

Kubota®



KUBOTA ZERO TAIL SWING COMPACT EXCAVATOR

U

U25 SUPER SERIES

With the maneuverability and performance you need for those hard-to-reach digging jobs.



T4
TIER

The agility to get into the tightest spots and the performance to work its way out.

When the list of features starts with zero tail swing, includes strong bucket breakout force, and an advanced digital information panel, you know this excavator has what it takes to do the job. When larger machines won't fit, the U25S can get in, get the job done, and get back out again with superior speed and maximum efficiency.

U25S





Zero-Tail Swing

Tough job got you in a corner? Put a U25S to work on it. Zero-tail swing keeps the tail within the width of the tracks, so you can turn the house throughout its 360-degree turning radius without worrying about what is to the side or behind you. Zero-tail swing also ensures excellent balance, stability and fast operation, making the U25S ideal for jobs in congested urban areas.



Clean-running Kubota Engine

Complies with Tier IV!

Powerful and dependable, the U25S's diesel engine delivers superior horsepower and performance. It offers low noise and vibration levels, exceptional fuel efficiency, and complies with the EPA's 2008 Tier IV emissions regulations.



T4
TIER

Digital panel

Kubota's Intelligent Control System can help reduce downtime and repair fees by providing timely diagnostic readings and routine maintenance alerts. The large digital panel displays current operating conditions, such as fuel level, engine rpm, temperature, and hour meter, and also warning indicators such as low fuel, oil pressure and battery. The panel not only lets you know when fuel is running low, but alerts you during refueling when the tank is nearly full.



Language selection display Maintenance alerts Low fuel display

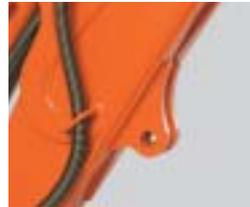
Fuel overflow prevention

The U25S's fuel system warns you when the tank is nearly full. To begin refueling, turn the ignition key to the OFF position and press any of the buttons on the digital panel. The system will begin beeping. When the tank is nearly full, the interval between the beeps will become shorter.



Thumb bracket

The optional hydraulic thumb allows you to handle a variety of loading and digging jobs without stopping to change implements. It works with the bucket to pinch materials for loading and carrying. When no longer needed, it retracts to permit normal excavation. The U25S's factory-installed thumb bracket and auxiliary hydraulics significantly reduce the time needed to mount the hydraulic thumb.



Working range

The U25S's large bucket capacity, excellent reach and digging depth, give it the ability to perform a wide range of digging jobs with maximum efficiency and speed.

Lifting capacity

Powerful and responsive, the U25S's front working group provides superior lifting capacity for digging, lifting, and loading. Even when working to the side, using hydraulic attachments, or lifting heavy objects, the U25S has excellent stability, thanks to its innovative counter balancing technology, long tumbler distance, and Double Outer Flanged Lower Track Rollers.



Strong bucket breakout force

The U25S offers a powerful breakout force: 4,850 lbs with the dedicated bucket and quick coupler. That's more than enough to keep the U25S working efficiently even under heavy loads on tough excavating jobs.



2-speed travel switch

Changing speeds while dozing is now as easy as pressing a switch on the dozer lever. This 2-speed travel switch offers enhanced control and greater comfort while freeing up space on the floor.

ROPS/FOPS canopy

The U25S's ROPS/FOPS canopy provides complete protection from accidental rollovers and falling objects. The ROPS/FOPS canopies meets the applicable, ISO, SAE, and OSHA standards to ensure an extra level of safety and security on the job.

Wrist rests

Adjustable wrist rests help reduce arm movement and increase operator comfort.



Suspension seat

Equipped with wrist rests, the U25S's deluxe seat reduces fatigue and increases productivity by providing optimum comfort for operators of all sizes.

Wider foot area

More legroom means more operator comfort. And that means less operator fatigue and greater job efficiency.



Two-pattern Selection System (TPSS)

With a quick flick of a switch, the U25S changes from an ISO to an SAE operating pattern or back again. No tools are needed, and you don't have to leave your seat.





DURABILITY / MAINTENANCE / SAFETY

Protected bucket cylinder hoses

Routing the bucket cylinder hoses within the arm not only provides greater protection, it also improves operator visibility, increases hose service life, and lowers repair costs.



