure	21°
	Shipping Weight (without bucket)	1,102lbs (500Kg)
	Bucket Digging Force	3,748lbs (1700Kg)
	Dipperstick Digging Force	2,205lbs (1000Kg)
	Operating Pressure	2,466psi (170bar)

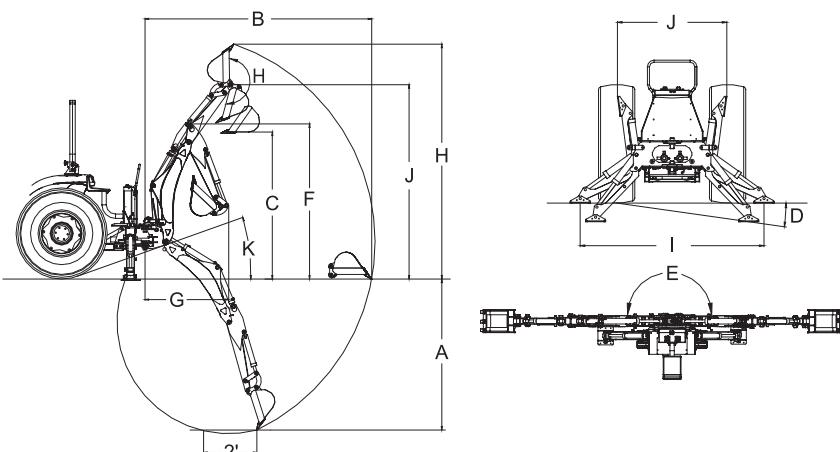
### Cylinders

Cylinder	Bore DIA inch(mm)	Retracted Length inch(mm)	Stroke inch(mm)	Rod DIA inch(mm)
Boom	2.75 (70)	25.04 (636)	15.20 (386)	1.57 (40)
Bucket	2.36 (60)	24.80 (630)	15.55 (395)	1.38 (35)
Dipperstick	2.75 (70)	27.87 (708)	19.88 (505)	1.57 (40)
Swing	2.36 (60)	15.67 (398)	8.78 (223)	1.38 (35)
Stabilizer	2.36 (60)	17.56 (446)	10.31 (262)	1.38 (35)

### Buckets

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 and design are subject to change without notice.



