Kubota

KUBOTA ZERO-TAIL SWING MINI-EXCAVATOR

U10-3

Ultra-compact. Enhanced operator protection. The efficient and easy-to-use Kubota U10-3 with zero tail swing is the mini-excavator you can count on to get the job done.

Kubota E-TVCS engine

Highly trusted in the compact excavator market, the efficient combustion created by our engine's unique Three Vortex Combustion System reduces exhaust emission, noise and vibration. Its layout also puts most components within easy reach for faster maintenance.

ROPS

For additional protection, a foldable rollover protective structure is standard-equipped on the U10-3. Folding the ROPS down lets you easily transport the mini excavator on lorries, and travel under doorways to work indoors.

Adjustable track gauge

With easy, single-lever operation, the U10-3's hydraulically adjustable track gauge reduces in seconds—down to 750 mm—to enable navigation in narrow spaces. Conversely, you can widen the track gauge all the way out to 990 mm to produce a 7% increase in stability, even while operating with hydraulic breakers.

With the simple removal of one pin, its quick-fold blade adjusts in size instantly.

When adjusted down to 750 mm, the U10-3 can easily fit through most doorways, permitting access inside of buildings.

Safer operation

To greatly reduce the risk of loose hoses from boom-mounted or hand-held attachments catching on nearby objects, the U10-3 has its hydraulic service port smartly located at the end of the boom.

Improved digging arm circuit

Increases the crowd speed, eliminates cavitation, and significantly improves control for fine grading.

Protected hydraulic service port

With the U10-3, you'll never add hydraulic service port pipes again—it comes equipped with them, all the way to the end of the boom. To reduce the risk of damaging the hydraulic piping, the U10-3's pipes are hidden inside the boom.

Hydraulic control system

Fitted with hydraulic servo controls, the U10-3's hydraulic control system means smoother operation, improved feel, and an increase in digging productivity of approximately 8%.

Two-speed travel pedal

This new pedal lets you easily switch between high and low speeds, so you can work at your own pace. Simply depress the pedal for high-speed travel, or release it for low speed. This feature makes travelling between on-site locations more efficient.

Two-piece design dozer hoses

When an on-site replacement of a dozer cylinder supply hose is necessary, its two-piece design simplifies the job.

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Lifting points

To permit access to confined spaces, as well as easy transport, the U10-3 has a three-point lifting feature.

Walk-through operator space

Open at both ends, the U10-3 allows for quick entry or exit from either side.

Fully opening engine cover

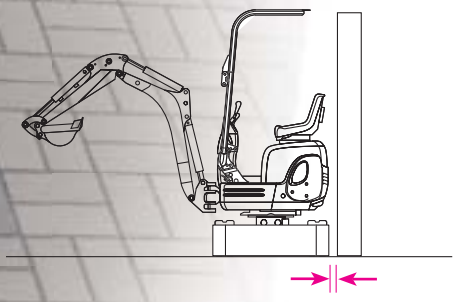
Fast access to most of the engine's components is made possible by the fully opening engine cover.

Protection

Notice the clean, hose-free look of the U10-3's boom? That is because all of its hydraulic hoses are uniquely hidden and protected inside the boom. In addition, the boom cylinder is well protected due to its location at the top of the boom.

Zero tail swing

To operate at the highest level of safety, simply adjust track width to 990 mm. At this width, the rear counterweight will always be within the width of the track frame. This prevents any damage from occurring to the engine cover—allowing the operator to focus more on the job at hand.

