

SK180 SK180_{LC}

SK180-10 SK180LC-10

■ Bucket Capacity:

0.63 m³

■ Engine Power:

100 kW/2,000 min⁻¹

Operating Weight:

18,800 – 21,100 kg



Power Meets Efficiency



SK180 SK180LC





Efficient Performance!

Top-Class Powerful Digging

The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With nimble movement and outstanding digging power, this excavator improves job productivity.

Hydraulic System: Revolutionary Technology Saves Fuel

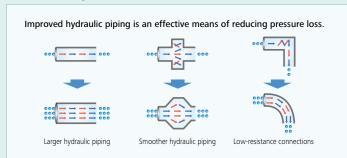
ECO-mode: Engineered for Economy

Kobelco's ECO-mode maximizes the operating efficiency of the engine and other components to achieve much greater fuel efficiency. Just press a button to choose the operation mode best suited to the task at hand and the working conditions.

- Optimal operation with three modes
- H-mode • Maximum power for maximum productivity on your toughest jobs
- S-mode • Ideal balance of productivity and fuel efficiency for a range of urban engineering projects
- ECO-mode • Minimum fuel consumption for utility projects and other work that demands precision

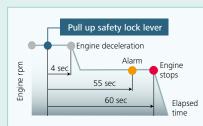
Hydraulic Circuit Reduces Energy Loss

We have made every effort to enhance fuel efficiency by minimizing hydraulic pressure resistance, improving the hydraulic line layout to control friction resistance loss and minimizing valve resistance.



AIS (Auto Idle Stop)

If the safety lock lever is left up, the engine will stop automatically. This eliminates wasteful idling during standby, saving fuel and reducing CO₂ emissions as well.





Engine

Reduces Fuel Consumption and Minimizes Exhaust Emissions

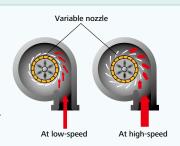
Hino engines are renowned for fuel efficiency and environmental performance, and Kobelco has tuned these power plants especially for construction machinery

The pressure within the common rail fuel injection system, the VG turbo, and the exhaust gas after-treatment system reduce exhaust PM*1 while the large-capacity EGR cooler sharply reduces the formation of NOx gases.



VG Turbo Reduces PM

The variable-geometry turbocharger adjusts air intake to maximize combustion efficiency. At low engine speeds the nozzles are closed, the turbo speed increased and air intake is boosted. This helps lower fuel consumption.

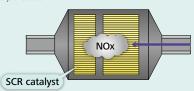


SCR*2 System with DEF/Urea VEW



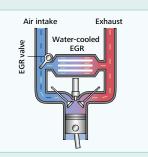
The engine exhaust system has an SCR system that converts NOx emissions into harmless nitrogen and water. Combining this with a post-exhaust gas treatment system that captures and disposes of PM.

*2 SCR: Selective Catalytic Reduction



EGR Cooler Reduces NOx

While ensuring sufficient oxygen for combustion, cooled emission gases are mixed with the air intake and re-circulated into the engine. The lowered oxygen temperature lowers the combustion temperature and increases combustion efficiency.



More Power and Higher Efficiency.

The highly efficient hydraulic system minimizes fuel consumption while maximizing power. With nimble movement and ample digging power, this excavator promises to improve your job productivity.

Improved Fuel Efficiency Contributes to High Performance

Superior Digging Volume

Powerful digging force delivers outstanding performance.

■ Max. Bucket Digging Force

114kN

With power boost: 126kN

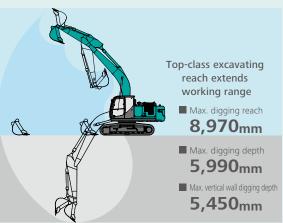
Max. Arm Crowding Force

Normal: 82.3kN

With power boost: 90.6kN



Get More Done Faster with Superior Operability



*Values are for STD arm (2.6 m)

Piping for Quick Hitch



A quick hitch hydraulic line, which speeds up attachment changes, is equipped as standard.

A Light Touch on the Lever Means Smoother, Less Tiring Work



It takes 25% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.



Top Class Traveling Force

Powerful traveling force and drawbar pulling force deliver plenty of speed when climbing slopes or negotiating bad roads, and the agility to change direction swiftly and smoothly.

■ Drawbar Pulling Force: 231kN

Operator-friendly Features Include Controls that Are Easy to See, Easy to Use



Multi-Display in Color

Brilliant colors and graphic displays are easy to recognize on the LCD multi-display in the console. The display shows fuel consumption, maintenance intervals, and more.

