

KUBOTA MINI EXCAVATOR KX016-5 / KX019-5



Engine output (PS):	Machine weight (kg):	Arm length (mm):
KX016-5 : 13.3	KX016-5 : 1,620*	KX016-5 : 950
KX019-5 : 16	KX019-5 : 1,830*	KX019-5 : 1,090*

*Standard cabin model

*Standard arm

Outstanding working capacity combined with a large cabin elevates operational comfort to an entirely new level

Kubota's new mini excavators, the KX016-5 and KX019-5, deliver industry-leading comfort, unparalleled performance, and safety, making them a commanding presence on the job site. The newly designed exterior and interior are built using Kubota's most cutting-edge technologies.



CANOPY Models

The KX016-5 and KX019-5 CANOPY models boast industry-leading comfort and cutting-edge technology.

ge, spacious
w level.

ENHANCED
OPERATOR
COMFORT

ENHANCED
PERFORMANCE

ENHANCED
SAFETY



CAB Models

The KX016-5 and KX019-5 cab models
boast a comfortable interior and excellent
visibility.

KUBOTA MINI EXCAVATOR

KX016-5
KX019-5

PERFORMANCE IN COMFORT

Spacious, class-leading cabin with generous legroom, featuring a color display, jog dial, and keypad switches for easy operation.



COMFORTABLE OPERATOR ENVIRONMENT

The KX016-5 and KX019-5 are designed to maximize operator comfort and productivity throughout the working day. Ergonomically positioned controls enable precise, efficient operation, while the front meter panel is easily visible without diverting attention from the task. A conveniently located mobile phone holder within reach of the operator's seat also provides on-the-go charging for added convenience.

- A.** Meter panel
- B.** USB charger
- C.** Mobile phone holder
- D.** Engine throttle dial
- E.** High flow switch

AMPLE LEGROOM

The latest interior not only optimizes maneuverability but also provides excellent operator comfort and spacious legroom.



CENTRALIZED KEY PAD

Designed for comfort and operability, the compact keypad centralizes all primary switches on the right-hand side for intuitive, easy access.

- A.** Menu switch
- B.** Return switch
- C.** Jog dial and enter switch
- D.** Work light switch
- E.** Rotary beacon switch (option)
- F.** Auto Idle switch
- G.** Overload warning switch (option)
- H.** Front wiper and washer switch [CAB]
- I.** Rear defogger switch [CAB]
- J.** Rear wiper and washer switch [CAB]
- K.** Travel alarm cancel switch (option)



Centralized key pad



LpA:75dB

ADVANCED NOISE REDUCTION

Class-leading noise insulation enhances operator comfort and reduces fatigue. A resin partition between the engine and cab minimizes rear engine noise, while a thicker floor plate reduces sound transmission from below the cab.

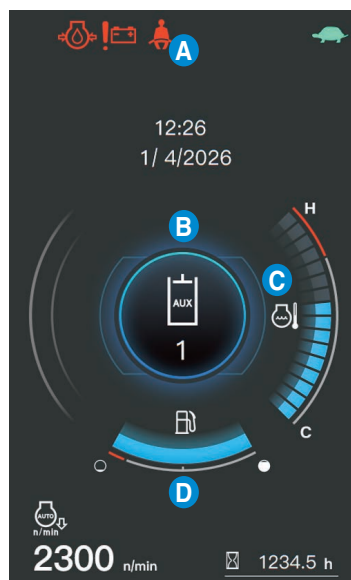
EXPANDED GLASS AREA

A slimmer frame design increases front window glass area by 10%, improving visibility during loading, unloading, and digging operations. Operators benefit from enhanced sightlines to the dozer edges and bucket via the skylight, while the larger glass area also creates a more open and spacious cab environment.

7" FULL-COLOR LCD DISPLAY

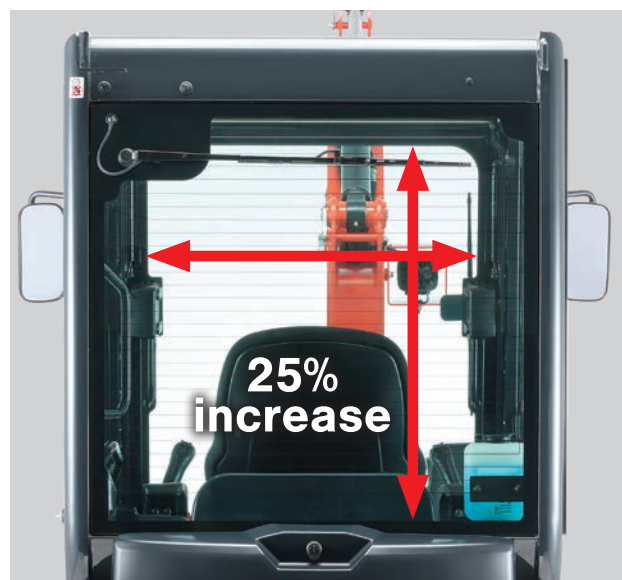
A high-resolution 7" full-color LCD screen provides clear, at-a-glance access to essential machine information. The intuitive interface enables simple navigation and quick access to key functions, including AUX flow adjustment. Maintenance alerts and detailed system diagnostics are also displayed, allowing operators to quickly identify and respond to abnormal conditions.

