

KUBOTA EXCAVATOR

XX080-30%



For outstanding performance, impressive durability, and smooth and responsive operation, look no further than Kubota's versatile, 8-tonne KX080-3 α .

Kubota original direct injection engine

Combined with its advanced hydraulic system, Kubota's original DI engine helps to maximise the strength of digging force and minimise the noise level, fuel consumption and exhaust emissions. Plus, its one-side access makes maintenance free of hassle—the engine and other vital components can be inspected quickly and easily.

Tight tail swing

The KX080-3 α is designed with a shorter rear overhang, ensuring improved workability in restricted space, increased versatility, and better stability. The rear overhang also features cast-iron protectors, which significantly reduce damage to the machine in space-restrictive work sites.



Kubota's Auto Idling System is fitted as standard. When high engine RPM isn't needed, or when control levers are left in neutral for longer than 4 seconds, the idling system automatically reduces the engine to idling RPM. When the levers are moved again, engine RPM is immediately reset to the dial-set RPM. This innovative feature reduces noise and exhaust emissions, in addition to saving energy and running costs.

X0803α

Load-sensing hydraulic system

Kubota's load-sensing hydraulic system ensures smoother operation, regardless of load size. It allows hydraulic oil to flow according to the specific range of the operator's lever motion. As a result, it reduces fuel consumption and delivers greater overall operating performance.



KX080-3α

Smooth and efficient travel performance

The KX080-3 α offers several features that enhance travel performance and ensure smooth and easy operation. Kubota has increased traction by 9%, and reduced the shock at start-ups and stops. Plus, the KX080-3 α is fitted with an advanced two-speed auto-shift feature, which automatically adjusts speed and traction force depending on load size and terrain.

Compact machine width

The KX080-3 α 's narrow 2.200 mm width makes it ideal for working in close conditions, and much easier to transport between job sites.

Digging force

The KX080-3 α offers a well-balanced arm and bucket to provide the operator with unparalleled digging force. This means that the KX080-3 α can dig faster and more efficiently, even in the toughest conditions.

Adjustable maximum oil flow on auxiliary circuit (SP1)

Two auxiliary circuits (SP1/SP2) are standard equipment on the KX080-3 α . The first auxiliary circuit (SP1) allows you to change/adjust the maximum oil flow rate by simply pushing a switch—there's no need for additional tools or manual adjusting procedures.

This simplifies the utilisation of front attachments like tilt buckets, brush cutters and hydraulic hammers—you can reduce or increase the flow to get just the right amount of control.

*The maximum oil flow can vary according to the load of front attachments.



The unique Kubota Intelligent Control System gives you precise control of oil flow according to your needs or the attachment in use.

When it comes to safety, security, and serviceability, the KX080-3 α is at the forefront.



ANTI-THEFT SYSTEM

The ultimate in security that's as easy as turning a key. It's the industry's first standard-equipped anti-theft system, and another original only from Kubota.



THE SYSTEM

Introducing Kubota's new simple and secure anti-theft system. Our one-key-system has an IC chip, which only starts the engine when the system recognises the appropriate key. Standard equipment includes one Red programming key, plus two Black operational keys. And up to four Black keys can be programmed. What's more, you get peace of mind knowing your construction equipment couldn't be in safer hands.

C EASY OPERATION

No special procedures needed. No PIN numbers needed. Just turn the key. Plus, our simple "one-key-security system" allows access to the cabin door and engine bonnet as well as the fuel tank.

SAFETY/SECURITY

Only "programmed keys" will enable the engine to start. Even identically shaped keys can't start the engine unless they are programmed. In fact, attempting to start the engine with an un-programmed key will activate the system's alarm. This alarm will continue even after the un-programmed key is removed. It will only stop once a programmed key is inserted into the ignition and switched on to start the engine.

EASY PROGRAMMING

One Red programming key and two pre-programmed Black operational keys come standard. If a Black key is misplaced, or if additional Black keys are needed (a maximum of two can be added), key programming is easy. Simply insert the Red key, followed by the Black keys.

■ Programmed key





vroom...

Insert key The excavator moves

■ Un-programmed key



Insert key



The alarm sounds



Insert the Red programming key, then press



7 Insert new individual Black operational key.

Tank electric refuelling pump

The KX080-3 α 's standard refuelling pump includes an auto-stop function that reduces spillage and increases safety. And, the tank can be completely filled in approximately three minutes.