- 1 Analog gauge provides an intuitive reading of fuel level and engine water temperature
- Green indicator light shows low fuel consumption during operation
- 3 PM accumulation display (left)/Urea level gauge (right)
- 4 Fuel consumption
- **6** Digging mode switch
- 6 Monitor display switch



PM accumulation/ Urea accumulation display



Fuel consumption



Maintenance



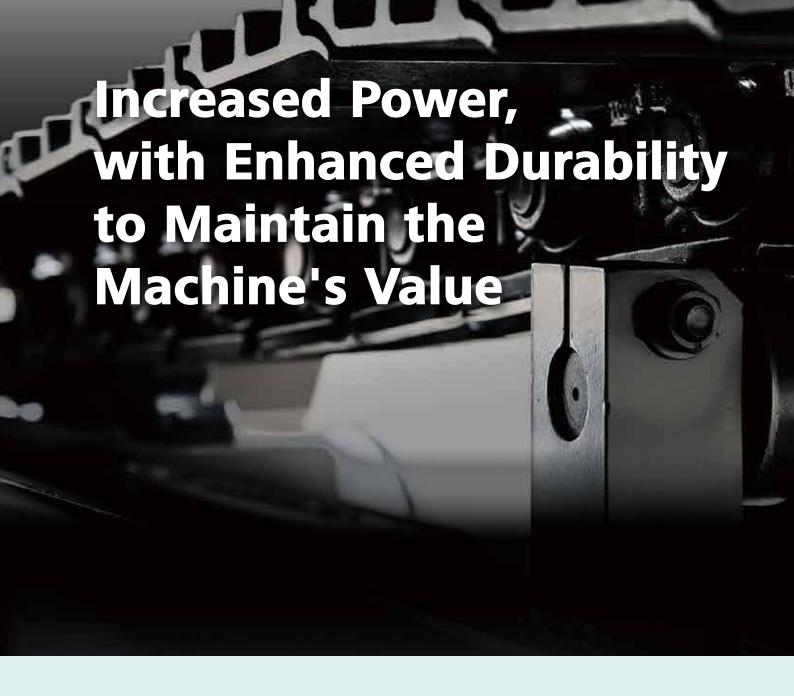
Breaker mode



libbler mode

One-Touch Attachment Mode Switch

A simple flick of a switch converts the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.



Improved Filtration System Reliability

Clean, contaminant-free fuel and hydraulic fluid are essential to stable performance. The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

Hydraulic Fluid Filter Web

Recognized as the best in the industry, our premium-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.



Hydraulic Fluid Filter Clog Detector

Pressure sensors at the inlet and outlet of the hydraulic fluid filter monitor differences in pressure to determine the degree of clogging If the difference in pressure exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be removed from the filter before it reaches the hydraulic fluid reservoir.





Double-Element **WEW** Air Cleaner

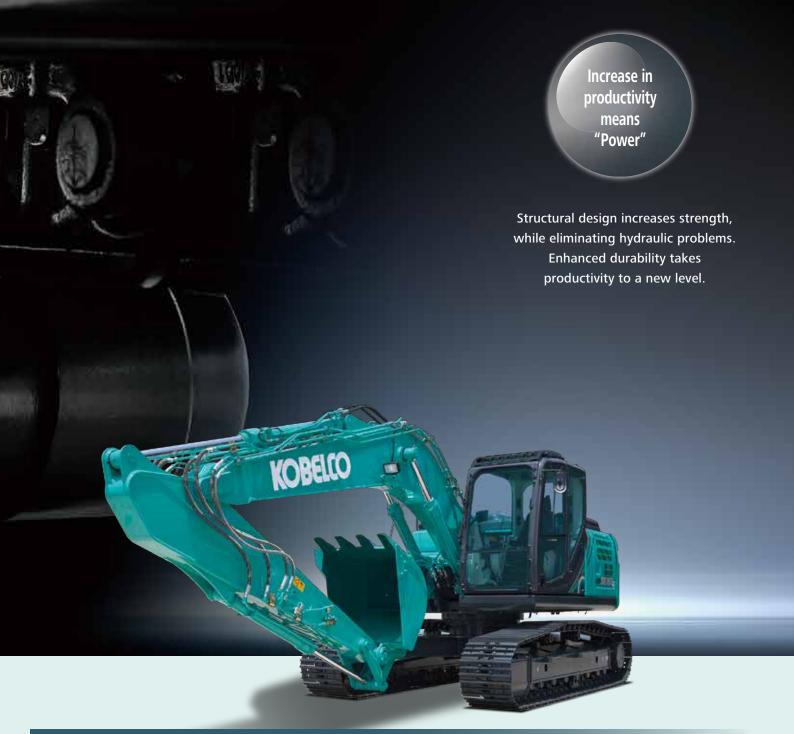
The large-capacity element features a double-filter structure that keeps the engine running clean even in industrial environments.



Fuel Filter

The pre-filter, with built-in water separator, is a new addition that features a final stage to maximize filtering performance.





Built to Operate in Tough Working Environments

500 Hour Attachment Lubrication Interval

The self-lubrication bushings are used at the attachment pins and the bushings with high abrasion resistant property are used at the pins around the bucket. The lubrication cycle of the lubrication points around the bucket is 250 hours and that of other lubrication points is 500 hours.



