# KOBELCO

# **High & Wide Specifications**



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# KOBELCO CONSTRUCTION MACHINERY CO., LTD.

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SK3001

A new line-up specially equipped for forestry and hilly terrain work has been added to the SK excavator series famous for outstanding productivity and extremely low fuel consumption.

The High & Wide Specification series have the generous ground clearance needed to penetrate sites littered with stumps or rocks.

The extra crawler width ensures excellent stability, contributing to uninterrupted working and greater lifting capacity. Durability is significantly improved with full track guides and larger upper rollers for the crawlers, to prevent de-tracking.

With double grouser shoes used for better grip, these machines are designed to work smoothly over the roughest ground.

#### Productivity

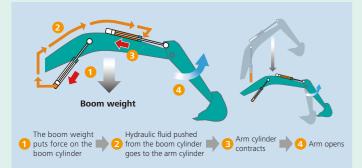
#### **More Power and Higher Efficiency**

The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With nimble movement and outstanding digging power, these excavators improve job productivity.

#### Hydraulic System: Revolutionary Technology Saves Fuel

#### **Arm Interflow System**

When lowering the boom, this system uses the downward force generated by the boom's weight to push fluid to the arm. This greatly reduces the need to apply power from outside the system.





#### Performance

#### **Excellent Stability**

Overall width of crawlers is greater than standard models, for dependable stability and improved lifting capacity.





#### Generous Ground Clearance

Travel is unhampered on forestry sites and in hilly terrain strewn with stumps and rocks.



#### Durability



The crawlers are designed to provide unbeatable durability to take on the harshest terrain. They feature full track guides to eliminate de-tracking concerns, a reinforced guide frame built to withstand heavy impact, and large, double-support, outer flanged upper rollers unfazed by powerful vibrations.





2 Large, double-support, outer flanged upper rollers



3 Full track guide

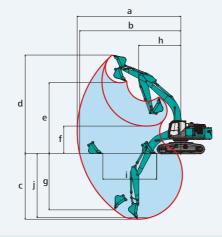
# **Specifications**

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MODEL (High & Wide	Specs)		SK210LC	SK260LC			
PERFORMANCE							
Bucket Capacity (ISO h	eaped)	m³	0.8	1.0			
Swing Speed		min <sup>-1</sup>	13.3	10.8			
Travel Speed (high/low	)	km/h	5.5/3.4	5.8/3.6			
Gradeability		% (degree)	70 (35)	70 (35)			
Bucket Digging Force		kN	143/157*	170/187*			
Arm Crowding Force		kN	102/112*	122/134*			
Drawbar Pulling Force		kN	228	230			
ENGINE							
Model			HINO J05ETA-KSSE	HINO J05ETB-KSSF			
Туре			Direct injection, water-cooled, 4-cycle, 4-cylinder				
туре			diesel engine with in	diesel engine with intercooler turbo-charger			
Power Output	(ISO 9249)	kW/min <sup>-1</sup>	114/2,000	132/2,100			
	(ISO 14396)	kW/min <sup>-1</sup>	118/2,000	137/2,100			
Max.Torque	(ISO 9249)	N∙m/min <sup>-1</sup>	569/1,600	639/1,600			
Max. Torque	(ISO 14396)	N∙m/min <sup>-1</sup>	592/1,600	654/1,600			
Displacement		L	5.123	5.123			
Fuel Tank		L	320	403			
HYDRAULIC SYSTEM							
Pump			Two variable displacement	t pumps + One gear pump			
Max. Discharge Flow		I/min	220 x 2, 20 x 1	245 x 2, 21 x 1			
Max. Discharge How		Dimin	Extra gear pump 1 x 44	Extra gear pump 1 x 46			
Relief Valve Setting	(main)/{Power	Boost} MPa	34.3/{37.8} 34.3/{37.8}				
Swing Motor			Axial pis	ston motor			
Travel Motors			2 x axial-piston, two-step motors				
Hydraulic Oil Tank (syst	em)	L	140 (244)	165 (273)			

## Working Ranges

tronking hanges		Unit: m
MODEL (High & Wide Specs)	SK210LC	SK260LC
Boom	6.02 m	6.02 m
Arm	Standard 2.94 m	Standard 2.98 m
a- Max. digging reach	9.9	10.3
b- Max. digging reach at ground level	9.66	10.07
c- Max. digging depth	6.36	6.66
d- Max. digging height	10.07	10.13
e- Max. dumping clearance	7.25	7.22
f- Min. dumping clearance	2.78	2.89
g- Max. vertical wall digging depth	5.76	5.81
h- Min. swing radius	3.55	3.91
i- Horizontal digging stroke at ground level	5.33	5.31
j- Digging depth for 2.4 m (8') flat bottom	6.18	6.48
Bucket capacity ISO heaped m <sup>3</sup>	0.8	1.0

