

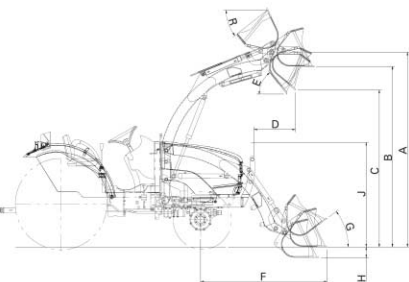
# Front Loader

The KIOTI KL120/130 front loaders are specifically designed for the CK22/27/30/35 tractors, providing efficient performance with single joystick control. The KIOTI loader is designed for quick and easy attachment / detachment.

## Loader Specifications

Loader Model : **KL120** Tractor Model : **CK22**  
 Loader Model : **KL130** Tractor Model : **CK27/30/35**

Model	KL120	KL130
A. Maximum Lift Height	2,236mm	2,350mm
B. Clearance with Attachment Level	2,063mm	2,177mm
C. Clearance with Attachment Dumped	1,756mm	1,870mm
D. Reach at Maximum Height	489mm	452mm
E. Maximum Dump Angle	45°	52°
F. Reach with Attachment on Ground	1,381mm	1,521mm
G. Attachment Rollback Angle	35°	37°
H. Digging Depth Below Grade	73mm	135mm
J. Overall Height in Carry Position	1,160mm	1,260mm
L. Depth of Attachment (to back of inner shell)	450mm	450mm
M. Height of Attachment	470mm	470mm
N. Depth of Attachment (to pivot pin)	507mm	507mm
R. Over Tilt Degree	47°	38°
U. Operating Load	488kg	525kg
Y. Breakout Force	687kg	930kg
Lift Cylinders	ø 30X ø 45mm	ø 30X ø 45mm
Bucket Cylinder	ø 30X ø 45mm	ø 30X ø 45mm
Bucket Width	1,270mm	1,524mm
Bucket Weight	70kg	76kg
Approx. Weight (without Bucket)	225kg	251kg
Bucket Capacity	0.22m <sup>3</sup> (0.16m <sup>3</sup> )	0.27m <sup>3</sup> (0.20m <sup>3</sup> )



