

# Mini Excavator Guide



For Earth, For Life  
Kubota

# Micro Range

## > K008-3

Super-compact and highly reliable; the efficient Kubota K008-3, with its enhanced operator protection, is the choice for tough jobs where space is limited.

## > U10-3

Ultra-compact with 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.



Model	K008-3		U10-3	
Machine weight	Canopy	kg	980	1120
Engine	Model		D722-BH-5	D722-BH-6
	Type		Water cooled, diesel E-TVCS	Water-cooled, diesel engine E-TVCS (Economical, ecological type)
	Output	PS/rpm	10.2/2050	10.2/2050
	ISO9249	kW/rpm	7.4/2050	7.4/2050
	No of cylinders		3	
Overall length		mm	2750	2980
Machine width		mm	700-860	750-990
Hydraulic pumps	Canopy		2230	2230
	P1, P2		Gear type	Gear type
	Flow rate	l/min	10.5 + 10.5	10.5 + 10.5
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	16.7 (170)	17.6 (180)
	P3		-	Gear type
Max. digging force	Flow rate	l/min	-	3.1
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	-	2.9 (30)
	Arm	kN (kgf)	4.5 (460)	5.4 (550)
Max. digging depth	Bucket	kN (kgf)	9.8 (1000)	10.4 (1060)
		mm	1720	1800
Auxiliary circuit	Max. Flow rate	l/min	21.0	21.0
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	170	180
Hydraulic reservoir		l	12.5	12.5
Fuel tank capacity		l	12	12
Max. Travelling speed	Low	km/h	2.0	2.0
	High	km/h	4.0	4.0

# 1.5 Tonne Range

## > KX015-4 / KX016-4

The KX015-4 and KX016-4 mini excavators deliver a powerful digging force and a wider working range that rival higher end excavators. And with enhanced accessibility to sites such as roadsides or residential areas, these versatile machines get the job done easier and efficiently.



Model	KX015-4		KX016-4	
Machine weight	Cabin/canopy	kg	1470/1420	1540/1490
Engine	Model		D782-BH	D782-BH
	Type		Water cooled, diesel, E-TVCS	Water cooled, diesel, E-TVCS
	Output	PS/rpm	13/2300	13/2300
	ISO9249	kW/rpm	9.6/2300	9.6/2300
	No of cylinders		3	
Overall length		mm	3710	3710
Overall height	Cabin	mm	2350	2350
	Canopy	mm	2330	2330
Machine width		mm	990	990-1240
Hydraulic pumps	P1, P2		Variable displacement pump	Variable displacement pump
	Flow rate	l/min	16.6 + 16.6	16.6 + 16.6
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	20.6 (210)
	P3		Gear type	Gear type
	Flow rate	l/min	10.4	10.4
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.1 (205)	20.1 (205)
Max. digging force	Arm	kN (kgf)	7.3 (740)	7.3 (740)
	Bucket	kN (kgf)	12.7 (1300)	12.7 (1300)
		mm	2250	2250
Auxiliary circuit	Max. Flow rate	l/min	27	27
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	20.6 (210)
Hydraulic reservoir		l	28	28
Fuel tank capacity		l	21	21
Max. Travelling speed	Low	km/h	2.1	2.1
	High	km/h	3.8	3.8



# 1.8 Tonne Range

## > U17-3

The advanced U17-3 offers superior versatility and performance to take on almost any task.

## > KX018-4 / KX019-4

The KX018-4 / KX019-4 mini excavators raise the standard in the 1.5-2.0 tonne category with a powerful digging force and a wider working range that rival higher-end excavators, offering enhanced accessibility and manoeuvrability.



