

SECTION **3E**

EXCAVATORS(UU)

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Wide working range and small swing radius

- **The small swing radius of the work equipment facilitates operations even in confined spaces**
- **Easy side ditching with large offset width**
- **The largest working range in this class**
- **Largest digging force in its class**

Low-noise machine, optimum for work in urban areas

Safe and comfortable operations

- **Smooth swing control**
- **Three-pump hydraulic with independent swing control facilitates simultaneous operation**
- **Superior fine control performance**
- **Cushion cylinders reduce shock**
- **Light control effort for levers and pedals**
- **Simple boom offset operation**
- **One-touch lock for all work equipment levers.**

Excellent durability and easy maintenance

- **Highly evaluated welded assembly type shoes**
- **Automatic air bleeding for fuel system**
- **Dust seals fitted around work equipment pins**
- **In-shoe motor gives neat undercarriage**
- **Full-open hood facilitates inspection and maintenance**

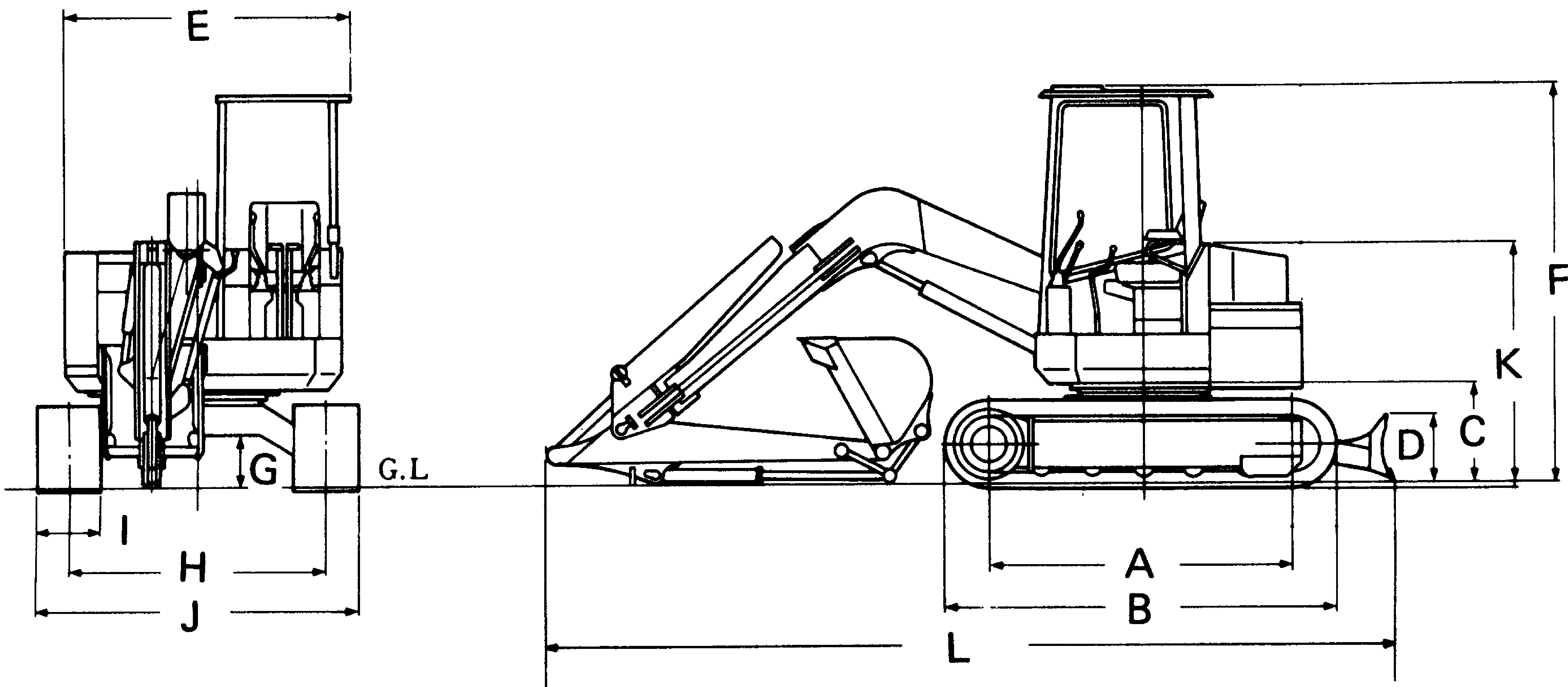
Specifications

EXCAVATORS(UU)

