

Digging Force (Bucket: 4.45 cu.yd. {3.4m³})

Unit: lbs {kN}

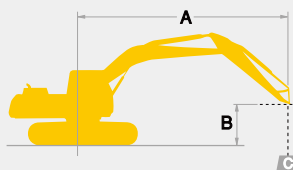
Arm length		7'10" {2.4m}
Bucket digging force	SAE	56,200 {250} 61,600 {274}*
	ISO	62,700 {279} 68,600 {305}*
Arm crowding force	SAE	53,100 {236} 58,000 {258}*
	ISO	55,500 {247} 60,700 {270}*

* Power Boost engaged.

MASS EXCAVATOR FEATURES

- Mass Excavator attachment is purpose-built for volume loading applications
- The shorter boom and arm have larger box sections to handle larger buckets and higher digging forces
- Special heavy duty Mass Excavator attachment provides excellent durability and allows installation of next size larger shear

Lifting Capacities



Rating over front



Rating over side or 90 degrees

A – Reach from swing centerline for bucket hook

B – Arm bucket pin height above/below ground

C – Lifting capacities in pounds

SK500LC		Arm: 7'10" {2.4m} Bucket: Less Counterweight ; 26,900 lbs {12,200 kg} Shoe: 35.4" {900}										HEAVY LIFT
B	A	10' {3.0m}		15' {4.6m}		20' {6.1m}		25' {7.6m}		At Max. Reach		Radius
25' {7.6m}	lb(kg)									*26,720(*12,110)	*26,720(*12,110)	22'10" (6.98m)
20' {6.1m}	lb(kg)					*30,690(*13,920)	*30,690(*13,920)	*28,850(*13,080)	27,060(12,270)	*24,560(*11,140)	*24,560(*11,140)	26'0" (7.93m)
15' {4.6m}	lb(kg)					*34,200(*15,510)	*34,200(*15,510)	*29,800(*13,510)	26,460(12,000)	*23,720(*10,750)	22,360(10,140)	27'10" (8.50m)
10' {3.0m}	lb(kg)					*38,390(*17,410)	34,880(15,820)	*31,660(*14,360)	25,630(11,620)	*23,750(*10,770)	21,010(9,520)	28'9" (8.77m)
5' {1.5m}	lb(kg)					*41,620(*18,870)	33,560(15,220)	*33,310(*15,100)	24,910(11,290)	*24,600(*11,150)	20,750(9,410)	28'9" (8.76m)
G.L.	lb(kg)					*42,810(*19,410)	32,920(14,930)	*33,840(*15,340)	24,540(11,130)	*26,480(*12,010)	21,550(9,770)	27'9" (8.47m)
-5' {-1.5m}	lb(kg)			*54,330(*24,640)	50,030(22,690)	*41,400(*18,770)	32,920(14,930)	*31,890(*14,460)	24,710(11,200)	*29,810(*13,520)	23,800(10,790)	25'10" (7.89m)
-10' {-3.0m}	lb(kg)	*60,570(*27,470)	*60,570(*27,470)	*47,290(*21,450)	*47,290(*21,450)	*35,980(*16,320)	33,640(15,250)			*28,870(*13,090)	28,850(13,080)	22'8" (6.91m)

Notes:

- Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
- Lift capacities are based on machine standing on level, firm, and uniform ground. User must make allowance for job conditions such as soft or uneven ground, out of level conditions, side loads, sudden stopping of loads, hazardous conditions, experience of personnel, etc.
- Arm bucket pin is defined as lift point.
- The above lifting capacities are in compliance with SAE J/ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine. Rules for safe operation of equipment should be adhered to at all times.
- Lift capacities apply to only machines as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

At 90% fill factor, and normal dirt for truck loading applications, for material weighing 2,000 lbs/yd. (1,200 kg/m) we allow 6.0 cu.yd. {4.6 m³} bucket.

At 90% fill factor, and normal dirt for truck loading applications, for material weighing 2,500 lbs/yd. (1,500 kg/m) we allow 5.5 cu.yd. {4.2 m³} bucket.

At 90% fill factor, and normal dirt for truck loading applications, for material weighing 3,000 lbs/yd. (1,800 kg/m) we allow 5.0 cu.yd. {3.8 m³} bucket.

The above recommendations are for truck loading and general digging applications of sand and clay.

Should the application involve rock, blasted rock, or other severe applications, then the bucket size must be reduced by up to 50%.

Note: This catalog may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require.

Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

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