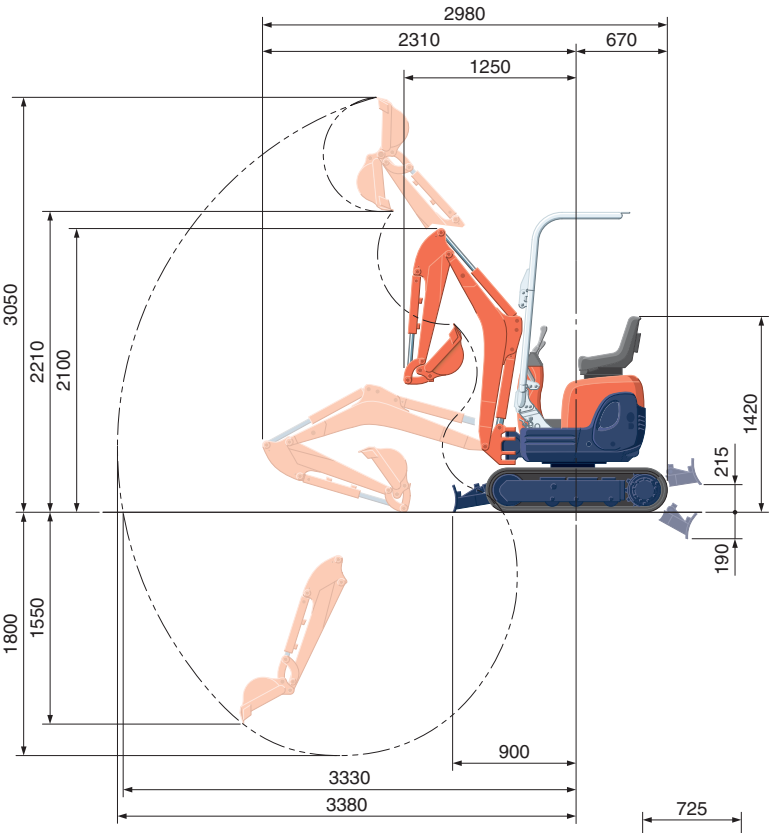


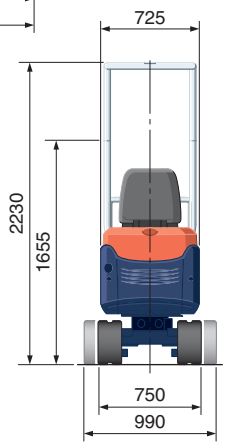
SPECIFICATIONS

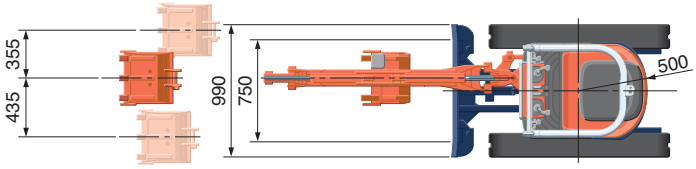
*with rubber shoe type

Machine weight	Rubber crawler		kg	1120
Bucket capacity, std. SAE/CECE			m^3	0.024/0.020
Bucket width	with side teeth		mm	398
	without side teeth		mm	380
Engine	Model			D722-BH-6
	Type			Water-cooled, diesel engine E-TVCS (Economical, ecological type)
	Output ISO90249		PS/rpm	10.2/2050
			kW/rpm	7.4/2050
	Number of cylinders			3
	Bore × stroke		mm	67 × 68
	Displacement		cc	719
Overall length			mm	2980
Overall height			mm	2230
Swivelling speed			rpm	8.3
Rubber shoe width			mm	180
Tumbler distance			mm	1010
Dozer size (width × height)			mm	750/990 × 200
Hydraulic pumps	P1, P2			Gear pump
	Flow rate		ℓ/min	10.5 + 10.5
	Hydraulic pressure		MPa (kgf/cm^2)	17.6 (180)
	P3			Gear pump
	Flow rate		ℓ/min	3.1
	Hydraulic pressure		MPa (kgf/cm^2)	2.9 (30)
Max. digging force	Arm		kN (kgf)	5.4 (550)
	Bucket		kN (kgf)	10.4 (1060)
Boom swing angle (left/right)			deg	55/55
Auxiliary circuit	Flow rate		ℓ/min	21.0
	Hydraulic pressure		MPa (kgf/cm^2)	180
Hydraulic reservoir			ℓ	12.5
Fuel tank capacity			ℓ	12.0
Max. travelling speed (high/low)			km/h	2.0/4.0
Ground contact pressure			kPa (kgf/cm^2)	25.3 (0.26)
Ground clearance			mm	140