The KX080-3 α 's 2-Piece Boom version delivers a wide working range, smooth operation, and the versatility you need for tough jobs of all sizes.

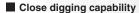
Dynamic working range

The 2-piece boom offers a versatile working range so you can reach farther, deeper, closer and anywhere in between.

Expanded working range

The versatile 2-piece boom offers a long reach and close retraction to make levelling large areas more efficient and productive. Plus, it's easy to dig close to the machine, eliminating the need for constant repositioning. It's particularly effective when working in narrow spaces.



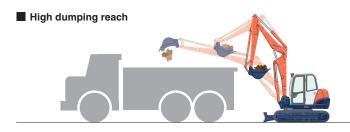






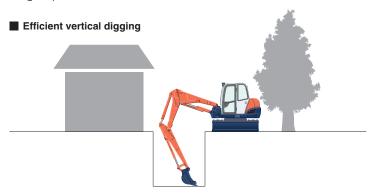
Impressive dumping range

The 2-piece boom enables you to dump farther and higher, and offers a high bucket bottom position, making it smooth and easy to dump onto lorries without repositioning the excavator.



Efficiency in narrow spaces

When space is restricted, the 2-piece boom manoeuvres easily to simplify vertical digging and efficiently make deep walls at 90° angles. And, it offers a compact front swivel radius to make turning and lifting operations in tight spaces even easier.





2-PIECE BOOM

VERSION



Kubota has upgraded the cabin features on the KX080-3 α to make it the most comfortable cabin in its class.



Operator comfort

To enhance operator comfort, Kubota has improved the cabin design. The large windows offer improved visibility for the operator and the lower-front-window-glass can be easily removed and kept behind the seat. Two speakers, aerial, and wiring harness are fitted as standard. The cabin is also equipped with storage space behind the operator seat and a cup holder.

Deluxe suspension seat

Kubota's standard, adjustable suspension seat reduces strain and improves comfort for the operator.

Air conditioning

The KX080-3 α features an air conditioner as standard.



DIGITAL PANEL



Kubota's Intelligent Control System keeps you informed with timely diagnostic readings and routine maintenance alerts that can reduce downtime and repair costs. The large digital panel displays current working conditions, and warning indicators for engine RPM, fuel, temperature and oil levels. It even tells you when the tank is nearly full during refuelling.





Standard Equipment

Engine/Fuel system

- Double-element air filter
- Electric fuel pump
- Auto idling system
- Tank electric refuelling pump

Undercarriage

- 450 mm rubber track
- 1 x upper track roller
- 5 single-flange track rollers on each track
- 2-speed travel switch on dozer lever

Hydraulic system

- Pressure accumulator
- Hydraulic pressure checking ports
- Straight travel circuit
- Third line hydraulic return
- Load-sensing hydraulic system
- Adjustable Maximum oil flow on Auxiliary Circuit (SP1)
- Double auxiliary circuit for accessories
- Auxiliary switch (SP1) on right control lever
- Auxiliary switch (SP2) on left control lever
- Bracket and harness for beacon light
- Two-speed travel with auto-shift

Safety system

- Engine start safety system on the left console
- Travel motor with disc brake
- Swivel motor with disc brake
- Overload warning buzzer
- Kubota original anti-theft system
- Anti-drop valve on the boom (ISO8643)

Working equipment

- Auxiliary hydraulic circuit piping to the arm end
- 2 working lights on cabin and 1 light on the boom
- 2100 mm arm

Cabin

- ROPS (Roll-over Protective Structure, ISO3471)
- FOPS (Falling Object Protective Structure) Level 1
- Weight-adjustable full suspension seat
- Seatbe
- Hydraulic pilot control levers with wrist rests
- Travel levers with foot pedals
- Air conditioning
- Cabin heater for defrosting & demisting

- Emergency exit hammer
- Front window power-assisted with gas damper
- 12 V power source for radio-stereo
- 2 speakers and radio aerial
- Location for radio
- Cup holder

Optional Equipment

Undercarriage

• 450 mm steel track (+ 50 kg)

Working equipment

• 1750 mm arm (- 22 kg)

Safety system

• Anti-drop valve unit (arm and dozer)