*Additionally the two piece bucket bushings protect the side of the arm from contact and then wear from the bucket ears. Should the bucket bushings need replacement, they can be replaced separately from the larger main bushing, reducing costs.

Reliable Construction

Forged and cast components are used throughout. Under-side of arm reinforced with a rock guard to prevent damage to arm. Track guides help prevent the crawlers from coming off the rollers.





Comfortable Cab is Now Safer than Ever.



Comfort

Super-Airtight Cab



The high level of air-tightness keeps dust out of the cab.

Quiet Inside

The high level of air-tightness ensures a quiet, comfortable cabin interior.

Low Vibration

Coil springs absorb small vibrations, and high suspension mounts filled with silicone oil reduce heavy vibration. The long stroke achieved by this system provides excellent protection from vibration.



Broad View Liberates the Operator

The front window features one large piece of glass without a center pillar on the right side for a wide, unobstructed view.

Air Conditioner Register behind the Seat



The large air-conditioner has registers on the back pillars that blow from behind and to the right and left of the operator's seat. They can be adjusted to put a direct flow of cool/warm air on the operator, which means a more comfortable operating environment.



Large Cab Is Easy to Get In and Out of

The expanded cab provides plenty of room for a large door, more headroom and smoother entry and exit.

More Comfortable Seat Means Higher Productivity







Interior Equipment Adds to Comfort and Convenience









Safety

ROPS Cab

ROPS (Roll-Over-Protective Structure)-compliant cab clears ISO standards (ISO-12117-2: 2008) and ensures greater safety for the operator should the machine tip over.





TOP Guard is fitted as standard.



Expanded Field of View for Greater Safety





A rear view camera is installed as standard to simplify checking for safety behind the machine. The picture appears on the color monitor.



Greater safety assured by rearview mirror.



Rear view shows the area directly behind the cab



GEOSCAN

Excavator Remote Monitoring System



Direct Access to Operational Status

Location Data

• Accurate location data can be obtained even from sites where communications are difficult.



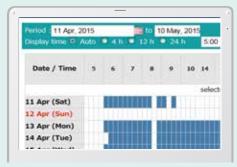




Latest location Location records

Operating Hours

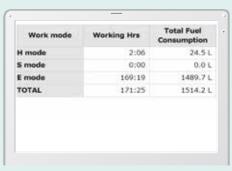
- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel Consumption Data

• Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.



Fuel consumption

Graph of Work Content

•The graph shows how working hours are divided among different operating categories, including digging, idling, traveling and optional operations.



Work status

Maintenance Data and Warning Alerts

Machine Maintenance Data

- Provides maintenance status of separate machines operating at multiple sites.
- Maintenance data is also relayed to KOBELCO service personnel, for more efficient planning of periodic servicing.

Model	Serial No.	Hour Meter	Engine Oil
SK135SRLC- 3/SK140SRL	YH07-09721 0.38/0.35	734 Hr	434
SK135SRLC- 3/SK1405RL	9H07-09789 0.38/0.35	73 Hr	429
SK210LC-9	Y013-10454 0.8/0.7	960 Hr	58
SK210LC-9	Y013-10461 0.8/0.7	549 Hr	498
5K755R-	YT08-30374		

Maintenance

Warning Alerts

•This system warns an alert if an anomaly is sensed, preventing damage that could result in machine downtime.

Alarm Information Can Be Received through E-mail

• Alarm information or maintenance notice can be received through E-mail, using a computer or cell phone.



Daily/Monthly Reports

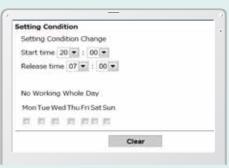
• Operational data downloaded onto a computer helps in formulating daily and monthly reports.

Alarm messages can be received on mobile device.

Security System

Engine Start Alarm

•The system can be set an alarm if the machine is operated outside designated time.



Engine start alarm outside prescribed work time

Area Alarm

• It can be set an alarm if the machine is moved out of its designated area to another location.



Alarm for outside of reset area



Easy, On-the-Spot Maintenance

There is ample space in the engine compartment for a mechanic to do maintenance work inside. The distance between steps is lower so entry and exit is easier. And the mechanic can work in comfort, without contortions or unnatural body positions. Finally, the hood is lighter and easier to raise and lower.





Positioned where the step opens.

Maintenance Work, Daily Checks, Etc., Can Be Done from Ground Level

The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.











Laid out for easy access to radiator and cooling system elements

- 1 Fuel filter with built-in water separator
- 2 Pre-fuel filter with built-in water separator
- 3 Engine oil filter

Efficient Maintenance Keeps the Machine in Peak Operating Condition.



More Efficient Maintenance Inside the Cab



More finely differentiated fuses make it easier to locate malfunctions.



Internal and external air conditioner filters can be easily removed without tools for cleaning.

Easy Cleaning



Special crawler frame design is easily cleaned of mud.



Detachable two-piece floor mat with handles for easy removal. A floor drain is located under floor mat.