## Specifications



MODEL	CK22	CK22 HST	CK27	CK27 HST	CK30	CK30 HST	CK35	CK35 HST
<b>ENGINE</b>								
Model(Tier 4)	3C100A		3A139LWM		3A139LWH		3A150LWH	
Type	3Cyl., In-line Vertical, Water-cooled 4-cycle diesel engine							
Engine gross HP(Kw)	22(16.4)		28(20.9)		30(22.4)		34(25.4)	
PTO HP(Kw)	17.5(12.8)	16.5(12.1)	21.7(16.2)	20.5(15.3)	23(17.2)	22(16.4)	27.6(20.6)	26.5(19.8)
Displacement cc(cu.in.)	1,007(61.45)		1,393(85.0)		1,500(91.5)		1,647(100.5)	
Rated revolution rpm	2800		2600		2600		2600	
Fuel tank capacity ℓ (u.s.gal)	20(5.28)		30(7.9)		30(7.9)		30(7.9)	
<b>DRIVE TRAIN</b>								
Clutch	Dry single		Dry dual		Dry single		Dry dual	
Transmission	Manual	Hydrostatic	Syncho shuttle	Hydrostatic drive	Syncho shuttle	Hydrostatic drive	Syncho shuttle	Hydrostatic drive
Speeds	6F2R	INF. 2	8F8R	INF. 3	8F8R	INF. 3	8F8R	INF. 3
Differential lock	Standard		Standard		Standard		Standard	
Brake	Wet disc type		Wet disc type		Wet disc type		Wet disc type	
PTO	Transmission	Live	Transmission	Live	Transmission	Live	Transmission	Live
Rear PTO rpm	540		540, 1000		540, 1000		540, 1000	
Mid PTO rpm	2000		(2000)		(2000)		(2000)	
<b>HYDRAULIC SYSTEM</b>								
Pump	Gear		Gear(Tandem)		Gear(Tandem)		Gear(Tandem)	
Pump capacity(Max. flow rate) ℓ /min(gpm)	29(7.66)		48.3(12.7)		48.3(12.7)		48.3(12.7)	
3-point hitch	Cat. I		Cat. I		Cat. I		Cat. I	
Maximum lifting capacity(24"aft. of hitch) kg.(lbs.)	503(1109)		800(1764)		800(1764)		800(1764)	
Hydraulic lift control system	position control		position control		position control		position control	
Steering	Hydrostatic Power Steering		Hydrostatic Power Steering		Hydrostatic Power Steering		Hydrostatic Power Steering	
<b>TIRE SIZE</b>								
Front AG.	6-12		6-14		7-14		7-14	
Rear AG.	9.5-16		9.5-24		11.2-24		11.2-24	
<b>TRAVELING SPEEDS</b>								
Forward km/h(mph)	1.10-16.24(0.68-10.09)	0-14.97(0-9.30)	1.49-21.64(0.86-13.45)	0-19.95(0-12.40)	1.50-22.90(0.93-14.22)	0-21.10(13.11)	1.50-22.90(0.93-14.22)	0-21.10(13.11)
Reverse km/h(mph)	1.36-6.31(0.85-3.92)	0-9.37(0-5.82)	1.25-19.07(0.77-11.85)	0-13.3(0-8.26)	1.32-20.18(0.82-12.53)	0-14.0(0-8.69)	1.32-20.18(0.82-12.53)	0-14.0(0-8.69)
Forward at Max. RPM of the Engine km/h(mph)	1.10-17.40(0.68-10.81)	0-16.04(0-9.97)	1.49-23.30(0.86-14.78)	0-21.48(0-13.35)	1.50-24.66(0.93-15.32)	0-22.72(0-14.12)	1.50-24.66(0.93-15.32)	0-22.72(0-14.12)
Reverse at Max. RPM of the Engine km/h(mph)	1.36-6.76(0.85-4.20)	0-10.04(0-6.24)	1.25-20.54(0.77-12.76)	0-14.32(0-8.90)	1.32-21.73(0.82-13.50)	0-15.08(0-9.37)	1.32-21.73(0.82-13.50)	0-15.08(0-9.37)
<b>DIMENSIONS</b>								
Overall length(includes 3-pt hitch) mm(in.)	2684(105.7)		3190(125.6)		3190(125.6)		3190(125.6)	
Overall width(minimum tread) mm(in.)	1121(44.1)		1286(50.6)		1385(54.5)		1385(54.5)	
Overall height(from top of ROPS) mm(in.)	2185(86.0)		2375(93.5)		2390(94.1)		2390(94.1)	
Wheelbase mm(in.)	1470(57.9)		1680(66.1)		1680(66.1)		1680(66.1)	
Min. ground clearance mm(in.)	310(12.2)		328(12.6)		352(13.9)		352(13.9)	
Tread Front mm(in.)	910(35.8)		1105(43.5)		1105(43.5)		1105(43.5)	
Tread Rear mm(in.)	890-935(35.0-36.8)		1062-1294(41.8-51.0)		1102-1302(43.4-51.3)		1102-1302(43.4-51.3)	
Min. turning radius(with brake) m(feet)	2.3(7.5)		2.7(8.9)		2.9(9.5)		2.9(9.5)	
Weight with ROPS kg.(lbs.)	890(1962)	904(1993)	1463(3225)	1443(3181)	1475(3152)	1480(3263)	1475(3152)	1480(3263)

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

### Standard Equipment

- CK22/27/30/35
- 1set of Double acting valve
- 7-Pin Connector
- Rear view mirror
- ROPS with seat belt
- Hydraulic Power Steering
- Adjustable seat
- Emergency stop brake (Manual model)
- Joystick lever with mid mount valve for front loader
- Cruise Control (HST model)
- Safety Start Switch
- Front/Rear PTO
- Bevel Gear Type front Axle
- Rear Differential Lock
- Full 50 Amp Alternator
- Horn
- Emergency Stop
- Headlights

- CK22
- Fixed drawbar
- Mid PTO (HST model)
- CK27/30/35
- Telescopic Sway Bars
- Spring lever-operated Tilt Steering Wheel
- Telescopic 3pt Lift Arms
- Crank-Adjustable Right lift Rod
- 3pt Hitch Speed Control
- Swing drawbar
- Drawing hook

### Optional Equipments

- CK22/27/30/35
- Front weight
- Rear working light
- Agri-tires
- CK22
- Mid PTO(Manual model)
- CK27/30/35
- 2nd set of Double acting valve
- Mid PTO
- Rear wheel weight



**Kioti Tractor/  
 Daedong Industrial. Co., Ltd.**  
 1422-5, Seocho-Dong, Seocho-Ku, Seoul, Korea  
 Tel 82-2-3470-7454-9 • Fax 82-2-3470-7485  
 www.daedong.co.kr

Dealer Imprint Area



## KIOTI COMPACT UTILITY TRACTOR CK22/CK27/CK30/CK35



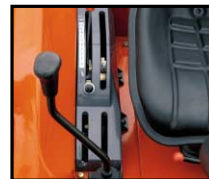


**Environmentally Friendly Engine**

The exceptionally quiet Kioti Diesel engine produces little vibration, and meets or exceeds EPA and CARB regulations. 'Green' engines meet all current and planned emissions legislation.