Item		Model	PC28UU – 1	PC50UU – 1
OPERATING WEIGHT		kg(lb)	2980 (6,570)	5180 (11,400)
FLYWHEEL HORSEPOWER (SAE) (DIN)		HP(kW)/RPM PS/RPM	22.7(16.9)/2500 23(16.9)/2500	38.5(28.7)/2500 39(28.7)/2500
BUCKET CAPACITY RANGE (SAE)		m ³ (cu.yd)	0.03~0.10 (0.04) (0.13)	0.055~0.22 (0.07)(0.29)
PERFORMANCE:				
Swing speed		RPM	9.5	9
Max. travel speed		km/h(MPH)	2.0 (1.2)	3.2 (2.0)
DIMENSIONS:				
Overall length (transport)		mm(ft.in)	3790 (12' 5")	5400 (17' 9")
Overall height(transport)			2395 (7'10")	2420 (7'11")
Overall width			1495 (4'11")	2000 (6' 7")
Length of track on ground			1425 (4' 8")	1875 (6' 2")
Track gauge			1150 (3' 9")	1600 (5' 3")
Front Swing radius			790 (2' 7")	990 (3' 3")
Offset width			L:540 (1' 9") R:540 (1' 9")	L:740 (2' 5") R:810 (2' 8")
Tail swing radius			790 (2' 7")	990 (3' 3")
Ground clearance			295 (1')	305 (1' 1")
ENGINE:				
Model		mm (in) ltr.(cu.in)	KOMATSU 3D78	KOMATSU 3D95S
No.of cylinder-borexstroke			3 – 78×86 (3.07") (3.39")	3 – 95×95 (3.74") (3.74")
Piston displacement			1.23 (75)	2.02 (123)
HYDRAULIC SYSTEM:				
Hydraulic pump		ltr.(U.S.Gal)/ min kg/cm ² (PSI)	3 × Gear pumps 66 (17.4)	3 × Gear pumps 95.3 (25.2)
Max.oil flow				
Max.oil pressure			200 (2840)	210 (2990)
TRACK SHOES:				
Width/ground pressure		mm(in) kg/cm ² (PSI)	300 (11.8")/ 0.30 (4.27)	400 (15.7")/ 0.32 (4.55)
CAPACITY(Refilled):				
Fuel tank		ltr.(U.S.Gall)	32 (8.5)	56 (14.8)
Hydraulic oil tank			38 (10.0)	65 (17.2)