Engine oil pan equipped with drain valve.



Long-Interval Maintenance

Long-life hydraulic oil reduces cost and labor.

Replacement cycle:
1,000 hours

Highly Durable Premium-fine Filter

The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability.



Specifications



Engine

Model	J05EVA-KSDL	
Туре	Direct injection, water-cooled, 4-cycle diesel engine with intercooler, turbocharger	
No. of cylinders	4	
Bore and stroke	112 mm x 130 mm	
Displacement	5.123 L	
Pated nower output	95 kW/2,000 min ⁻¹ (ISO 9249)	
Rated power output	100 kW/2,000 min ⁻¹ (ISO14396)	
May targue	482 N·m/1,600 min ⁻¹ (ISO 9249)	
Max. torque	502 N·m/1,600 min⁻¹ (ISO 14396)	



Travel motors		2 × Axial piston , two speed motors	
Travel brakes		Hydraulic brake per motor	
Parking brakes		Oil disc brake per motors	
SK180		45 each side	
Travel shoes	SK180LC	49 each side	
Travel speed		4.7/2.8 km/h	
Drawbar pulling force		231 kN (ISO 7464)	
Gradeability		70 % {35 deg}	



Hydraulic System

Pump		
Туре	Two variable displacement pumps + One gear pump	
Max. discharge flow	2 × 160 L/min, 1 x 20 L/min	
Extra gear pump	1 x 44 L/min	
Relief valve setting		
Boom, arm and bucket	34.3 MPa	
Power Boost	37.8 MPa	
Travel circuit	34.3 MPa	
Swing circuit	28.0 MPa	
Control circuit	5.0 MPa	
Pilot control pump	Gear type	
Main control valves 8-spool		
Oil cooler	Air cooled type	



Cab & Control

All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.

Two hand levers and two foot pedals for travel
Two hand levers for excavating and swing
Electric rotary-type engine throttle



Boom, Arm & Bucket

Boom cylinder	110 mm x 1,156 mm
Arm cylinder	125 mm x 1,285 mm
Bucket cylinder	105 mm x 1,025 mm



Swing System

Swing motor	Axial piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	12.3 min ⁻¹
Swing torque	52.6 kN⋅m



Refilling Capacities & Lubrications

Fuel tank	280 L	
Cooling system	19 L	
Engine oil	20.5 L	
Travel reduction gear	2 × 5.0 L	
Swing reduction gear	2.7 L	
Hydraulic oil tank	122 L tank oil level	
Tryuraunc on tank	200 L hydraulic system	
DEF/Urea tank	33.9 L	



Attachments

Backhoe bucket and combination

Sacrifice sucher and combination				
Туре		Backhoe bucket		
Bucket capacity	ISO heaped m ³	0.63		
Opening width	With side cutter mm	1,075		
	Without side cutter mm	975		
Bucket weight kg		500		
Combination	2.6 m standard arm	©		
	3.1 m long arm	©		



Working Ranges

Unit: m

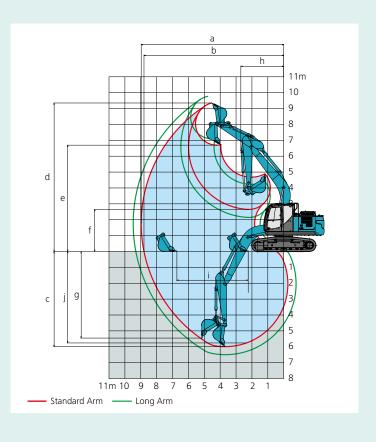
Boom	5.2 m		
Arm length	Standard 2.6 m	Long 3.1 m	
a- Max. digging reach	8.97	9.49	
b- Max. digging reach at ground level	8.80	9.32	
c- Max. digging depth	5.99	6.49	
d- Max. digging height	9.35	9.77	
e- Max. dumping clearance	6.70	7.10	
f- Min. dumping clearance	2.65	2.15	
g- Max. vertical wall digging depth	5.45	5.95	
h- Min. swing radius	2.71	2.74	
i- Horizontal digging stroke at ground level	4.49	5.35	
j- Digging depth for 8' (2.4 m) flat bottom	5.76	6.31	
Bucket capacity (ISO heaped)	0.63 m³	0.63 m³	

Digging Force (ISO 6015)

Unit: kN

Boom	5.2 m		
Arm length	Standard 2.6 m	Long 3.1 m	
Bucket digging force	114	114	
Bucket digging force	126*	126*	
Arm crowding force	82.3	71.7	
Arm crowding force	90.6*	78.8*	

*Power Boost engaged.