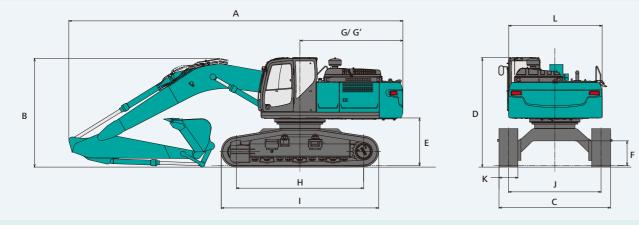


## **General Dimensions**

MC	DDEL (High & Wide Specs)	SK210LC	SK260LC		
Arr	n length	2.94 m	2.98 m		
А	Overall length	9,450	10,090		
В	Overall height (to top of boom)	3,170	3,310		
С	Overall width	3,240	3,450		
D	Overall height (to top of cab)	3,370	0 3,380		
Е	Ground clearance of rear end*	1,410	1,430		
F	Ground clearance*	775	780		

			Unit: mm
ì	Tail swing radius	2,910	3,100
ì'	Distance from center of swing to rear end	2,900	3,070
ł	Tumbler distance	3,690	3,790
	Overall length of crawler	4,580	4,660
	Track gauge	2,640	2,850
5	Shoe Width	600	600
	Overall width of upperstructure	2,710	2,980

\*Without including height of shoe lug.



\*Power Boost engaged

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## **Operating Weight & Ground Pressure**

	SK210LC High & Wide Spec.		SK260LC High & Wide Spec.				
Operating Weight	Ground Pressure	Shoe Width	Operating Weight	Ground Pressure	Shoe Width		
kg	kPa	mm	kg	kPa	mm		
25,100	51	600 DG*1	29,000	58	600 DG*1		
24,700	51	600 TG*2	28,600	57	600 TG*2		
25,300	45	700 DG*1	29,200	50	700 DG*1		
25,000	44	700 TG*2	28,900	49	700 TG*2		

\*1 DG: Double grouser shoe \*2 TG: Triple grouser shoe

# **Lifting Capacities**



SK210LC		Standard Arm: 2.94 m Bucket: without Shoe: 600 mm Double grouser shoe (High & Wide Specs)											HEAVY LIFT	
		1.!	5 m	3.0	) m	4.5	5 m	6.0	) m	7.5	5 m	At Max	. Reach	
		4	<b>—</b> —	4	₫—	4	<b></b>	4	₫—	4	<b>-</b>	4	<b>—</b> —	Radius
7.5 m	kg							*5,890	*5,890			*4,180	*4,180	6.56 m
6.0 m	kg							*5,990	*5,990	*4,220	*4,220	*3,930	*3,930	7.54 m
4.5 m	kg					*7,890	*7,890	*6,620	6,380	*6,000	4,500	*3,880	*3,880	8.14 m
3.0 m	kg					*9,820	9,340	*7,510	6,090	6,160	4,370	*3,990	3,660	8.42 m
1.5 m	kg					*11,340	8,800	*8,300	5,820	6,020	4,240	*4,270	3,590	8.43 m
G.L.	kg			*7,310	*7,310	*11,890	8,540	8,220	5,650	5,930	4,150	*4,770	3,710	8.16 m
-1.5 m	kg	*7,820	*7,820	*12,370	*12,370	*11,520	8,490	8,160	5,600	5,930	4,160	*5,690	4,090	7.59 m
-3.0 m	kg	*13,050	*13,050	*14,010	*14,010	*10,160	8,610	*7,470	5,680			*6,330	4,990	6.63 m
-4.5 m	kg			*9,640	*9,640	*6,970	*6,970					*5,770	*5,770	5.07 m

SK260L0	2	Standar	d Arm: 2.9	8 m Bucke	t: without	Shoe: 600 r	mm Double	grouser sh	oe (High &	Wide Spec				HEAVY LIFT
		1.	5 m	3.	0 m	4.	5 m	6.0	0 m	7.	5 m	At Max	. Reach	
			₫-	H	₩-		₫		₩-				<b></b>	Radius
7.5 m	kg											*4,860	*4,860	6.98 m
6.0 m	kg							*5,970	*5,970	*5,920	*5,920	*4,650	*4,650	7.91 m
4.5 m	kg					*8,210	*8,210	*6,870	*6,870	*6,260	5,860	*4,660	*4,660	8.48 m
3.0 m	kg					*10,690	*10,690	*8,040	7,860	*6,840	5,660	*4,830	4,480	8.75 m
1.5 m	kg					*12,660	11,350	*9,140	7,500	7,370	5,470	*5,190	4,390	8.76 m
G. L.	kg			*7,190	*7,190	*13,570	11,040	*9,870	7,270	7,230	5,350	*5,810	4,510	8.50 m
-1.5 m	kg	*8,710	*8,710	*13,020	*13,020	*13,580	10,990	9,940	7,190	7,200	5,310	6,640	4,930	7.95 m
-3.0 m	kg	*14,430	*14,430	*18,010	*18,010	*12,740	11,130	*9,530	7,270			*7,750	5,870	7.05 m
-4.5 m	kg			*14,700	*14,700	*10,570	*10,570					*8,110	*8,110	5.61 m

