

GRAEFER MASCHINEN

HYDRAULIC MINI EXCAVATOR

CX12-6



Engine output (KW):
CX12-5/CX12-6: 10.2

Machine Weight (KG):
CX12-5/CX12-6: 1,200

**Ultra-compact dimensions, enhanced operator protection,
Zero tail swing...everything you need to get the job done.**

There's a lot to like about Kubota's new mini excavators. They're ultra-compact so you easily work in tight spots. They also have an improved control layout, and upgraded comfort features to keep you working efficiently and comfortably. Best of all, you can depend on these hydraulic mini excavators to get the job done with speed and efficiency.



HYDRAULIC MINI EXCAVATOR

CX12-6

KUBOTA STAGE V ENGINE

Highly trusted in the compact industrial machinery market, the efficient combustion created by our engine's unique Three Vortex Combustion System reduces exhaust emission and noise. Its layout also puts most components within easy reach for faster maintenance. Furthermore, it is now fully Stage-V compliant.



SERVICE/SECURITY

Service and security go hand in hand to ensure that your mini excavator is always ready to go to work. Maintenance is simple, thanks to a full-opening engine cover that provides easy access to the engine and conveniently located and protected hydraulic service port pipes. And security? Provided by Kubota's sophisticated anti-theft system, of course.

FULL OPENING ENGINE COVER

The engine cover's tilt-up operation exposes most of the engine—providing easier access to components.



BATTERY ISOLATOR

The Kubota mini excavators are equipped with a battery isolator that helps to protect the entire electrical system from electrical faults.

PROTECTED HYDRAULIC SERVICE PORT PIPES

With the CX12-6, you'll never need to replace the hydraulic service port pipes again. To reduce the risk of damaging the hydraulic piping, the service port pipes are hidden inside the boom, and its service ports are conveniently located at the end of the boom.

TWO-PIECE HOSE DESIGN

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



TWO-PIECE HOSE DESIGN KUBOTA ANTI-THEFT SYSTEM

Only programmed keys will enable the engine to start up. Attempting to start with an un-programmed key will activate the alarm. Its features include an alert to remind the operator to extract the key after operation, and an LED to alert potential thieves that the system is activated.

Optional Accessories



Standard equipment

Model	CX12-5/ CX12-6
Engine/ Fuel system	
Kubota original engine	●
Double-element air cleaner	●
Battery isolator	●
Undercarriage	
180 mm rubber track	●
Variable track	●
Double flange track rollers(piece number on each track)	3 pcs
Hydraulic system	
Pressure accumulator	●
Hydraulic pressure checking ports	●
1st auxiliary circuit (AUX1) via foot pedal control	●
Safety system	
Engine start safety system	●
Kubota original anti-theft system	●
Hydraulic lock system	●
Operating lever lock	

Model	CX12-5/ CX12-6
Working equipment	
1 LED working light on the boom	●
Canopy	
ROPS (Roll-over Protective Structure)	●
Retractable orange seatbelt with alert function	●
Hydraulic pilot control levers with wrist rests	●

Optional equipment

Model	CX-12-5 /CX12-6
Safety system	
Travel alarm	●
Others	
Bio oil	●
Special paint	●
Beacon light	●

Lifting capacity

Lift Point Height	Lifting point radius(1.5 m)			Lifting point radius (2 m)			Lifting point radius (max)		
	Over-front		Over-side	Over-front		Over-side	Over-front		Over-side
	Blade Down	Blade Up		Blade Down	Blade Up		Blade Down	Blade Up	
2.0M	-	-	-	1.8(0.18)	1.8(0.18)	1.6(0.16)	-	-	-
1.0M	3.1(0.31)	2.8(0.28)	2.3(0.24)	2.3(0.24)	1.8(0.18)	1.5(0.15)	-	-	-
0.5M	4.4(0.45)	2.5(0.26)	2.1(0.21)	2.7(0.27)	1.7(0.17)	1.4(0.14)	1.5(0.15)	0.9(0.10)	0.8(0.08)
0M	4.1(0.42)	2.4(0.24)	2.0(0.20)	2.6(0.27)	1.6(0.16)	1.3(0.14)	-	-	-
-1.0M	2.6(0.26)	2.4(0.24)	2.0(0.20)	1.7(0.18)	1.6(0.16)	1.3(0.13)	-	-	-