Model		U17-3	KX018-4	KX019-4
Machine weight	Cabin/canopy	kg 1650	1720/1620	1780/1680
Engine	Model	D902	D902-BH	D902-BH
	Type	Water cooled, diesel	Water cooled, diesel, E-TVCS	Water cooled, diesel, E-TVCS
	Output	PS/rpm 16/2300	16/2300	16/2300
	ISO9249	kW/rpm 11.8/2300	11.8/2300	11.8/2300
	No of cylinders	3	3	3
Overall length		mm 3545	3710	3870
Overall height	Cabin	mm -	2350	2350
	Canopy	mm 2330	2330	2330
Machine width		mm 990-1240	990-1300	990-1300
Hydraulic pumps	P1, P2	Variable Displacement Pump	Variable Displacement Pump	Variable Displacement Pump
	Flow rate	l/min 17.3 + 17.3	17.3 + 17.3	17.3 + 17.3
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> ) 21.6 (220)	21.6 (220)	21.6 (220)
	P3	Gear type	Gear type	Gear type
	Flow rate	l/min 10.4	10.4	10.4
Max. digging force	Arm	kN (kgf) 8.5 (865)	8.3 (840)	7.8 (790)
	Bucket	kN (kgf) 15.2 (1550)	15.9 (1620)	15.9 (1620)
Max. digging depth		mm 2460	2380	2580
Auxiliary circuit	Max. Flow rate	l/min 27.7	27.7	27.7
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> ) 18.6	21.6 (220)	21.6 (220)
Hydraulic reservoir		l 21	28	28
Fuel tank capacity		l 19	21	21
Max. Travelling speed	Low	km/h 2.2	2.2	2.2
	High	km/h 4.1	4.0	4.0

# 2-3 Tonne Range

## > U20-3a / U27-4

The U20-3a and U27-4 mini excavators are ready for work, offering precision control for restricted working and a host of advanced features that deliver superior performance and efficiency. With high reliability and low operating costs these minis are ideal for a wide range of jobs.



Model		U20-3a	U27-4
Machine weight	Cabin/canopy	kg 2380/2180	2590/2490
Engine	Model	D1105-E2-BH-12	D1105-E4BH-2
	Type	Water cooled, diesel, E-TVCS	Water cooled, diesel, E-TVCS
	Output	PS/rpm 19/2200	21.2/2400
	ISO9249	kW/rpm 14/2200	15.6/2400
	No of cylinders	3	3
Overall length		mm 3850	4190
Overall height	Cabin	mm 2360	2430
	Canopy	mm 2380	2420
Machine width		mm 1300-1500	1500
Hydraulic pumps	P1, P2	Variable displacement pump	Variable displacement pump
	Flow rate	l/min 23 + 23	28.8 + 28.8
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> ) 21.6 (220)	21.6 (220)
	P3	Gear type	Gear type
	Flow rate	l/min 12.8	19.2
Max. digging force	Arm	kN (kgf) 13.2 (1350)	12.3 (1260)
	Bucket	kN (kgf) 18.4 (1880)	21 (2140)
Max. digging depth		mm 2820	2820
Auxiliary circuit	Max. Flow rate	l/min 35.8	48
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> ) 21.6 (210)	17.2 (175)
Hydraulic reservoir		l 22	22
Fuel tank capacity		l 28	33
Max. Travelling speed	Low	km/h 2.2	2.4
	High	km/h 4.2	4.5

## 2-3 Tonne Range

### > KX61-3 / KX71-3

The KX61-3 and KX71-3 deliver the largest digging depth and reach of all mini-excavators with a long arm in the 2-3 tonne weight category. Even with the long arm, these machines generate the largest power in their class for both arm and bucket digging. Additionally these machines offer impressive lifting power and include a host of robust features for a high performance package.



Model			KX61-3	KX71-3
Machine weight	Cabin/canopy	kg	2600/2495	2800/2695
Engine	Model		V1505-E2-BH-9EU	V1505-E2-BH-10EU
	Type		Water-cooled, diesel engine	Water-cooled, diesel engine
	Output	PS/rpm	24.8/2100	27.5/2300
	ISO9249	kW/rpm	18.2/2100	20.5/2300
	No of cylinders		4	4
Overall length		mm	4310	4550
Overall height	Cabin	mm	2410	2410
	Canopy	mm	2430	2430
Machine width		mm	1400	1500
Hydraulic pumps	P1, P2		Variable displacement pump	Variable displacement pump
	Flow rate	l/min	29.4 + 29.4	32.2 + 32.2
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	22.6 (230)	23.5 (240)
	P3		Gear type	Gear type
	Flow rate	l/min	16.8	18.4
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	17.2 (175)	20.6 (210)
	Max. Digging force	Arm	kN (kgf)	14.7 (1500)
	Bucket	kN (kgf)	21.5 (2190)	25.2 (2570)
Max. digging depth		mm	2740	2870
Auxiliary circuit	Max. Flow rate	l/min	46.2	50.6
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	17.2 (175)	20.6 (210)
Hydraulic reservoir		l	34	34
Fuel tank capacity		l	45	45
Max. Travelling speed	Low	km/h	2.8	2.7
	High	km/h	4.4	4.6

## 3.5-5 Tonne Range

### > U35-3a3

Kubota's U35-3a3 is the excavator of choice for smooth simultaneous operation, powerful digging force, and superb attachment versatility.