Notes:

 Do not attempt to lift or hold any load that is greater than these lifting capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lifting capacities.

Lifting capacities.
Lifting 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 top defined as lift point.

A – Reach from swing centerline for arm top B – Arm top height above/below ground C – Lifting capacities in kilograms \* Max. discharge pressure: 37.8 MPa

The above lifting capacities are in compliance with 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.
Lifting capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

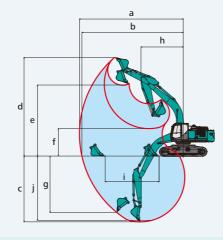
# **Specifications**

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•						
MODEL (High & Wide	e Specs)		SK300LC	SK350LC		
PERFORMANCE						
Bucket Capacity (ISO h	eaped)	m³	1.2	1.4		
Swing Speed		min <sup>-1</sup>	10.3	10.0		
Travel Speed (high/low	)	km/h	5.2/3.1	5.8/3.6		
Gradeability		% (degree)	70 (35)	70 (35)		
Bucket Digging Force		kN	188/208*	222/244*		
Arm Crowding Force		kN	126/139*	163/180*		
Drawbar Pulling Force		kN	320	310		
ENGINE						
Model			HINO J08ETM-KSDQ	HINO J08ETM-KSDL		
Туре			Direct injection, water-cooled, 4-cycle, 6-cylinder diesel engine with intercooler turbo-charger			
	(ISO 9249)	kW/min <sup>-1</sup>	173/2,100	197/2,100		
Power Output	(ISO 14396)	kW/min <sup>-1</sup>	185/2,100	209/2,100		
	(ISO 9249)	N₁m/min⁻¹	966/1,600	969/1,600		
Max.Torque	(ISO 14396)	N∙m/min <sup>-1</sup>	998/1,600	998/1,600		
Displacement		L	7.684	7.684		
Fuel Tank		L	503 503			
HYDRAULIC SYSTEM						
Pump			Two variable displacemen	t pumps + One gear pump		
Mary Discharge Flags		L dan in	245 x 2, 21 x 1	294 x 2, 21 x 1		
Max. Discharge Flow L/min		Extra gear pump 1 x 43				
Relief Valve Setting	(main)/{Power	Boost} MPa	34.3/{37.8}	34.3/{37.8}		
Swing Motor			Axial pis	ston motor		
Travel Motors			2 x axial-piston,	two-step motors		
Hydraulic Oil Tank (syst	tem)	L	245 (410)	245 (410)		

## Working Ranges

Working hanges		Unit: m
MODEL (High & Wide Specs)	SK300LC	SK350LC
Boom	6.20 m	6.50 m
Arm	Standard 3.10 m	Standard 3.30 m
a- Max. digging reach	10.87	11.26
b- Max. digging reach at ground level	10.61	11
c- Max. digging depth	6.89	7.24
d- Max. digging height	10.32	10.9
e- Max. dumping clearance	7.42	7.68
f- Min. dumping clearance	2.87	2.94
g- Max. vertical wall digging depth	5.91	6.29
h- Min. swing radius	4.43	4.31
i- Horizontal digging stroke at ground level	5.64	5.87
j- Digging depth for 2.4 m (8') flat bottom	6.73	7.08
Bucket capacity ISO heaped m <sup>3</sup>	1.2	1.4

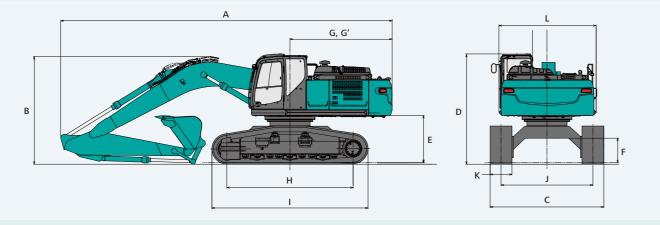


### **General Dimensions**

M	DDEL (High & Wide Specs)	SK300LC	SK350LC
Arı	n length	3.10 m	3.30 m
А	Overall length	10,620	11,170
В	Overall height (to top of boom)	3,450	3,460
С	Overall width	3,650	3,650
D	Overall height (to top of cab)	3,480	3,480
Е	Ground clearance of rear end*	1,510	1,510
F	Ground clearance*	785	785

			Unit: mm
ì	Tail swing radius	3,300	3,600
i'	Distance from center of swing to rear end	3,270	3,600
ł	Tumbler distance	4,050	4,050
	Overall length of crawler	5,010	5,010
	Track gauge	2,950	2,950
(	Shoe Width	600	600
	Overall width of upperstructure	2,980	2,980

\*Without including height of shoe lug.