**Hydrostatic Transmission (HST)**

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



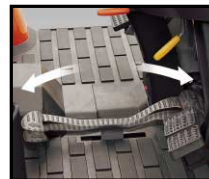
**Single Lever Joystick (Optional on CK22)**

All front loader functions are easily controlled by a single lever joystick comfortably located at the right waist level. When released, the control automatically returns to neutral, leaving the loader in the desired position. A float function allows the bucket free-floatation over the ground surface.



**Power Take-Off (PTO)**

- 540 RPM
- 540/1000 RPM (CK27/30/35)
- Front and rear power take-offs standard
- Mid PTO(CK22H)
- Optional Mid PTO (CK22/27(H)/30(H)/35(H))
- Dual Stage Clutch (CK27/30/35 gear trans)



**Cruise Control**

Cruise control on the HST models can be easily set with a simple sliding hand control. This is a must when spending long hours on the job or when brake assisted turning is required.



**Compact Design**

Continuing the distinctive new design introduced on our CK22 models, the sloped hood offers greater frontal visibility, and a front plastic mud guard keeps the flat operator platform clean.



**Spring Lever Operated Tilt Steering Wheel. (CK27/30/35)**

A simple pull of the lever lets you adjust the wheel to your comfort.



**Simple Maintenance**

Kioti tractors are especially designed for easy maintenance. Liftable hoods and removable side panels allow easy access for daily service checks. Kioti makes it easy to maintain your tractor for long life and high performance.



**3 Point Hitch**

The Category 1, 3 point hitch features (CK27/30/35):

- Telescoping Lift Arms-Makes implement hook-up easier.
- Telescoping Right and Left Sway Bars-For more accurate positioning of implements.
- Right side, Crank-adjustable lift arm -For more accurate levelling of implement.
- Speed Control-Control drop speed or lock into any position.



**Other Features**

**Hydraulic Pump**

The high-performance hydraulic system on the CK22/27/30/35 provides increased power. Higher oil flow increases the speed of implements and attachments, which reduces your work time.

**Optional Auxiliary Hydraulics**

One optional set of hydraulic remote with quick-connects will allow operation of a wide variety of hydraulically-actuated, and hydraulically-driven implements.

**Power Steering**

Responsive, powerful and comfortable steering reduces operator fatigue. The power steering system is robustly designed for maneuvering in soft soil and for front loader operation.

**Illuminated Instrument Panel**

The driver-friendly instrument panel is ergonomically designed for easy viewing and quick reading, day or night.

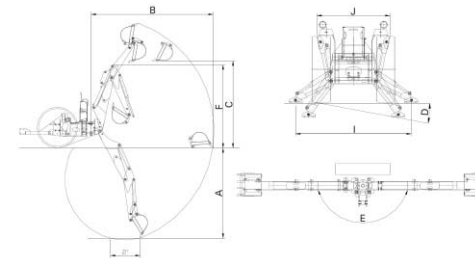
- Fuel gauge
- Digital Hour Meter
- Electric Tachometer
- Coolant Temperature
- Engine Oil Pressure Light
- High Beam, Emergency Flashers, turn indicators
- Glow Plug Light
- Alternator Light
- Parking Brake Light

**Backhoe**

The subframe-mounted KB2365 and KB2375 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**

Backhoe Model : KB2465 Tractor Model : CK22  
Backhoe Model: KB2465 & 2475 Tractor Model : CK27/30/35



Model	KB2465	KB2475
A. Digging Depth (two foot flat bottom)	1,940mm	2,280mm
B. Reach from center line of Swing Pivot	2,680mm	2,950mm
C. Loading Height (bucket at 60°)	1,615mm	1,840mm
D. Maximum Leveling Angle	10°	10°
E. Swing Arc	180°	180°
F. Transport Height (maximum)	1,856mm	2,030mm
G. Transport Overhang	1,105mm	1,160mm
H. Bucket Rotation	180°	180°
I. Stabilizer Spread (down position)	1,950mm	1,950mm
J. Stabilizer Spread (up position)	1,250mm	1,250mm
K. Angle of Departure	21°	21°
Shipping Weight - Backhoe	357kg	390kg
Bucket Digging Force	1305kg	1215kg
Dipperstick Digging Force	793kg	955kg
Operating Pressure	170bar	170bar

**Cylinders**

Cylinder	Piston DIA	Rod DIA	Stroke
Boom	2.75"	1.5"	16.73"
Bucket	2.25"	1.375"	16.81"
Dipperstick	2.25"	1.375"	16.81"
Swing	2.25"	1.375"	9"
Stabilizer	2.25"	1.375"	10.31"

**Buckets**

Bucket	Teeth Qty	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" Muck Bucket	6	2.78 cu. ft.	4.00 cu. ft.	114 lbs.