WORKING RANGE





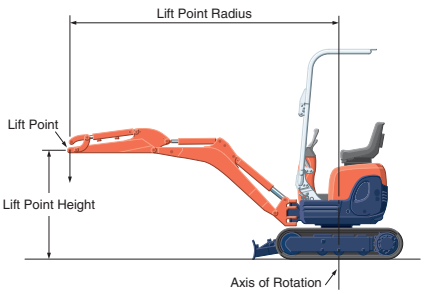


Unit: mm

LIFTING CAPACITY

kN (ton)

Lift Point Height	Lifting point radius (1.5m)			Lifting point radius (2m)			Lifting point radius (2.5m)		
	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side
	Blade Down	Blade Up		Blade Down	Blade Up		Blade Down	Blade Up	
2.0 m	-	-	-	2.1 (0.21)	2.1 (0.21)	1.9 (0.19)	-	-	-
1.0 m	3.6 (0.37)	3.2 (0.33)	2.7 (0.28)	2.7 (0.28)	2.0 (0.21)	1.7 (0.18)	2.2 (0.23)	1.4 (0.15)	1.2 (0.13)
0 m	4.8 (0.49)	2.8 (0.28)	2.3 (0.24)	3.1 (0.32)	1.8 (0.19)	1.6 (0.16)	2.2 (0.23)	1.4 (0.14)	1.1 (0.12)
-1.0 m	3.1 (0.31)	2.8 (0.28)	2.3 (0.24)	2.1 (0.21)	1.8 (0.18)	1.5 (0.16)	-	-	-



Please note:
* The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.
* The excavator bucket, hook, sling and other lifting accessories are not included on this table.

* Working ranges are with Kubota standard bucket, without quick coupler.
*Specifications are subject to change without notice for purpose of improvement.

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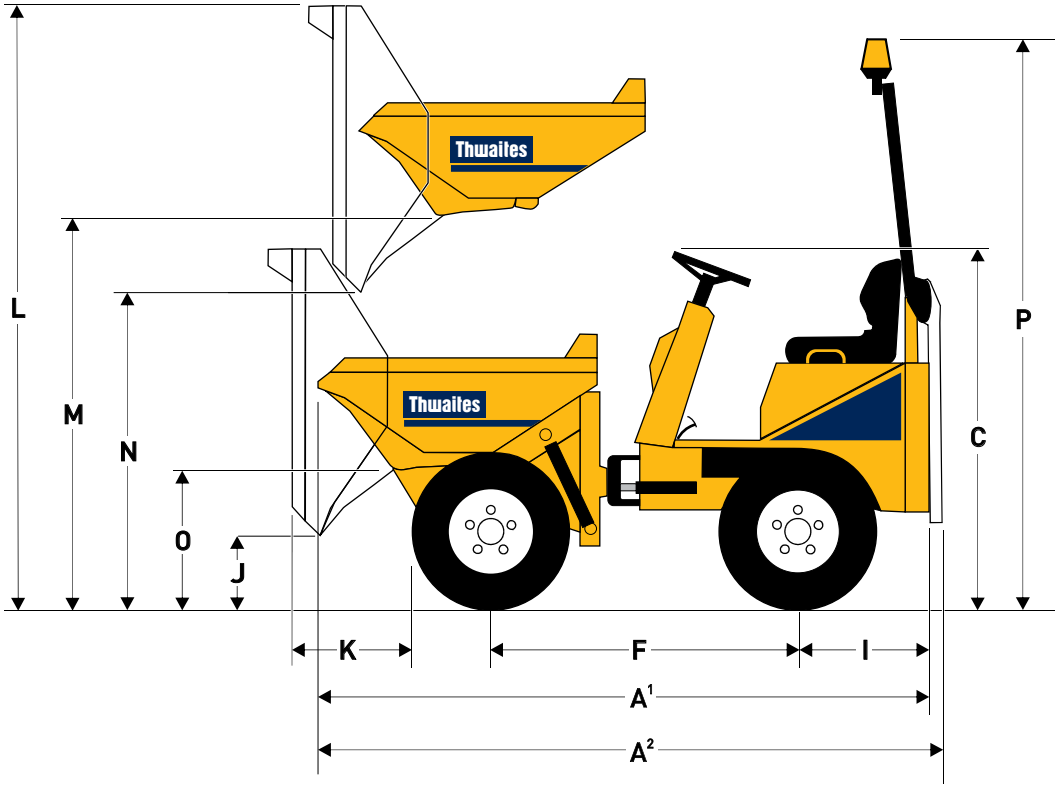
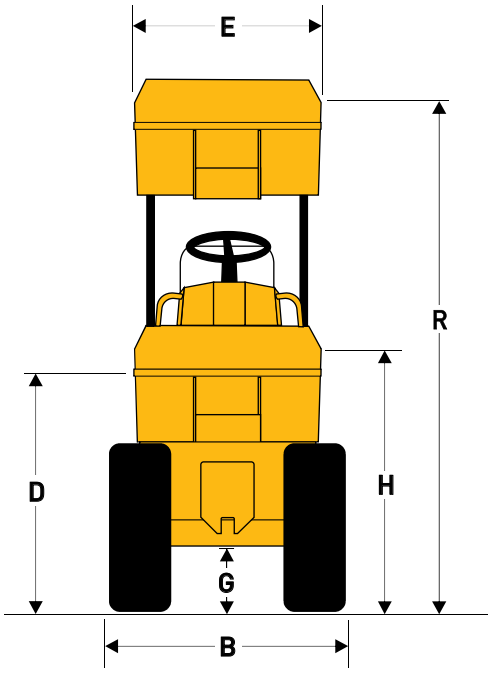
1 Tonne Hi-Tip Hydrostatic