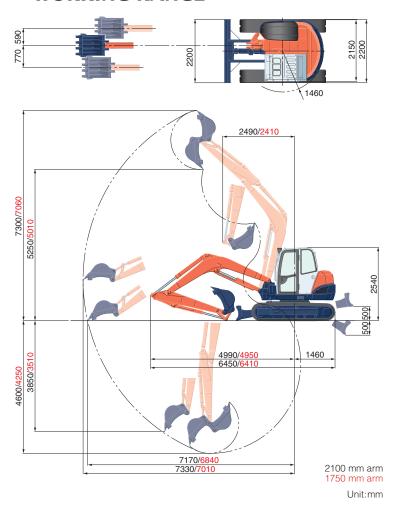
Others

- Special paint upon request
- Light weight version (- 235 kg)

SPECIFICATIONS

		*with	rubber shoe, JPN	bucket and 2100 mm arm		
Machine weigh	nt (li	ght weight versior	ı) kg	8195 (7960)		
Bucket capaci	ty, s	td. SAE/CECE	m³	0,25/0,21		
Bucket	Wit	th side teeth	mm	800		
width	Wit	thout side teeth	mm	700		
	Мо	del		V3307DI-T		
	Ту	pe		Water-cooled, diesel engine E-TVCS (Economical, ecological type)		
Engine	<u></u>	tput ISO9249	PS/rpm	65,0/2000		
Liigiile	Ou	tput 1309249	kW/rpm	47,8/2000		
	Nu	mber of cylinders	S	4		
	Во	re × Stroke	mm	94 × 120		
	Dis	splacement	СС	3331		
Swivelling spe	eed		rpm	9,5		
Rubber shoe v	widt	h	mm	450		
Tumbler dista	nce		mm	2300		
Dozer size (w	idth	\times height)	mm	2200 × 500		
	Р1	,P2		Variable displacement pump		
	Flo	w rate	ℓ/min	72,0 × 2		
Hydraulic	Ну	draulic pressure	MPa (kgf/cm ²)	27,4 (280)		
pumps	Р3			Gear type		
	Flo	w rate	ℓ/min	66,6		
	Ну	draulic pressure	MPa (kgf/cm2)	20,6 (210)		
Max. digging		Arm	daN (kgf)	3810 (3880)		
force		Bucket	daN (kgf)	6520 (6650)		
Boom swing a	ıngl	e (left/right)	deg	70/60		
Minimum front sw	ivel r	adius with boom swin	g (left/right)	2050/2380		
Auxiliary	Ма	x. Flow rate	ℓ/min	100		
circuit (SP1)	Max	k. Hydraulic pressure	MPa (kgf/cm2)	20,6 (210)		
Auxiliary	Ма	x. Flow rate	ℓ/min	66,6		
circuit (SP2)	Max	k. Hydraulic pressure	MPa (kgf/cm ²)	20,6 (210)		
Hydraulic rese	ervo	ir	l	75		
Fuel tank capa	acity	/	e	115		
Max. travellin		Low	km/h	2,7		
speed	,	High	km/h	4,9		
Ground conta	ct p	ressure	kPa (kgf/cm²)	34,6 (0,353)		
Ground cleara	<u> </u>		mm	390		