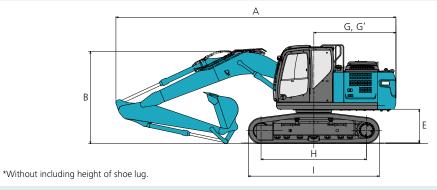


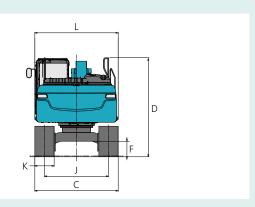


Dimensions

Arm length		Standard 2.6 m	Long 3.1 m	
Α	Overall length		8,700	8,710
В	Overall height (to top of boom)		2,960	3,080
c	Overall width of crawler	SK180	2,490	
	Overall width of clawler	SK180LC	2,800	
D	Overall height (to top of hand rail)		3,080	
Ε	Ground clearance of rear end*		1,050	
F	Ground clearance*		460	
G	Tail swing radius		2,550	
G'	Distance from center of swing to rear end		2,550	

			Unit: mm
н	Tumbler distance	SK180	3,280
	rumbler distance	SK180LC	3,660
1	Overall length of crawler	SK180	4,070
•	Overall length of crawler	SK180LC	4,450
	Track gauge	SK180	1,990
,	Track gauge	SK180LC	2,200
V	Shoe width	SK180	500
K	Shoe width	SK180LC	600
L	Overall width of upperstructure	re	2,490

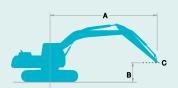




Operating Weight & Ground PressureIn standard trim, with standard boom, 2.6m arm, and 0.63 m³ ISO heaped bucket

Shaped				Triple grouser sh	oes (even height)	
Shoe width		mm	500	600	700	790
Overall width of crawler	SK180	mm	2,490	2,590	2,690	2,780
Overall width of Crawler	SK180LC	mm	_	2,800	2,900	2,990
Cround prossure	SK180	kPa	52	44	38	34
Ground pressure	SK180LC	kPa	_	41	36	32
Operating weight	SK180	kg	18,800	19,000	19,400	19,600
	SK180LC	kg	_	19,600	20,000	20,200

Lift Capacities





A – Reach from swing centerline to arm top

B – Arm top height above/below ground

C – Lift point

* Max. discharge pressure: 37.8 MPa

SK180)	Standar	d Arm: 2.6	m Bucket:	without S	hoe: 500 m	nm	_	_	_	_	_	Н	EAVY LIFT
	А	1.	5 m	3.0	0 m	4.	5 m	6.0	0 m	7.!	5 m	At Max	. Reach	
В				1	-	1		<u> </u>					—	Radius
7.5 m	kg					*4,320	*4,320					*3,100	*3,100	4.96 m
6.0 m	kg							*3,930	3,760			*2,770	*2,770	6.32 m
4.5 m	kg					*5,430	*5,430	*4,750	3,680			*2,700	*2,700	7.11 m
3.0 m	kg			*10,260	9,740	*6,600	5,350	*5,220	3,520	*2,930	2,490	*2,770	2,480	7.52 m
1.5 m	kg					*7,670	4,960	5,450	3,340	*3,840	2,420	*2,990	2,370	7.61 m
G. L.	kg			*7,330	*7,330	*8,100	4,740	5,310	3,210			*3,400	2,410	7.40 m
-1.5 m	kg	*7,010	*7,010	*11,130	8,650	*7,790	4,690	5,260	3,170			*4,220	2,670	6.86 m
-3.0 m	kg	*11,550	*11,550	*9,160	8,840	*6,620	4,760					*4,670	3,330	5.89 m
-4.5 m	kg			*5,500	*5,500							*3,960	*3,960	4.21 m

SK180		Long Ar	m: 3.1 m E	Bucket: with	rithout Shoe: 500 mm									
	Α	1.!	5 m	3.0) m	4.!	5 m	6.0	0 m	7.5	5 m	At Max	. Reach	
В		<u> </u>		1		<u> </u>	—	1			-	<u> </u>		Radius
7.5 m	kg											*2,260	*2,260	5.73 m
6.0 m	kg							*3,910	3,820			*2,040	*2,040	6.93 m
4.5 m	kg					*4,870	*4,870	*4,370	3,720	*2,630	2,560	*1,970	*1,970	7.66 m
3.0 m	kg			*8,960	*8,960	*6,070	5,450	*4,900	3,540	*3,950	2,490	*2,000	*2,000	8.04 m
1.5 m	kg			*7,790	*7,790	*7,290	5,010	5,460	3,340	3,890	2,400	*2,130	2,120	8.13 m
G. L.	kg			*7,550	*7,550	*7,960	4,730	5,280	3,180	3,810	2,330	*2,370	2,150	7.93 m
-1.5 m	kg	*6,000	*6,000	*10,460	8,510	*7,900	4,620	5,200	3,110			*2,830	2,340	7.43 m
-3.0 m	kg	*9,530	*9,530	*10,060	8,650	*7,060	4,650	*5,070	3,140			*3,790	2,810	6.55 m
-4.5 m	kg			*7,050	*7,050	*4,910	4,850					*3,980	*3,980	5.09 m