Shipping Dimensions

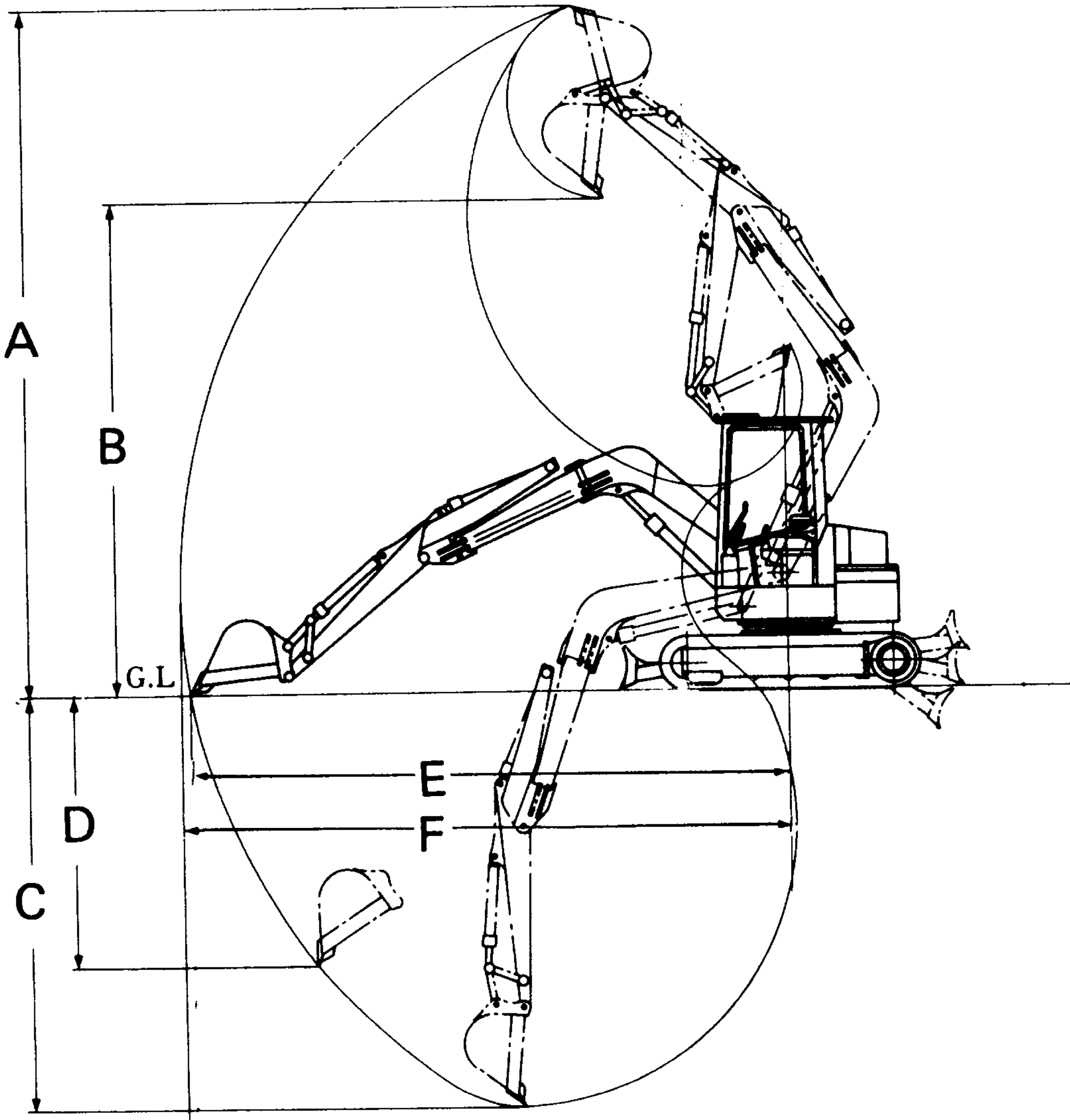
EXCAVATORS(UU)



	A mm (ft.in)	B mm (ft.in)	C mm (ft.in)	D mm (ft.in)	E mm (ft.in)	F mm (ft.in)	G mm (ft.in)	H mm (ft.in)	I mm (in)	J mm (ft.in)	K mm (ft.in)	L mm (ft.in)	Boom length m(ft.in)	Arm length m(ft.in)
PC28UU-1	1425 (4'8")	1915 (6'3")	560 (1'10")	350 (1'2")	1495 (4'11")	2380 (7'9")	295 (11.6)	1150 (3'9")	300 (11.8")	1450 (4'9")	1430 (4'8")	3790 (12'5")	2.43 (8')	1.15 (3'9")
PC50UU-1	1875 (6'2")	2380 (7'10")	590 (1'11")	400 (1'4")	1750 (5'9")	2420 (7'11")	305 (1')	1600 (5'3")	400 (15.7")	2000 (6'7")	1460 (4'9")	5950 (19'6")	3.3 (10'10")	1.62 (5'4")

Working Ranges
 Digging Force

EXCAVATORS(UU)



	Boom length m(ft.in)	Arm length m(ft.in)	A	B	C	D	E	F	Bucket digging force kg(lb/kN)	Arm Crowd force kg(lb/kN)
PC28UU-1	2.43 (8')	1.15 (3'9")	4800 (15'9")	3450 (11'4")	2700 (8'10")	1950 (6'5")	4130 (13'7")	4200 (13'9")	2140 (4,720/21.0)	1420 (3,130/13.9)
PC50UU-1	3.3 (10'10")	1.62 (5'4")	6180 (20'3")	4440 (14'7")	3800 (12'6")	2500 (8'2")	5470 (17'11")	5580 (18'4")	3500 (7,720/34.3)	2000 (4,410/19.6)