WORKING RANGE

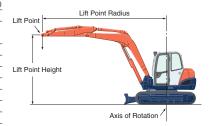


LIFTING CAPACITY

d											daN (ton)		
Lift Point Height		Lifting point radius (Min)			Lifting point radius (3m)			Lifting point radius (4m)			Lifting point radius (Max)		
		Over-front		0	Over-front		Over-side	Over-front			Over-front		0
		Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side
F	5m 1750 Arm 2100 Arm					1620 (1,65)	1620 (1,65)	1620 (1,65)					
2111								1420 (1,45)	1420 (1,45)	1420 (1,45)			
3m	1750 Arm	3480 (3,55)	3480 (3,55)	3480 (3,55)	2500 (2,55)	2500 (2,55)	2500 (2,55)	1960 (2,00)	1960 (2,00)	1720 (1,75)	1620 (1,65)	1230 (1,25)	930 (0,95)
3111	1 2100 Arm 2260 (2,30) 2260 (2,3	2260 (2,30)	2260 (2,30)	2110 (2,15)	2110 (2,15)	2110 (2,15)	1770 (1,80)	1770 (1,80)	1720 (1,75)	1520 (1,55)	1130 (1,15)	880 (0,90)	
2m	1750 Arm	3780 (3,85)	3430 (3,50)	2500 (2,55)	3630 (3,70)	3330 (3,40)	2400 (2,45)	2350 (2,40)	2110 (2,15)	1620 (1,65)	1620 (1,65)	1130 (1,15)	880 (0,90)
2111	2100 Arm	3820 (3,90)	3820 (3,90)	2890 (2,95)	3240 (3,30)	3240 (3,30)	2500 (2,55)	2210 (2,25)	2160 (2,20)	1620 (1,65)	1520 (1,55)	1030 (1,05)	780 (0,80)
1 m	1750 Arm	2940 (3,00)	2940 (3,00)	2260 (2,30)	3090 (3,15)	3090 (3,15)	2210 (2,25)	2700 (2,75)	2010 (2,05)	1520 (1,55)	1670 (1,70)	1080 (1,10)	830 (0,85)
1111	2100 Arm	2750 (2,80)	2750 (2,80)	2550 (2,60)	4020 (4,10)	3140 (3,20)	2260 (2,30)	2600 (2,65)	2010 (2,05)	1520 (1,55)	1570 (1,60)	1030 (1,05)	780 (0,80)
0m	1750 Arm	2300 (2,35)	2300 (2,35)	2300 (2,35)	4120 (4,20)	3040 (3,10)	2160 (2,20)	2790 (2,85)	1960 (2,00)	1420 (1,45)	1720 (1,75)	1130 (1,15)	830 (0,85)
Om	2100 Arm	1910 (1,95)	1910 (1,95)	1910 (1,95)	4170 (4,25)	3040 (3,10)	2160 (2,00)	2790 (2,85)	1960 (2,00)	1420 (1,45)	1570 (1,60)	1030 (1,05)	780 (0,80)
1	1750 Arm	3290 (3,35)	3290 (3,35)	3290 (3,35)	3780 (3,85)	3040 (3,10)	2160 (2,20)	2700 (2,75)	1910 (1,95)	1420 (1,45)	1720 (1,75)	1270 (1,30)	930 (0,95)
-1 m	2100 Arm	1860 (1,90)	1860 (1,90)	1860 (1,90)	3920 (4,00)	2990 (3,05)	2160 (2,20)	2750 (2,80)	1910 (1,95)	1420 (1,45)	1620 (1,65)	1130 (1,15)	830 (0,85)
2	1750 Arm	2400 (2,45)	2400 (2,45)	2400 (2,45)	1810 (1,85)	1810 (1,85)	1810 (1,85)						
-3m	2100 Arm	4950 (5,05)	4950 (5,05)	4950 (5,05)	2350 (2,40)	2350 (2,40)	2210 (2,25)	1570 (1,60)	1570 (1,60)	1470 (1,50)			