\*Power Boost engaged

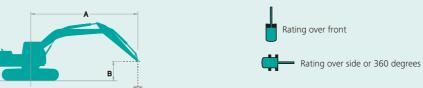
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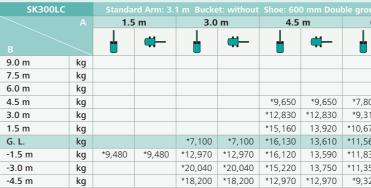
## **Operating Weight & Ground Pressure**

	SK300LC High & Wide Spec.		SK350LC High & Wide Spec.				
Operating Weight			Shoe Operating Width Weight	Ground Pressure	Shoe Width		
kg	kPa	mm	kg	kPa	mm		
34,100	64	600 DG*1	38,600	72	600 DG*1		
33,800	63	600 TG*2	38,300	71	600 TG*2		
34,600	55	700 DG*1	39,100	62	700 DG*1		
34,200	55	700 TG*2	38,700	62	700 TG*2		

\*1 DG: Double grouser shoe  $\hfill \hfill \$ 

# **Lifting Capacities**





SK360	LC	Standa	Standard Arm: 3.3 m Bucket: without Shoe: 600 mm Double grouser shoe (High & Wide Specs) HEAVY LIFT													
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		
			₩-	ł	<b>-</b>	L	₩-	L	₫-		<b></b>	ł	╃–	ł	<b>-</b>	Radius
9.0 m	kg													*6,210	*6,210	6.90 m
7.5 m	kg									*7,770	*7,770			*5,780	*5,780	8.08 m
6.0 m	kg									*8,020	*8,020			*5,630	*5,630	8.86 m
4.5 m	kg					*12,740	*12,740	*10,020	*10,020	*8,640	*8,640	*7,900	6,650	*5,680	*5,680	9.33 m
3.0 m	kg					*15,680	*15,680	*11,460	*11,460	*9,390	8,490	*8,220	6,480	*5,900	*5,900	9.54 m
1.5 m	kg					*17,560	16,940	*12,630	11,170	*10,060	8,170	*8,520	6,320	*6,320	5,830	9.52 m
G. L.	kg			*9,920	*9,920	*18,030	16,540	*13,220	10,830	*10,430	7,960	8,530	6,220	*7,030	6,000	9.24 m
-1.5 m	kg	*12,450	*12,450	*17,060	*17,060	*17,450	16,500	*13,120	10,710	*10,320	7,880			*8,220	6,490	8.71 m
-3.0 m	kg	*19,090	*19,090	*21,480	*21,480	*15,900	*15,900	*12,160	10,800	*9,320	7,980			*8,630	7,540	7.85 m
-4.5 m	kg			*16,900	*16,900	*12,920	*12,920	*9,680	*9,680					*8,420	*8,420	6.54 m

#### Notes:

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lifting capacities.

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Arm top defined as lift point.

A – Reach from swing centerline for arm top B – Arm top height above/below ground C – Lifting capacities in kilograms \* Max. discharge pressure: 37.8 MPa

Duser shoe (High & Wide Specs)												
6.0	m	7.5	m	9.0	m	At Max						
J	₫-	L	₩-	L	₫—	ł	₫-	Radius				
						*4,660	*4,660	6.38 m				
		*5,430	*5,430			*4,200	*4,200	7.68 m				
		*6,390	*6,390			*4,030	*4,030	8.53 m				
800	*7,800	*6,960	*6,960	*4,410	*4,410	*4,020	*4,020	9.04 m				
310	*9,310	*7,750	6,930	*6,600	5,280	*4,150	*4,150	9.27 m				
670	9,160	*8,530	6,690	*7,130	5,170	*4,430	*4,430	9.25 m				
560	8,900	*9,100	6,530			*4,910	*4,910	8.98 m				
830	8,820	9,180	6,480			*5,770	5,570	8.43 m				
350	8,900	*8,210	6,600			*7,430	6,560	7.53 m				
320	9,230					*8,950	8,950	6.14 m				

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