- A.** Alert indicator
- B.** AUX mode
- C.** Water temperature
- D.** Fuel level



EXPANDED REAR WINDOW AREA

The cab rear window area has been increased by approximately 25% compared to the previous model, significantly improving rearward visibility for safer and more efficient operation.



HIGH PERFORMANCE

Overall operability has been improved, while Hi-Flow models benefit from increased AUX1 flow rates, enabling greater attachment performance and a wider operating range.



BOOST MODE FOR THE MAXIMUM OIL FLOW FOR AUX1

(Available on AUX1/2 high-flow specification only.)

By increasing the maximum oil flow of AUX1, the KX019 delivers attachment performance that rivals larger-class machines.



High flow switch

AUX FLOW RATE CAN BE ADJUSTED BY HAND CONTROLS

Proportional flow is controlled by a convenient thumb-operated switch. Applications requiring a constant oil flow can be controlled from a forefinger-operated on/off switch.



AUX1 FOOT & HAND CONTROL, AUX1 AND AUX2 HAND CONTROL

The unit can be operated with either the foot or hand, meeting a wide range of needs. Proportional flow control is also possible with the manual operation model.

Model	KX016-5	KX019-5
AUX1 Foot (Pedal)	●	●
AUX1 Hand	●	●
AUX1, 2 Hand	●	●
AUX1, 2 Hand Hi-flow	—	● (NEW)

ENHANCED TRAVELLING PERFORMANCE

The arm, bucket, boom and AUX can be operated without affecting traveling performance, thanks to the travel-independent hydraulic circuit.

AUTO IDLING SYSTEM

Save fuel, lower noise and exhaust emissions, and reduce operating costs with Kubota's Auto Idling system. When the control levers are in neutral for more than 4 seconds, the engine RPM automatically idles. Move any control lever and the engine RPM immediately returns.



AUTO-SHIFT

The auto-shift system enables automatic travel shift from high to low depending on traction effort and terrain. This gives smoother operations when dozing and turning.

990 mm [KX016-5 / KX019-5]

1240 mm [KX016-5], 1300 mm [KX019-5]

VARIABLE TRACK GAUGE

The KX016-5/KX019-5's track gauge can be expanded to enhance stability when using heavy attachments—up to 1,240 mm on the KX016-5 and 1,300 mm on the KX019-5—for improved side stability. It can also be retracted to 990 mm for easier movement through narrow passageways and to enable work in tight spaces.



SAFETY / SECURITY

The KX016-5/KX019-5 combines advanced safety features with robust security, ensuring complete peace of mind on every job.

LED BOOM WORK LIGHT AS STANDARD

Bright LED boom work light provides plenty of illumination for nighttime tasks.



GREEN BEACON READY

Both the KX016-5 and KX019-5 are equipped with all the parts—seatbelt sensor, harness and beacon light switch—needed to install a green beacon light to verify remotely that the operator's seatbelt is fastened.

CONTROL LOCK LEVER

Isolating the hydraulic circuit, all operations including the swing, dozer, and AUX can now be locked with the control lock lever.



ENGINE EMERGENCY STOP

In an emergency, the operator can stop the engine with the flip of a single switch.



LED WORKING LIGHTS

The LED work light can be programmed to turn off 30 seconds to 2 minutes after the engine has stopped. This allows the operator to exit the machine and walk away safely under full illumination.



REAR WIPER WASHER, HEATED GLASS

The rear wiper and washer can be operated via a switch, and the rear window of the cab is made of electrically heated glass to prevent fogging.



SEAT BELT ALARM AND HIGH-VISIBILITY SEAT BELT

The bright orange seat belt visually reminds operators to fasten it before turning on the engine. Should the operator forget, a warning function will prompt the operator to fasten it.



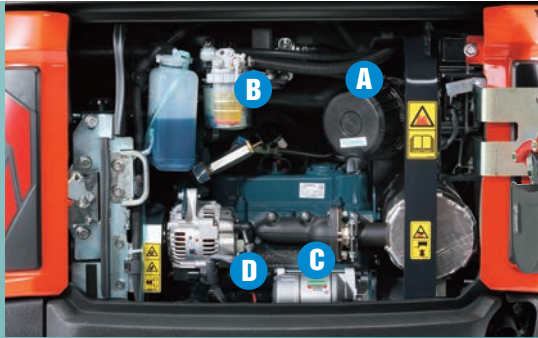
TIE DOWN POINTS

Four tie down points are fitted to the upper structure for safer and easier transportation.



SERVICE

Easy access to all major components simplifies inspection and repairs.