*Light weight version

Lift Point Height		Lifting point radius (Min)			Lifting point radius (3m)			Lifting point radius (4m)			Lifting point radius (Max)		
		Over-front		Over-side	Over-front		Over-side	Over-front		0	Over-front		Over-side
		Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side
5 m	1750 Arm							1620 (1,65)	1620 (1,65)	1620 (1,65)			
5m	2100 Arm							1420 (1,45)	1420 (1,45)	1420 (1,45)			
3m	1750 Arm	3480 (3,55)	3480 (3,55)	3480 (3,55)	2500 (2,55)	2500 (2,55)	2500 (2,55)	1960 (2,00)	1960 (2,00)	1570 (1,60)	1620 (1,65)	1130 (1,15)	830 (0,85)
2111	2100 Arm	2260 (2,30)	2260 (2,30)	2260 (2,30)	2110 (2,15)	2110 (2,15)	2110 (2,15)	1770 (1,80)	1770 (1,80)	1620 (1,65)	1520 (1,55)	1030 (1,05)	780 (0,80)
2m	1750 Arm	3780 (3,85)	3190 (3,25)	2300 (2,35)	3630 (3,70)	3090 (3,15)	2210 (2,25)	2350 (2,40)	1960 (2,00)	1470 (1,50)	1620 (1,65)	1030 (1,05)	780 (0,80)
2111	2100 Arm	3820 (3,90)	3730 (3,80)	2650 (2,70)	3240 (3,30)	3190 (3,25)	2300 (2,35)	2210 (2,25)	1960 (2,00)	1470 (1,50)	1520 (1,55)	980 (1,00)	740 (0,75)
1	1750 Arm	2940 (3,00)	2890 (2,95)	2060 (2,10)	3090 (3,15)	2890 (2,95)	2060 (2,10)	2700 (2,75)	1860 (1,90)	1370 (1,35)	1670 (1,70)	1030 (1,05)	740 (0,75)
1 m	2100 Arm	2750 (2,80)	2750 (2,80)	2300 (2,35)	4020 (4,10)	2890 (2,95)	2060 (2,10)	2600 (2,65)	1860 (1,90)	1370 (1,35)	1570 (1,60)	930 (0,95)	690 (0,70)
0m	1750 Arm	2300 (2,35)	2300 (2,35)	2300 (2,35)	4120 (4,20)	2790 (2,85)	2010 (2,05)	2790 (2,85)	1770 (1,80)	1320 (1,35)	1720 (1,75)	1030 (1,05)	780 (0,80)
um	2100 Arm	1910 (1,95)	1910 (1,95)	1910 (1,95)	4170 (4,25)	2790 (2,85)	1960 (2,00)	2790 (2,85)	1770 (1,80)	1320 (1,35)	1570 (1,60)	930 (0,95)	690 (0,70)
1	1750 Arm	3290 (3,35)	3290 (3,35)	3290 (3,35)	3780 (3,85)	2790 (2,85)	1960 (2,00)	2700 (2,75)	1770 (1,80)	1270 (1,30)	1720 (1,75)	1130 (1,15)	830 (0,85)
-1 m	2100 Arm	1860 (1,90)	1860 (1,90)	1860 (1,90)	3920 (4,00)	2790 (2,85)	1960 (2,00)	2750 (2,80)	1770 (1,80)	1270 (1,30)	1620 (1,65)	1030 (1,05)	780 (0,80)
-3 m	1750 Arm	2400 (2,45)	2400 (2,45)	2400 (2,45)	1810 (1,85)	1810 (1,85)	1810 (1,85)						
-sm	2100 Arm	4950 (5,05)	4950 (5,05)	4950 (5,05)	2350 (2,40)	2350 (2,40)	2010 (2,05)	1570 (1,60)	1570 (1,60)	1320 (1,35)			



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

- Please note:

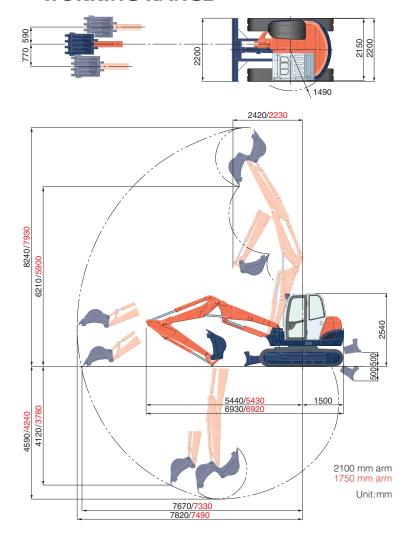
 * The lifting capacities are based on ISO 10567 and do not exceed 75% of the static tilt load of the machine or 87% of the hydraulic lifting capacity of the machine.
- * The excavator bucket, hook, sling and other lifting accessories are not included on this table.