Auxiliary hydraulic system

Designed to accommodate a variety of attachments, such as breakers and augers, the U25S's auxiliary hydraulic system consists of port pipes on the arm, bi-directional auxiliary hydraulic controls, and a control valve. The auxiliary hydraulic connections are located within easy reach and incorporate short hoses that are less likely to become tangled or damaged.

Front pin bushings

Pin bushings are installed at all of the pivot points along the swing bracket, boom, arm, and bucket. Pin type bushings not only last longer, they are easier to replace when necessary.



Well protected front attachment hoses

To protect the front hoses from accidental damage, they are routed through the swing bracket. A metal cover plate at the back of the boom protects the operator should hose damage occur.



Upper track roller

Permanently lubricated upper track rollers, prevent the tracks from hitting the frame while the machine is moving, reducing both noise and wear.



Maintenance

Wide-opening covers provide fast and easy access to all critical engine components. The control valves are located under the deck. Two-piece hose connections for the dozer and boom cylinders simplify hose replacement and reduce downtime.



- 1 Hydraulic oil tank
- 2 Battery
- 3 Fuel tank



- 4 Dual element air cleaner
- 5 Coolant reserve tank
- 6 Fuel filter
- 7 Water separator
- 8 Radiator
- 9 Oil cooler

Safe, controlled starts

When the safety control lever is moved upward, the console moves with it, providing more room for entry and exit. This also disables the pilot and travel controls, preventing unexpected machine movement during entry or exit.

Straight travel

The U25S's Hydraulic Matching System ensures safer loading and off-loading by keeping the U25S traveling in a straight line while operating the boom.

Swivel negative brake

Whenever the engine is stopped or the safety control lever is raised, the swivel negative brake automatically locks the house in its current position, thus eliminating the need for a swivel transport lock pin.

U25S OPTIONS

● Buckets ● Spark arrest muffler ● Travel alarm

● Canopy lights

● Hydraulic thumb

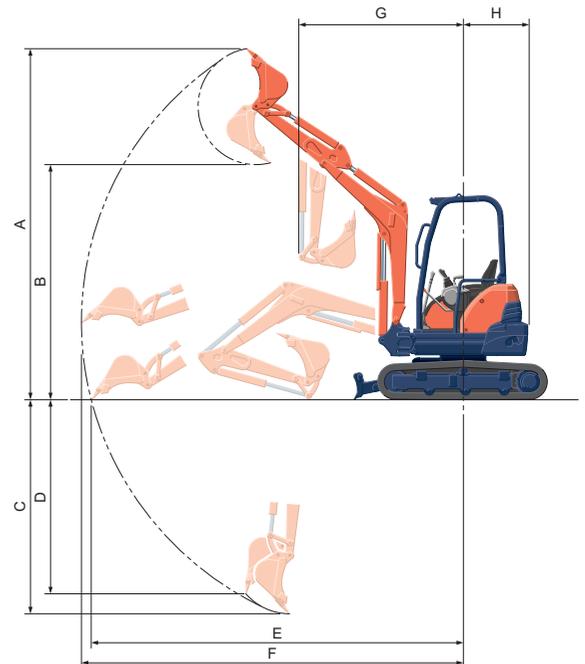
● Quick coupler

● Hydraulic hammer



WORKING RANGE

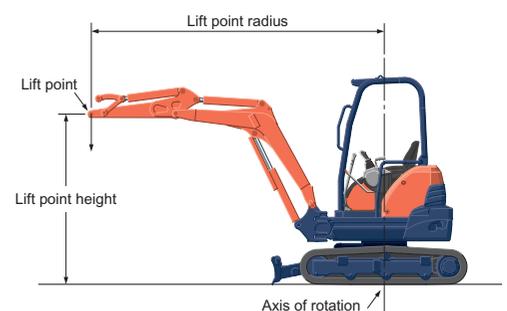
Model			U25S	
A	Max. digging height	ft. in. (mm)	14'10" (4530)	
B	Max. dumping height	ft. in. (mm)	10'6" (3210)	
C	Max. digging depth	ft. in. (mm)	9'3" (2810)	
D	Max. vertical digging depth	ft. in. (mm)	8'6" (2580)	
E	Max. digging radius at ground	ft. in. (mm)	15'4" (4670)	
F	Max. digging radius	ft. in. (mm)	15'8" (4770)	
G	Min. turning radius	W/o swing	ft. in. (mm)	6'3" (1900)
		With swing	ft. in. (mm)	4'8" (1420)
H	Min. tail turning radius	ft. in. (mm)	2'6" (760)	