EASY MAINTENANCE

Simplified maintenance design reduces downtime and improves operational efficiency. The KX016-5 and KX019-5 feature tool-free access via the rear bonnet and left-side cover, enabling rapid inspection of critical components including the engine oil dipstick, water separator, radiator, and battery. Steel bonnet construction provides enhanced structural durability while facilitating straightforward repair and replacement.



- A. Air cleaner
- B. Water separator
- C. Starter motor
- D. Oil dipstick
- E. Grease gun holder



GREASE GUN HOLDER

A dedicated grease gun holder is integrated into the box, providing quick and easy access during maintenance operations.



BOOM CYLINDER

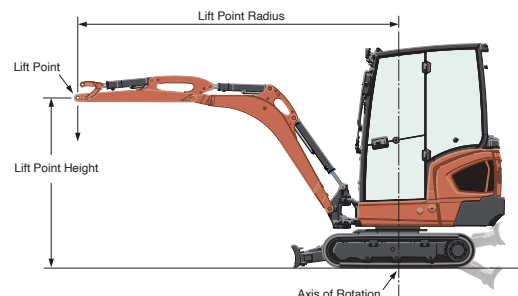
The boom cylinder is positioned above the boom to maximize protection, particularly during breaker and dumping operations. Optimized attachment speeds and lifting performance are achieved through the cylinder's large-diameter rod and carefully tuned hydraulic pressure.



PROTECTED MOTOR HOSES

Kubota has enclosed the travel motor hoses within the track frame for added protection—a unique feature for mini excavators of this class.





Specifications

Model		KX016-5		KX019-5	
		Canopy	Cabin	Canopy	Cabin
Machine weight*1 (short / standard)	kg	1,555	1,620	1,695 / 1,710	1,815 / 1,830
Operating weight*2 (short / standard)	kg	1,630	1,695	1,770 / 1,785	1,890 / 1,905
Bucket capacity std. SAE / CECE	m³	0.036 / 0.031		0.041 / 0.035	
Bucket width (without teeth)	mm	400		450	
Engine					
Manufacturer		KUBOTA			
Model		D782-E3-BH-4EU		D902-E4-BH-7EU	
Type		Water-cooled diesel engine			
Emission standard		EU Stage V			
Output (ISO 14396:2002)*3	PS (kW) / rpm	13.3 (9.8) / 2300		16 (11.8) / 2300	
Number of cylinders		3			
Bore × Stroke	mm	67 × 73.6		72 × 73.6	
Displacement	cc	778		898	
Fuel*4		Diesel fuel conforming to EN 590 / HVO conforming to EN 15940			
Dimensions					
Overall length (short / standard)	mm	3,710		3,740 / 3,860	
Overall height	mm	2,350	2,320	2,350	2,320
Swivelling speed	rpm	9.3		9.2	
Rubber shoe width	mm	230			
Tumbler distance	mm	1,080		1,220	
Dozer size (width x height)	mm	990 / 1,240 × 225		990 / 1,300 × 225	
Hydraulic pumps					
P1, P2		Variable displacement pump			
P3		Gear pump			
P4		Pilot			
Max. digging force (arm / bucket)	kN	7.3 / 12.7		7.8 / 15.9	
Boom swing angle	deg	74 / 58			
Auxiliary circuit (AUX1)					
Flow rate	ℓ/min	27		27.7 (45 for High Flow model)	
Hydraulic pressure	MPa	20.6		21.6	
Auxiliary circuit (AUX2)					
Flow rate	ℓ/min			10.4	
Hydraulic pressure	MPa	20.1		20.6	
Hydraulic reservoir (tank)	ℓ	14.4			
Fuel tank capacity	ℓ	21.5			
Max. travelling speed (low / high)	km/h	2.1 / 4.0		2.2 / 4.2	
Ground contact pressure (short / standard)	kPa (kgf / cm²)	29.5 (300)	30.7 (315)	28.8 (295) / 28.6 (290)	30.7 (315) / 30.5 (310)
Ground clearance	mm	145			
Noise level					
LpA / LwA (2000 / 14 / EC)	dB (A)	77 / 93	75 / 93	78 / 93	75 / 93
Vibration*5					
Hand arm system (ISO 5349-2:2001)					
Digging / Levelling	m/s² RMS	1.84 / 2.16			
Driving / Idling	m/s² RMS	0.39 / 0.39			
Whole body (ISO 2631-1:1997)					
Digging / Levelling	m/s² RMS	<0.5 / <0.5			
Driving / Idling	m/s² RMS	0.56 / <0.5			

^{*1} With a 34 kg original KUBOTA bucket and the machine in operating condition.

^{*2} With 75 kg operator.

^{*3} With diesel fuel conforming to EN590.

^{*4} Note that HVO has lower density than diesel fuels.

^{*5} These values are measured under specific conditions at maximum engine speed and can deviate, depending on the operating status.

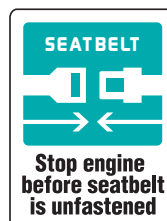


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