SK180LC		Standar	d Arm: 2.6	m Bucket:	without S	hoe: 600 mm HEAVY LIFT									
	Α	1.	5 m	3.	0 m	4.5 m		6.0	0 m	7.5 m		At Max	. Reach		
В		<u> </u>		1		<u> </u>		ŀ		<u> </u>	-	<u> </u>		Radius	
7.5 m	kg					*4,320	*4,320					*3,100	*3,100	4.96 m	
6.0 m	kg							*3,930	*3,930			*2,770	*2,770	6.32 m	
4.5 m	kg					*5,430	*5,430	*4,750	4,190			*2,700	*2,700	7.11 m	
3.0 m	kg			*10,260	*10,260	*6,600	6,150	*5,220	4,020	*2,930	2,860	*2,770	*2,770	7.52 m	
1.5 m	kg					*7,670	5,750	*5,700	3,840	*3,840	2,790	*2,990	2,730	7.61 m	
G. L.	kg			*7,330	*7,330	*8,100	5,520	*5,940	3,710			*3,400	2,790	7.40 m	
-1.5 m	kg	*7,010	*7,010	*11,130	10,290	*7,790	5,460	*5,720	3,670			*4,220	3,080	6.86 m	
-3.0 m	kg	*11,550	*11,550	*9,160	*9,160	*6,620	5,540					*4,670	3,840	5.89 m	
-4.5 m	kg			*5,500	*5,500							*3,960	*3,960	4.21 m	

SK180LC		Long Ar	m: 3.1 m E	Bucket: wit	hout Shoe	: 600 mm							Н	EAVY LIFT
	Α	1.!	5 m	3.0	0 m	4.!	5 m	6.0	0 m	7.5	5 m	At Max	. Reach	
В		Ī		1	-		"	<u> </u>			—	<u> </u>	"	Radius
7.5 m	kg											*2,260	*2,260	5.73 m
6.0 m	kg							*3,910	*3,910			*2,040	*2,040	6.93 m
4.5 m	kg					*4,870	*4,870	*4,370	4,240	*2,630	*2,630	*1,970	*1,970	7.66 m
3.0 m	kg			*8,960	*8,960	*6,070	*6,070	*4,900	4,050	*3,950	2,860	*2,000	*2,000	8.04 m
1.5 m	kg			*7,790	*7,790	*7,290	5,800	*5,460	3,840	*4,510	2,770	*2,130	*2,130	8.13 m
G. L.	kg			*7,550	*7,550	*7,960	5,500	*5,830	3,680	4,560	2,700	*2,370	*2,370	7.93 m
-1.5 m	kg	*6,000	*6,000	*10,460	10,150	*7,900	5,390	*5,790	3,610			*2,830	2,710	7.43 m
-3.0 m	kg	*9,530	*9,530	*10,060	*10,060	*7,060	5,430	*5,070	3,640			*3,790	3,260	6.55 m
-4.5 m	kg			*7,050	*7,050	*4,910	*4,910					*3,980	*3,980	5.09 m

- 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.
- 2. 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.
- 3. Arm top pin is defined as lift point.

- The above lift capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift 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.

 6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

2 Piece Boom Specifications



Working Ranges

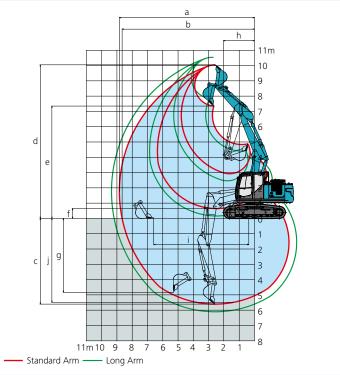
Unit: m

Arm length	Standard 2.6 m	Long 3.1 m
a- Max. digging reach	8.84	9.36
b- Max. digging reach at ground level	8.66	9.19
c- Max. digging depth	5.60	6.12
d- Max. digging height	10.05	10.52
e- Max. dumping clearance	7.35	7.83
f- Min. dumping clearance	0.645	0.145
g- Max. vertical wall digging depth	4.83	5.39
h- Min. swing radius	2.06	2.20
i- Horizontal digging stroke at ground level	6.22	7.23
j- Digging depth for 8' (2.4 m) flat bottom	5.49	6.01
Bucket capacity (ISO heaped)	0.63 m³	0.63 m³

Digging Force (ISO 6015)

Unit: kN

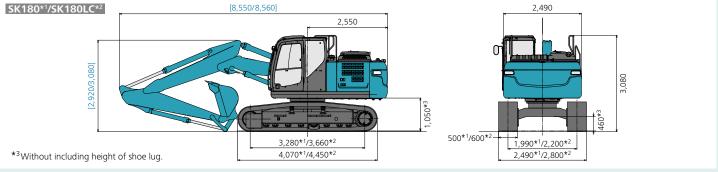
Arm length	Standard 2.6 m	Long 3.1 m
Bucket digging force	114	114
Bucket digging force	126*	126*
Arm crowding force	82.3	71.7
Arm crowding force	90.6*	78.8*
		*Douger Boost angaged





