

# KUBOTA MINI EXCAVATOR KX80

## 52kW/70hp



Kubota improves its largest, most advanced Utility Class excavator. Achieve industrial performance in urban environments.

Kubota, the world's compact excavator leader, introduces the ideal solution for job sites requiring extra performance in tight quarters. The Kubota's first 8 ton excavator, is everything Kubota customers expect, and much more. The Kubota DI engine powers the 3-pump load sensing hydraulic system through the hardest, heaviest work with industrial digging forces. You can work in the comfort of a safety-certified, air-conditioned cab. Plus, fuel-saving, adjustable auxiliary flow rates and auto-idle help you control operating expenses. You get all of this, and more, only from Kubota.

A 70-horsepower Kubota diesel engine provides the energy behind the powerful KX080-3S working performance. The 3331 cc Turbo Direct-injection engine contributes to easy starting on those cold mornings, low sound levels, and energy-saving fuel economy. And because Kubota is environmentally conscious, the engine complies with the U.S. EPA's 2008 interim Tier IV emissions regulations—without losing horsepower or ease of operation.

Save fuel with Kubota's Auto Idle. Reduce engine RPM instinctively when high engine speed isn't needed. 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. This innovative feature reduces noise and exhaust emissions while reducing operating costs.

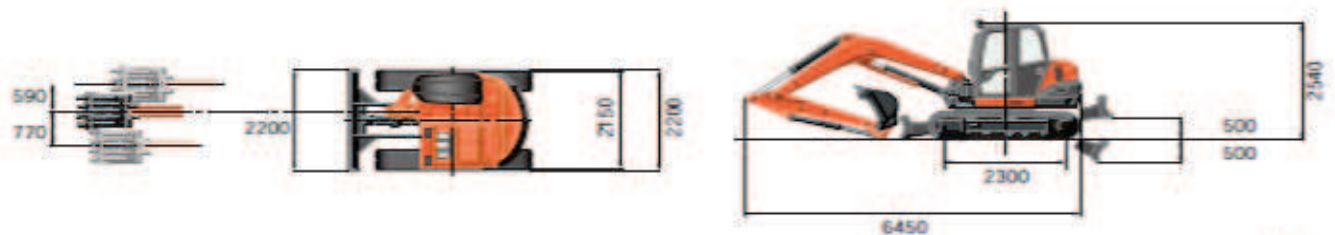
The KX080-3S is designed with a shorter rear overhang. Thanks to this contoured, tight tail design, the KX080-3S is more stable, can handle a wider range of loads, and can work in more restrictive spaces than traditional tail swing excavators.

**For Earth, For Life**  
**Kubota**

# SPECIFICATIONS

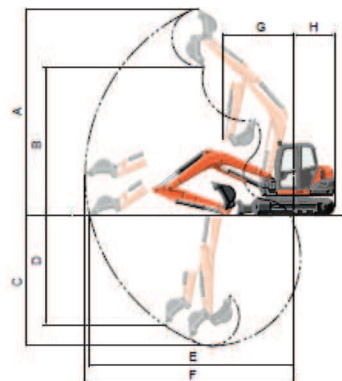
Model		KX080-3S		
Type of cabin		ROPS / FOPS cabin		
Type of tracks		Rubber / Steel		
Engine	Model	Kubota V3307 DI-T		
	Output (SAE J 1995 gross)	HP (kW)/rpm	70.0 (52.2) / 2000	
	Output (SAE J 1349 net)	HP (kW)/rpm	66.5 (49.6) / 2000	
	Displacement	cc	3331	
Dimensions	Overall length	mm	6450	
	Overall height	mm	2540	
	Overall width	mm	2200	
	Min. ground clearance	mm	390	
Hydraulic system	Pump capacity	ℓ/min	72.0 Variable × 2 / 66.6 Gear × 1	
	Auxiliary hydraulic flow	ℓ/min	100 / 66.6	
	Max. breakout force	Bucket / Arm	kgf	6650 / 3880
Drive system	Travel speed	Low / High	km/h	2.7 / 4.9
	Max. traction force	Low speed	kgf	6630
	Tumbler distance		mm	2300
	Crawler length		mm	2900
	Shoe width	Rubber / Steel	mm	450 / 450
	Ground contact pressure	Rubber / Steel	kgf/cm <sup>2</sup>	0.367 / 0.369
Swing system	Unit swing speed		rpm	9.5
	Boom swing angle	Left / Right	degree	70 / 60
Blade	Dimensions	Width	mm	2200
		Height	mm	500
	Max. lift above ground		mm	500
	Max. drop below ground		mm	500
Hydraulic oil (reservoir / system)	ℓ		75 / 135	
Fuel reservoir	ℓ		115	
Operating weight (Including operator's weight 80 kg.)	Rubber / Steel	kgf	8280 / 8330	

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 Roll-over Protective Structure (ROPS) and seat belt for almost all applications.



## WORKING RANGE

Model		KX080-3S		
A	Max. digging height	mm	7300	
B	Max. dumping height	mm	6250	
C	Max. digging depth	mm	4600	
D	Max. vertical digging depth	mm	3850	
E	Max. digging radius at ground	mm	7170	
F	Max. digging radius	mm	7330	
G	Min. turning radius	w/o swing	mm	2490
		w/ swing	mm	2000
H	Min. tail turning radius	mm	1480	



## LIFTING CAPACITY

LIFT POINT HEIGHT (m)	LIFTING CAPACITY OVER-FRONT BLADE DOWN unit=ton			LIFTING CAPACITY OVER-SIDE unit=ton		
	LIFT POINT RADIUS (m)			LIFT POINT RADIUS (m)		
	3	5	MAX	3	5	MAX
3	2.20	1.65	1.55	2.20	1.10	0.80
2	3.35	1.85	1.60	2.25	1.05	0.70
1	4.15	2.05	1.60	2.05	1.00	0.70
GL	4.35	2.15	1.65	1.95	0.95	0.70

Machine with cabin and rubber crawler, without bucket