# Specifications



ISO 9001  
NO:954596



ISO 14001  
NO:771475



OHSAS 18001  
NO:K033008

MODEL	DK40SE	DK40SE HST(C)	DK45SE(C)	DK45SE HST(C)	DK50SE	DK50SE HST(C)
<b>ENGINE</b>						
Model	4A200LWM	4A200LWH	4A220LWM	4A220LWH	4B243LWM	4B243LWH
Type	4Cyl., In-line Vertical, Water-cooled 4-cycle diesel engine					
Engine gross	HP(KW)	41(30.5)		45(33.6)		49(36.6)
PTO	HP(KW)	34(25.3)	32.5(24.2)	38 (28.3)	36(26.8)	41.7(30.7)
PTO (Cab)		N/A	32.5 (24.2)	38 (28.3)	36(26.8)	N/A
Displacement	cu.in.(cc)	121.98(1,999)		134.06(2,197)		148.59(2,435)
Rated revolution	rpm	2,600		2,600		2,600
Fuel tank capacity	u.s.gal(l)	11.9(45)		11.9(45)		11.9(45)
<b>DRIVE TRAIN</b>						
Clutch	Dry single stage	None	Dry single stage	None	Dry single stage	None
Transmission	Synchro shuttle	Hydrostatic Drive	Synchro shuttle	Hydrostatic Drive	Synchro shuttle	Hydrostatic Drive
Speeds	F12/R12	3 Range HST	F12/R12	3 Range HST	F12/R12	3 Range HST
Differential lock	Standard		Standard		Standard	
Brake	Wet Disc		Wet Disc		Wet Disc	
PTO	Hydraulic, Independent		Hydraulic, Independent		Hydraulic, Independent	
Rear PTO (Standard)	rpm	540		540		540
Mid PTO (Option)	rpm	(2,000)		(2,000)		(2,000)
<b>HYDRAULIC SYSTEM</b>						
Pump	Gear(Tandem)		Gear(Tandem)		Gear(Tandem)	
Pump capacity (Max. flow rate) ⇒ Pump capacity (rpm)	gpm(l /min)	16.8(63.9)		16.8(63.9)		16.8(63.9)
3-point hitch	Cat. I		Cat. I		Cat. I	
Maximum Lifting Capacity at 24° aft of hitch	lbs.(kg)	2,493(1,131)		2,493(1,131)		2,493(1,131)
Hydraulic lift control system	Position, Draft, Mixed control		Position, Draft, Mixed control		Position, Draft, Mixed control	
Steering	Hydrostatic Power Steering		Hydrostatic Power Steering		Hydrostatic Power Steering	
<b>TIRE SIZE</b>						
Front AG. (TURF, INDUSTRIAL)		8-16/6(29x12.5-15/4, 10x16.5/6)		8-16/6(29x12.5-15/4, 10x16.5/6)		8-16/6(29x12.5-15/4, 10x16.5/6)
Rear AG. (TURF, INDUSTRIAL)		13.6-24/6(21.5L-16.1/4, 14.9x24/8)		13.6-24/6(21.5L-16.1/4, 14.9x24/8)		13.6-24/6(21.5L-16.1/4, 14.9x24/8)
<b>TRAVELING SPEEDS</b>						
Forward at Rated Engine RPM	mph(km/h)	0.9-15.7(1.5-25.3)	0-15.6(0-25.1)	0.9-15.7(1.5-25.3)	0-15.6(0-25.1)	0.9-15.7(1.5-25.3)
Reverse at Rated Engine RPM	mph(km/h)	0.9-14.8(1.4-23.8)	0-10.9(0-17.6)	0.9-14.8(1.4-23.8)	0-10.9(0-17.6)	0.9-14.8(1.4-23.8)
<b>DIMENSIONS</b>						
Overall length (includes 3-pt hitch)	in.(mm)	134.2(3,410)		134.2(3,410)		134.2(3,410)
Overall width (minimum tread)	in.(mm)	63.9(1,625)		63.9(1,625)		63.9(1,625)
Overall height (from top of ROPS)	in.(mm)	95.0(2,415)		96.2(2,443)		95.0(2,415)
Overall height (from top of Cabin)	in.(mm)	N/A	96.3(2,445)	97.8(2,485)	97.8(2,485)	N/A
Wheelbase	in.(mm)	74.0(1,880)		74.0(1,880)		74.0(1,880)
Min. ground clearance	in.(mm)	14.7(375)		14.7(375)		14.7(375)
Tread	Front (AG)	in.(mm)	49.1(1,248)	49.1(1,248)	49.1(1,248)	49.1(1,248)
	Rear (AG)	in.(mm)	49.7-58.6(1,262~1,490)	49.7-58.6(1,262-1,490)	49.7-58.6(1,262-1,490)	49.7-58.6(1,262-1,490)
Min. turning radius (with brake)	feet(m)	9.5(2.91)		9.5(2.91)		9.5(2.91)
Weight with ROPS and AG tires	lbs.(kg)	3,924(1,780)	3,847(1,745)	3,950(1,792)	3,924(1,780)	3,968(1,800)
Weight with Cabin and AG tires	lbs.(kg)	N/A	4,299(1,590)	4,396(1,994)	4,365(1,980)	N/A

Specifications and design are subject to change without notice.

## Standard Equipment

- Telescopic 3 point Hitch Ends
- Telescopic Stabilizers
- Crank Adjustable Lift Link
- One Lever Joy Stick For Loader Operation
- Foldable ROPS
- Hydrostatic Power Steering
- Rear Differential Lock
- Foot Throttles(Mechanical)
- Removable Drawbar
- Oil Cooler(HST)
- Head Lights/Safety Light
- Tilt Steering Wheel
- Wet Disc Brake
- Adjustable Seat with Seat Belt
- Remote Hyd. Valve (Detent D/V 1 Valve)

## Cabin only Standard Equipment

- Air Conditioner / Heater
- CD Player (with Radio)
- Speaker (2EA, including grill)
- Sunvisor
- Cup Holder (3EA)
- Mobile Phone Holder

## Optional Equipment

- 2nd. Remote Hydraulic Valve
- Rear & Front Weights
- Sunshade (ROPS)
- Mid PTO
- Trailer Electrical Outlet (7 Pin Sockket)

## Available KIOTI Implements

- Front End Loader
- Backhoe
- Mower
- Tiller



### KIOTI Tractor Division

DAEDONG - USA, INC.  
6300 KIOTI Drive, Wendell, NC 27591  
toll free 877-GO-KIOTI • fax 919-374-5001  
web www.KIOTI.com



[www.Facebook.com/KiotiTractor](http://www.Facebook.com/KiotiTractor)

Dealer Imprint Area