Dimensions [2.6 m arm/3.1m arm]

Unit: mm

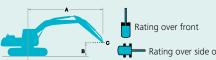


Operating Weight & Ground Pressure

In standard trim, with 2 piece boom, 2.6m arm, and 0.63 m³ ISO heaped bucket

		,				
Shaped				Triple grouser sho	oes (even height)	
Shoe width		mm	500	600	700	790
Overall width of crawler	SK180	mm	2,490	2,590	2,690	2,780
Overall width of Clawler	SK180LC	mm	_	2,800	2,900	2,990
	SK180	kPa	54	45	39	35
Ground pressure	SK180LC	kPa	_	42	37	33
Onovating weight	SK180	kg	19,400	19,600	20,000	20,200
Operating weight	SK180LC	ka	_	20 100	20,600	20.800





- A Reach from swing centerline to arm top
- B Arm top height above/below ground C Lift point
- Rating over side or 360 degrees * Max. discharge pressure: 37.8 MPa

										3- 1			
SK180LC		Boom: 2 l	pom: 2 Piece Boom Standard Arm: 2.6 m Bucket: without Shoe: 600 mm HEAV										
B Iv		1.5	5 m	3.0 m		4.5 m		6.0 m		At Max. Reach			
			-	1			-	1	 —	1	-	Radius	
7.5 m	kg					*4,010	*4,010			*3,200	*3,200	4.75 m	
6.0 m	kg					*5,410	*5,410	*3,500	*3,500	*2,830	*2,830	6.15 m	
4.5 m	kg			*6,910	*6,910	*6,710	6,650	*3,990	*3,990	*2,730	*2,730	6.96 m	
3.0 m	kg	*19,920	*19,920	*11,500	*11,500	*7,540	6,190	*3,680	*3,680	*2,790	*2,790	7.38 m	
1.5 m	kg	*19,300	*19,300	*12,570	10,530	*8,080	5,730	*4,010	3,820	*2,990	2,770	7.48 m	
G. L.	kg	*16,090	*16,090	*8,240	*8,240	*7,840	5,460	*5,080	3,680	*3,400	2,830	7.26 m	
-1.5 m	kg			*8,770	*8,770	*6,700	5,390	*4,840	3,630	*3,870	3,150	6.71 m	
-3.0 m	kg			*5,510	*5,510	*4,470	*4,470			*2,960	*2,960	5.72 m	

SK180		Boom: 2 l	om: 2 Piece Boom Standard Arm: 2.6 m Bucket: without Shoe: 500 mm										
	Α	1.5	5 m	3.0) m	4.5	m	6.0) m	At Max	. Reach		
В		1		4		-		-		-		Radius	
7.5 m	kg					*4,010	*4,010			*3,200	*3,200	4.75 m	
6.0 m	kg					*5,410	*5,410	*3,500	*3,500	*2,830	*2,830	6.15 m	
4.5 m	kg			*6,910	*6,910	*6,710	5,830	*3,990	3,690	*2,730	*2,730	6.96 m	
3.0 m	kg	*19,920	*19,920	*11,500	9,870	*7,540	5,380	*3,680	3,510	*2,790	2,520	7.38 m	
1.5 m	kg	*19,300	*19,300	*12,570	8,870	*8,080	4,940	*4,010	3,310	*2,990	2,400	7.48 m	
G. L.	kg	*16,090	*16,090	*8,240	*8,240	*7,840	4,680	*5,080	3,170	*3,400	2,450	7.26 m	
-1.5 m	kg			*8,770	8,480	*6,700	4,610	*4,840	3,130	*3,870	2,710	6.71 m	
-3.0 m	kg			*5,510	*5,510	*4,470	*4,470			*2,960	*2,960	5.72 m	

SK180		Boom: 2 I	Piece Boom	Long Arm:	3.1 m Bucke	et: without	Shoe: 500 n	nm						HEAVY LIFT
	А	1.5	5 m	3.0	m	4.5	m	6.0) m	7.5	m	At Max.	Reach	
В		4	—	1		4	-	4	—	<u> </u>	—	<u> </u>		Radius
9.0 m	kg			*3,810	*3,810							*3,220	*3,220	3.27 m
7.5 m	kg					*4,040	*4,040					*2,340	*2,340	5.54 m
6.0 m	kg					*4,360	*4,360	*3,800	*3,800			*2,090	*2,090	6.78 m
4.5 m	kg			*4,600	*4,600	*5,060	*5,060	*3,140	*3,140	*2,110	*2,110	*2,000	*2,000	7.52 m
3.0 m	kg	*17,700	*17,700	*10,560	10,320	*7,150	5,490	*2,810	*2,810	*3,630	2,470	*2,030	*2,030	7.91 m
1.5 m	kg	*26,860	*26,860	*9,580	8,950	*7,890	5,000	*3,040	*3,040	3,900	2,370	*2,140	2,140	8.00 m
G. L.	kg	*18,600	*18,600	*8,420	8,410	*7,930	4,670	*4,000	3,140	3,820	2,300	*2,380	2,170	7.80 m
-1.5 m	kg	*6,280	*6,280	*9,870	8,340	*7,110	4,540	*5,170	3,060			*2,840	2,370	7.28 m
-3.0 m	kg			*6,920	*6,920	*5,290	4,580	*3,560	3,110			*2,950	2,880	6.38 m
-4.5 m	kg	*13,470	*13,470	*6,700	*6,700							*1,300	*1,300	4.87 m