MACH201





Dimensions (mm)	
A^1	3032
A^2	3192
B	1115 (982*)
C	1773
D	1155
E	982
F	1500
G	274
H	1262
I	654
J	346
K	505
L	3005
M	1913
N	1573
O	720
P	2860
R	2370

*with optional narrow wheels

SPECIFICATIONS

1 Tonne Hi-Tip Hydrostatic

MACH201

Capacities	Max safe load	1000 kg
	Heaped	500 litres
	Struck	400 litres
	Water	280 litres

Engine
Yanmar 3TNV76, 15.9 kW/21.4 bhp (nett) @ 2800 rpm, 3-cylinder water-cooled diesel. Max torque 66.4 Nm (49 lb f ft). Electric starting, hour meter, battery isolator switch and heavyduty cyclonic air cleaner positioned within the lockable engine compartment.

Noise Levels
Operator's ear 84 LpA, airborne sound power level 101 LwA (to 2000/14/EC).

Speeds	Forward / reverse	0–12 km/h

Tyres	**Standard**	**Optional**
	10.0/75 x 15.3	7.00 x 12
	8 Ply	6 Ply
	Track grip tread	Track grip tread

Brakes and Axles
Automatic failsafe braking system incorporated into rear drive motors.

Chassis
Front and rear chassis constructed from folded steel plate, with centre-point articulation and oscillation for optimum stability and traction.

Drive System
Hydrostatic with variable displacement pump feeding four wheel motors, incorporating "Twin-Lock" system to maximise traction.

Skip
Hydraulically operated, 3 mm base, 4 mm sides steel plate. Mouth reinforced with box sections giving greater strength to minimise damage, no material traps. Raise and tip control operated by twin control levers.

Seating & Controls
Column-mounted forward/reverse lever with foot pedal speed control. Adjustable suspension seat, accessible from both sides. Audible warning device at key start 'on' position. Super-bright warning lights for all critical functions. Electric horn.

Service Access
Lockable three-sided cover provides easy access from ground level to engine service points.

Electrics
Wiring harness contained within conduits and all electrical components water resistant to IP65/67 standards.

Steering & Hydraulics
Hydraulic power steering. Return line filtration for all services and large capacity suction strainer in the tank to give full circuit protection. Hydraulic test point fitted as standard.

Tank Capacities	Fuel	21 litres
	Hydraulic	20 litres
Shipping Cube	6.3 m³ (with folded ROPS)	
Unladen Weight	1295 kg	
Clearance Diameter	5.45 m	

ROPS/Beacon
A folding ROPS bar and beacon are fitted as standard.

Optional EXtras
Full road lighting equipment. Reverse alarm. UK road equipment. Towing bracket. Sand tyres and narrow tyres.

Distributor

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