LIFTING CAPACITY

LIFT POINT HEIGHT (ft)	LIFTING CAPACITY OVER-FRONT BLADE DOWN unit=1000lbs				LIFTING CAPACITY OVER-SIDE unit=1000lbs		
	LIFT POINT RADIUS (ft)				LIFT POINT RADIUS (ft)		
	8	12	MAX	8	12	MAX	
6	1.23	1.12	1.05	1.23	0.96	0.72	
4	1.66	1.31	1.13	1.30	0.93	0.70	
2	2.05	1.49	1.21	1.24	0.90	0.69	
GL	2.22	1.59	1.24	1.21	0.88	0.68	

Machine with ROPS canopy and rubber crawler, without bucket

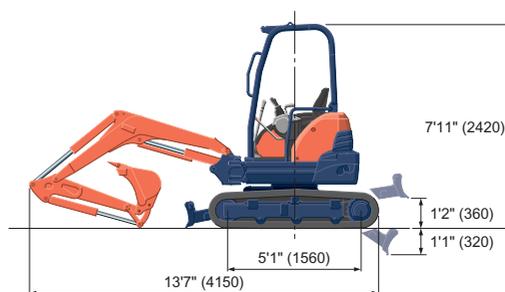
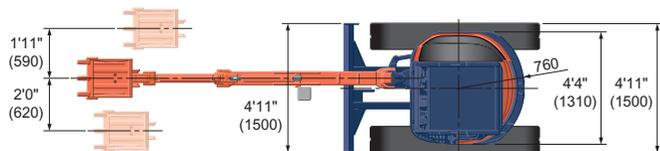


SPECIFICATIONS

Model		U25S		
Type of ROPS / FOPS		Canopy		
Type of tracks		Rubber		
Engine	Model	Kubota D1105-E3		
	Output (SAEJ 1995 gross)	HP (kW)/rpm	20.9 (15.6) / 2400	
	Output (SAEJ 1349 net)	HP (kW)/rpm	19.8 (14.8) / 2400	
	Displacement	cu. in. (cc)	68.5 (1123)	
Dimensions	Overall length	ft. in. (mm)	13'7" (4150)	
	Overall height	ft. in. (mm)	7'11" (2420)	
	Overall width	ft. in. (mm)	4'11" (1500)	
	Min. ground clearance	in. (mm)	11.2" (285)	
Hydraulic system	Pump capacity	GPM (ℓ/min)	7.6 (28.8) Piston × 2 / 5.1 (19.2) Gear × 1	
	Auxiliary hydraulic flow	GPM (ℓ/min)	12.7 (48)	
	Max. breakout force	Bucket / Arm	lbs. (kgf)	4850 (2200) / 2745 (1245)
Drive system	Travel speed	mph (km/h)	1.6 (2.5) / 2.9 (4.5)	
	Max. drawbar pull	lbs. (kgf)	6745 (3060)	
	Tumbler distance	ft. in. (mm)	5'1" (1560)	
	Crawler length	ft. in. (mm)	6'7" (2000)	
	Shoe width	in. (mm)	11.8" (300)	
	Ground contact pressure	psi (kgf/cm ²)	3.32 (0.23)	
Swing system	Unit swing speed	rpm	9.8	
	Boom swing angle	Left / Right	degree	75 / 55
Blade	Dimensions	Width	ft. in. (mm)	4'11" (1500)
		Height	in. (mm)	11.8" (300)
	Max. lift above ground	in. (mm)	1'2" (360)	
	Max. drop below ground	in. (mm)	1'1" (320)	
Hydraulic oil (reservoir / system)	gal (ℓ)	5.8 (22) / 9.8 (37)		
Fuel reservoir	gal (ℓ)	7.4 (28)		
Operating weight (Including operator's weight 175 lbs.)	lbs. (kgf)	5625 (2550)		

The company reserves the right to change the above specifications without notice. This brochure is for descriptive purposes only. Please contact your local Kubota dealer for warranty information. For your safety, Kubota strongly recommends the use of a Rollover Protective Structure (ROPS) and seat belt for almost all applications.

DIMENSIONS



Unit: ft. in. (mm)

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