Please note:

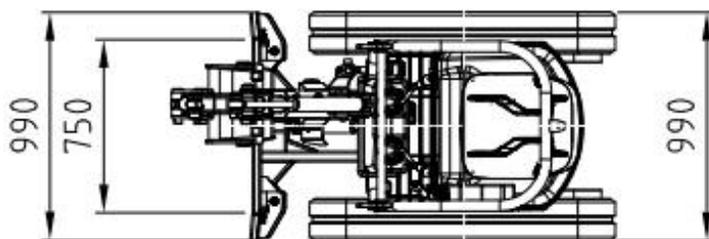
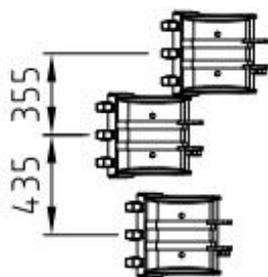
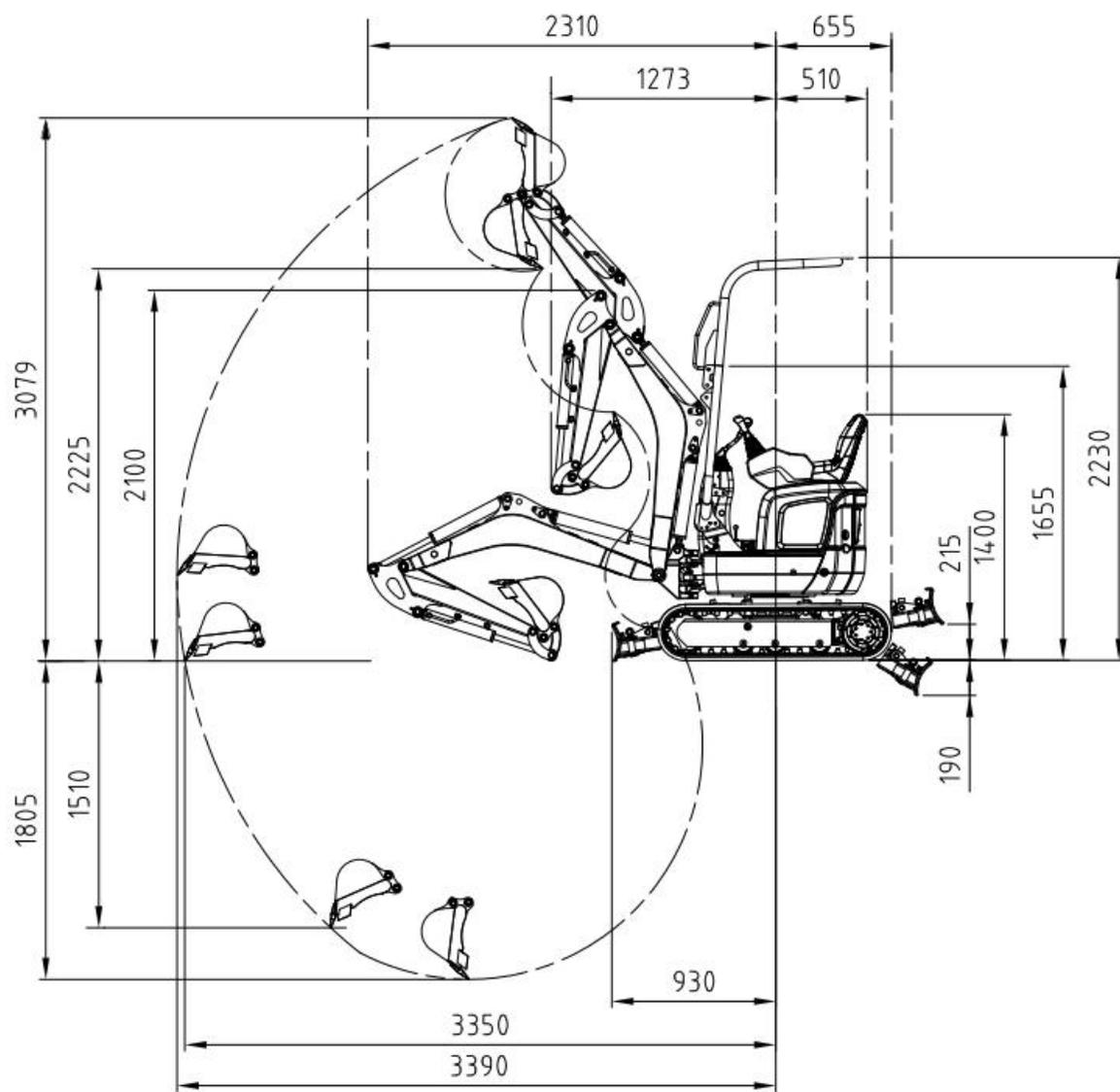
* The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.