2-PIECE BOOM VERSION

SPECIFICATIONS

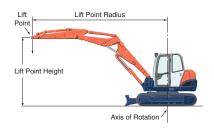
		*with	rubber shoe, JPN	bucket and 2100 mm arm		
Machine weigh	ıt		kg	8700		
Bucket capaci	ty, s	td. SAE/CECE	m³	0,25/0,21		
Bucket	Wit	th side teeth	mm	800		
width	Wit	thout side teeth	mm	700		
	Мс	del		V3307DI-T		
	Ту	pe		Water-cooled, diesel engine E-TVCS (Economical, ecological type)		
Engine	0	tput ISO9249	PS/rpm	65,0/2000		
Liigiiic		tput 15052+5	kW/rpm	47,8/2000		
	-	mber of cylinder	S	4		
		re × Stroke	mm	94 × 120		
	Dis	placement	СС	3331		
Swivelling spe	eed		rpm	9,5		
Rubber shoe	widt	h	mm	450		
Tumbler dista	nce		mm	2300		
Dozer size (w	idth	× height)	mm	2200 × 500		
	Р1	,P2		Variable displacement pump		
	Flo	w rate	ℓ/min	72,0 × 2		
Hydraulic	Ну	draulic pressure	MPa (kgf/cm ²)	27,4 (280)		
pumps	Р3			Gear type		
	Flo	w rate	ℓ/min	66,6		
	Ну	draulic pressure	MPa (kgf/cm2)	20,6 (210)		
Max. digging		Arm	daN (kgf)	3810 (3880)		
force		Bucket	daN (kgf)	6520 (6650)		
Boom swing a	ıngl	e (left/right)	deg	70/60		
Minimum front sw	ivel r	adius with boom swin	g (left/right)	1990/2310		
Auxiliary	Ма	x. flow rate	ℓ/min	100		
circuit (SP1)	Max	k. hydraulic pressure	MPa (kgf/cm2)	20,6 (210)		
Auxiliary	Ма	x. flow rate	ℓ/min	66,6		
circuit (SP2)	Max	k. hydraulic pressure	MPa (kgf/cm2)	20,6 (210)		
Hydraulic rese	ervo	ir	l	75		
Fuel tank capa	acity	/	l	115		
Max. travellin	a	Low	km/h	2,7		
speed	_	High	km/h	4,9		
Ground conta	ct p	ressure	kPa (kgf/cm²)	37,8 (0,386)		
Ground cleara	ınce		mm	390		

WORKING RANGE



LIFTING CAPACITY

													daN (ton)
Lift Point Height		Lifting	point radiu	s (Min)	Lifting point radius (3m)			Lifting point radius (4m)			Lifting point radius (Max)		
		Over-front			Over-front		Ouar aida	Over-front		Ouaz aida	Over-front		0
		Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side	Blade Down	Blade Up	Over-side
F	1750 Arm	2400 (2,45)	2400 (2,45)	2400 (2,45)	2260 (2,30)	2260 (2,30)	2260 (2,30)	1910 (1,95)	1910 (1,95)	1860 (1,90)			
5m	2100 Arm							1770 (1,80)	1770 (1,80)	1770 (1,80)			
_	1750 Arm							2300 (2,35)	2260 (2,30)	1720 (1,75)	1520 (1,55)	1080 (1,10)	830 (0,85)
3m	2100 Arm	3240 (3,30)	3240 (3,30)	3040 (3,10)	2990 (3,05)	2990 (3,05)	2750 (2,80)	2160 (2,20)	2160 (2,20)	1720 (1,75)	1420 (1,45)	980 (1,00)	740 (0,75)
2m	1750 Arm							2600 (2,65)	2110 (2,15)	1570 (1,60)	1470 (1,50)	1030 (1,05)	740 (0,75)
2111	2100 Arm							2500 (2,55)	2160 (2,20)	1570 (1,60)	1370 (1,40)	930 (0,95)	690 (0,70)
1 m	1750 Arm							2700 (2,75)	2010 (2,05)	1470 (1,50)	1370 (1,40)	980 (1,00)	740 (0,75)
11111	2100 Arm							2650 (2,70)	2010 (2,05)	1470 (1,50)	1320 (1,35)	930 (0,95)	690 (0,70)
0m	1750 Arm							2550 (2,60)	1960 (2,00)	1420 (1,45)	1320 (1,35)	1030 (1,05)	740 (0,75)
UIII	2100 Arm	2160 (2,20)	2160 (2,20)	2160 (2,20)	2300 (2,35)	2300 (2,35)	2110 (2,15)	2600 (2,65)	1910 (1,95)	1370 (1,40)	1230 (1,25)	930 (0,95)	690 (0,70)
1	1750 Arm	2060 (2,10)	2060 (2,10)	2060 (2,10)	2750 (2,80)	2750 (2,80)	2160 (2,20)	2210 (2,25)	1960 (2,00)	1420 (1,45)			
-1 m	2100 Arm	2010 (2,05)	2010 (2,05)	2010 (2,05)	3090 (3,15)	3040 (3,10)	2110 (2,15)	2350 (2,40)	1910 (1,95)	1370 (1,40)	1180 (1,20)	1030 (1,05)	740 (0,75)
2	1750 Arm							690 (0,70)	690 (0,70)	690 (0,70)			
-3m	2100 Arm				1320 (1,35)	1320 (1,35)	1320 (1,35)	1080 (1,10)	1080 (1,10)	1080 (1,10)			



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

- 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.

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