### > KX101-3a3

With smooth simultaneous operation, powerful digging force, and outstanding attachment versatility, this excavator brings high performance to a whole new level.



Model			U35-3a3	KX101-3a3
Machine weight	Cabin/canopy	kg	3590/3480	3520/3410
Engine	Model		D1803-M-E3-BH-EU1	D1803-M-E3-BH-EU1
	Type		Water cooled, diesel, E-TVCS	Water cooled, diesel, E-TVCS
	Output	PS/rpm	31.1/2300	31.1/2300
	ISO9249	kW/rpm	22.9/2300	22.9/2300
	No of cylinders		3	3
Overall length		mm	4865	4920
Overall height	Cabin	mm	2440	2440
	Canopy	mm	2440	2440
Machine width		mm	1700	1550
Hydraulic pumps	P1, P2		Variable displacement pump	Variable displacement pump
	Flow rate	l/min	96.6	96.6
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	24.5 (250)	24.5 (250)
	P3		-	-
	Flow rate	l/min	-	-
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	-	-
	Max. digging force	Arm	kN (kgf)	15.9 (1630)
	Bucket	kN (kgf)	31.1 (3180)	31.1 (3180)
Max. digging depth		mm	3350	3300
Auxiliary circuit	Max. Flow rate	l/min	55	55
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)	20.6 (210)
Hydraulic Reservoir		l	36	36
Fuel tank capacity		l	41.5	48
Max. Travelling speed	Low	km/h	3.0	3.0
	High	km/h	4.6	4.6



## 4-5 Tonne Range

### > KX121-3a

The KX121-3a offers class leading performance designed to handle all your professional needs.

### > U48-4

Combining the power for demanding jobs and the versatility to work in any condition, the Kubota U48-4 is ready to take on any challenge. This advanced 4.7 tonne machine is designed with excellent stability to work efficiently even where space is confined. With superior digging and lifting power, together with smooth travel performance, this Kubota truly has it all.



Model	KX121-3a		U48-4	
Machine weight	Cabin/canopy	kg	3980	4775
Engine	Model		V2203-M-EBH-2-N	V2607-DI
	Type		Water cooled, diesel, E-TVCS	Water cooled, diesel
	Output	PS/rpm	40/2250	28.8/2200
	ISO9249	kW/rpm	29.4/2250	40.5/2200
	No of cylinders		4	4
Overall length		mm	5060	5330
Overall height	Cabin	mm	2490	2550
Machine width		mm	1700	1960
Hydraulic pumps	P1, P2		Variable displacement pump	Variable displacement pump
	Flow rate	l/min	94.5	118.8
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	24.5 (250)	24.5 (250)
	P3		-	-
	Flow rate	l/min	-	-
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	-	-
Max. digging force	Arm	kN (kgf)	20.5 (2095)	22.0 (2245)
	Bucket	kN (kgf)	32.5 (3315)	33.0 (3360)
Max. digging depth		mm	3510	3380
Auxiliary circuit	Max. Flow rate	l/min	60	70 (aux1) 37 (aux2)
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	24.5 (250)	20.6 (210)
Hydraulic reservoir		l	44	45
Fuel tank capacity		l	64	68
Max. Travelling speed	Low	km/h	3.0	2.8
	High	km/h	5.0	4.9

## 5-6 Tonne Range

### > U55-4

Highly versatile and extremely powerful, the Kubota U55-4 is ready to take on any challenge and any condition. This advanced 5.4 tonne machine is designed with excellent stability to work efficiently even where space is confined. The U55-4 offers upgraded digging and lifting power together with smooth operation, for efficient and reliable everyday performance.