* The excavator bucket, hook, sling and other lifting accessories are not included on this table.

Working range

CX12-5/CX12-6

Unit: MM



* Working ranges are with Kubota original bucket, without quick coupler.

* Specifications are subject to change without notice for purpose of improvement.

Specifications

Model		CX12-3	CX12-6
Operating weight	kg	1050	1200
Bucket capacity std. SAE/CECE	m ³	0.024/0.020	0.024/0.020
Bucket width (with/without side teeth)		398/380	398/380
Engine			
Model		D722-EF11	D722-EF11
Type		Water-cooled diesel engine E-TVCS	Water-cooled diesel engine E-TVCS
Output ISO 14396 NET	PS/rpm	10.2/2500	10.2/2500
kW/rpm		7.6/2050	7.6/2050
Number of cylinder		3	3
Bore X Stroke	mm	67 X 68	67 X 68
Displacement	cc	719	719
Dimensions			
Overall length	mm	2980	2980
Overall height	mm	2260	2260
Swivelling speed	rpm	8.3	8.3
Rubber shoe width	mm	180	180
Tumbler distance	mm	1010	1010
Dozer size(width X height)	mm	750/990 X 200	750/990 X 200
Hydraulic pumps			
P1, P2		Gear pump	Gear pump
Flow rate	l/min	10.5+10.5	10.5+10.5
Hydraulic pressure	Mpa(kgf/cm ²)	16.2(165)	17.2(175)
P3		-	Gear pump
Flow rate	l/min	-	3.1
Hydraulic pressure	Mpa(kgf/cm ²)	-	3.9 (40)
Max. Digging force (arm/bucket)	kN(kgf)	5.4(550)/ 10.4(1060)	5.4(550)/ 10.4(1060)
Boom swing angle (left/ right)	deg.	55/55	55/55
Auxiliary circuit			
Flow rate	l/min	21	21
Hydraulic pressure	Mpa(kgf/cm ²)	17.2(175)	17.2(175)

Specifications

Hydraulic reservoir	l	12.6	12.6
Fuel tank capacity	l	12	12
Operation Way		Mechanical valve operation	Pilot operation
Travel Motor		Eaton Orbital motor	LKG Plunger motor
Max. travelling speed (low / high)	km/h	single speed ,2km/h	2-speed , 2/4km/h
Ground contact pressur	Mpa(kgf/cm ²)	29.0(0.30)	29.0(0.30)
Ground clearance	mm	140	140
Noise level			
LpA / LwA (2000/14/EC)	dB(A)	77/90	77/90
Vibration			
Hand arm system (ISO 5349-1:2001)			
Digging / Levelling	m/s ² RMS	<2.5/<2.5	<2.5/<2.5
Driving / Idling	m/s ² RMS	5.93/<2.5	5.93/<2.5
Whole body(ISO 2631-1:1997)			
Digging / Levelling	m/s ² RMS	<0.5/<0.5	<0.5/<0.5
Driving / Idling	m/s ² RMS	2.32/<0.5	2.32/<0.5

* With standard bucket ready for operation. Machine weight includes 75 kg operator.

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