SK180LC		Boom: 2 Piece Boom Long Arm: 3.1 m Bucket: without Shoe: 600 mm											HEAVY LIFT	
A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At Max. Reach		
В			# -	<u> </u>		<u> </u>	़	1	—	<u> </u>		4		Radius
9.0 m	kg			*3,810	*3,810							*3,220	*3,220	3.27 m
7.5 m	kg					*4,040	*4,040					*2,340	*2,340	5.54 m
6.0 m	kg					*4,360	*4,360	*3,800	*3,800			*2,090	*2,090	6.78 m
4.5 m	kg			*4,600	*4,600	*5,060	*5,060	*3,140	*3,140	*2,110	*2,110	*2,000	*2,000	7.52 m
3.0 m	kg	*17,700	*17,700	*10,560	*10,560	*7,150	6,300	*2,810	*2,810	*3,630	2,850	*2,030	*2,030	7.91 m
1.5 m	kg	*26,860	*26,860	*9,580	*9,580	*7,890	5,790	*3,040	*3,040	*3,930	2,750	*2,140	*2,140	8.00 m
G. L.	kg	*18,600	*18,600	*8,420	*8,420	*7,930	5,450	*4,000	3,650	*4,210	2,670	*2,380	*2,380	7.80 m
-1.5 m	kg	*6,280	*6,280	*9,870	*9,870	*7,110	5,320	*5,170	3,560			*2,840	2,760	7.28 m
-3.0 m	kg			*6,920	*6,920	*5,290	*5,290	*3,560	*3,560			*2,950	*2,950	6.38 m
-4.5 m	kg	*13,470	*13,470	*6,700	*6,700							*1,300	*1,300	4.87 m

- 1. 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
- 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.

 3. Arm top pin is defined as lift point.

- 4. The above lift capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Lift capacities marked with an asterisk (*) are
- imited by hydraulic capacity of 75% of upping load. Lift capacities marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

 5. 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. 6. Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.

STANDARD EQUIPMENT

ENGINE

- Engine, HINO J05EVA-KSDL, diesel engine with turbocharger and intercooler
- Automatic engine deceleration

- Auto Idle Stop (AIS)
 Batteries (2 x 12V 92Ah)
 Starting motor (24V 5 kW), 60 amp alternator
- Automatic engine shut-down for low engine oil pressure
 Engine oil pan drain cock
- Double element air cleaner

CONTROL

- Working mode selector (H-mode, S-mode and ECO-mode) ■ Power Boost
- Heavy lift
 N&B piping (Proportional hand controlled)
- Swing rebound prevention system
- SWING SYSTEM & TRAVEL SYSTEM
- Straight propel system
 Two-speed travel with automatic shift down ■ Sealed & lubricated track links
- Travel alarm

- Grease-type track adjusters
 Lower under cover
- Automatic swing brake
- HYDRAULIC

- Arm regeneration system
- Auto warm up system
- Aluminum hvdraulic oil cooler
- Quick Hitch piping
 Hydraulic fluid filter clog detector
- MIRRORS, LIGHTS AND CAMERAS
- Rear view mirrors
- Rear view camera
- Three front working lights (two for boom and one for right storage box)
 CAB & CONTROL

- Two control levers, pilot-operated
- Horn, electric Cab light (interior)

- Luggage trayLarge cup holderDetachable two-piece floor mat

- Headrest
- Handrails
- Intermittent windshield wiper with double-spray washer
- Tinted safety glass
- Pull-up type front window and removable lower front window ■ Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammer Suspension seat
- Radio (AUX & Bluetooth®)
- Top guard (ISO 10262: 1998 Level II) ■ Remote machine monitoring system "GEOSCAN"
- Cab interference prevention system

OPTIONAL EQUIPMENT

- Wide range of shoes
- Additional track guide
- Extra N&B piping (proportional hand controlled)
- Air suspension seat

- Two cab lights
- Rain visor Front-guard (ISO 10262: 1998 Level II)

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics. Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

Note: This catalogue 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. Specialist equipment is needed to use this machine in demolition work. Before using it please contact your KOBELCO dealer. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalogue may be reproduced in any manner without notice.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.

5-15, Kitashinagawa 5-chome, Shinagawa-ku, Tokyo 141-8626 JAPAN Tel: +81 (0) 3-5789-2146 Fax: +81 (0) 3-5789-2135 www.kobelcocm-global.com

Inquiries To:			