Model	U55-4		
Machine weight	Cabin/canopy	kg	5400
Engine	Model		V2607-DI
	Type		Water cooled, diesel
	Output	PS/rpm	33.8/2200
	ISO9249	kW/rpm	46.0 (2200)
	No of cylinders		4
Overall length		mm	5500
Overall Height	Cabin	mm	2550
Machine width		mm	1960
Hydraulic pumps	P1, P2		Variable displacement pump
	Flow rate	l/min	56.1 + 56.1
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	27.4 (280)
	P3		Gear type
	Flow rate	l/min	37.0
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	19.1 (195)
Max. Digging force	Arm	kN (kgf)	27.2 (2770)
	Bucket	kN (kgf)	42.3 (4315)
Max. digging depth		mm	3630
Auxiliary circuit	Max. Flow rate	l/min	75(aux1) / 37(aux2)
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)aux1 / 19.1(195)aux2
Hydraulic reservoir		l	45
Fuel tank capacity		l	68
Max. Travelling speed	Low	km/h	2.8
	High	km/h	4.9

## 6 Tonne Range

### > KX057-4

This powerful and advanced machine is designed with excellent stability to work with a variety of attachments. With enhanced versatility, upgraded digging and lifting power and smoother travel performance the Kubota KX057-4 delivers much more.



Model		KX057-4	
Machine weight	Cabin/canopy	kg	5545
Engine	Model		V2607-DI
	Type		Water cooled, diesel
	Output	PS/rpm	33.8/2200
	ISO9249	kW/rpm	46.0/2200
	No of cylinders		4
Overall length		mm	5520
Overall Height	Cabin	mm	2550
Machine width		mm	1960
Hydraulic pumps	P1, P2		Variable displacement pump
	Flow rate	l/min	56.1 + 56.1
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	27.4 (280)
	P3		Gear pump
	Flow rate	l/min	37.0
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	19.1(195)
Max. digging force	Arm	kN (kgf)	24.5 (2500)
	Bucket	kN (kgf)	42.3 (4315)
Max. digging depth		mm	3890
Auxiliary circuit	Max. Flow rate	l/min	75 aux1 / 37 aux2
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210) aux1 / 19.1 (195) aux2
Hydraulic reservoir		l	45
Fuel tank capacity		l	75
Max. Travelling speed	Low	km/h	2.8
	High	km/h	4.9

## 8 Tonne Range

### > KX080-4

KX080-4 delivers all the power you need whilst being one of the environmentally friendly excavators in its class. Advanced features include a direct injection diesel engine with common rail system (CRS), a Diesel Particulate Filter (DPF), muffler and a host of other functions and equipment including ECO PLUS for superior fuel economy and productivity.



Model		KX080-4		KX080-4 (2-piece boom)	
Machine weight	Cabin/canopy	kg	8195		8700
Engine	Model		V3307-CR-TE4		V3307-CR-TE4
	Type		Water cooled, diesel engine E-CDIS (with CRS and DPF)		Water cooled, diesel engine E-CDIS (with CRS and DPF)
	Output	PS/rpm	65.0/2000		65.0/2000
	ISO9249	kW/rpm	47.8/2000		47.8/2000
	No of cylinders		4		4
Overall length		mm	6450		6930
Overall height	Cabin	mm	2540		2540
Machine width		mm	2200		2200
Hydraulic pumps	P1, P2		Variable displacement pump		Variable displacement pump
	Flow rate	l/min	72 + 72		72 + 72
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	27.4 (280)		27.4 (280)
	P3		Gear type		Gear type
	Flow rate	l/min	66.6		66.6
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)		20.6 (210)
Max. Digging force	Arm	kN (kgf)	38.1 (3880)		38.1 (3880)
	Bucket	kN (kgf)	65.2 (6650)		65.2 (6650)
Max. digging depth		mm	4600		4590
Auxiliary circuit	Max. Flow rate	l/min	100 (SP1) / 66.6 (SP2)		100 (SP1) / 66.6 (SP2)
	Hydraulic pressure	MPa (kgf/cm <sup>2</sup> )	20.6 (210)		20.6 (210)
Hydraulic reservoir		l	75		75
Fuel tank capacity		l	115		115
Max. Travelling speed	Low	km/h	2.7		2.7
	High	km/h	4.9		4.9

# For Earth, For Life



The same high standards that you expect from a Kubota machine you can expect from our dealers too.

We work hand in hand with our dealership network so that you receive the best advice and aftersales care. Our dealers can help you find the right machine to best meet your needs and with Kubota trained technicians, ensure your machine provides exceptional performance year after year.

**Your authorised Kubota dealer is:**

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