KOBELCO

SK180-11/SK180LC-11

Performance X Design

SK180 SK180LC

- **Bucket capacity:**
  0.63 m³
- **Engine power:**
  100 kW / 2,000 min^{-1}
- **Operating weight:**
  19,100 – 21,400 kg

We Save You Fuel
Achieving a Low-Carbon Society

Performance X Design

With the release of the SK180/SK180LC, KOBELCO has completely harmonised the values of PERFORMANCE and DESIGN.

The SK180/SK180LC delivers greater efficiency and productivity with increased power and speed, along with uncompromising operator comfort and machine operability.

In the pursuit of producing unique and unbeatable machines that provide comfort and productivity without equal, KOBELCO continues to rise to the challenge.


KOBELCO
SK180LC

THE ULTIMATE SLEEK AND STYLISH CAB DESIGN

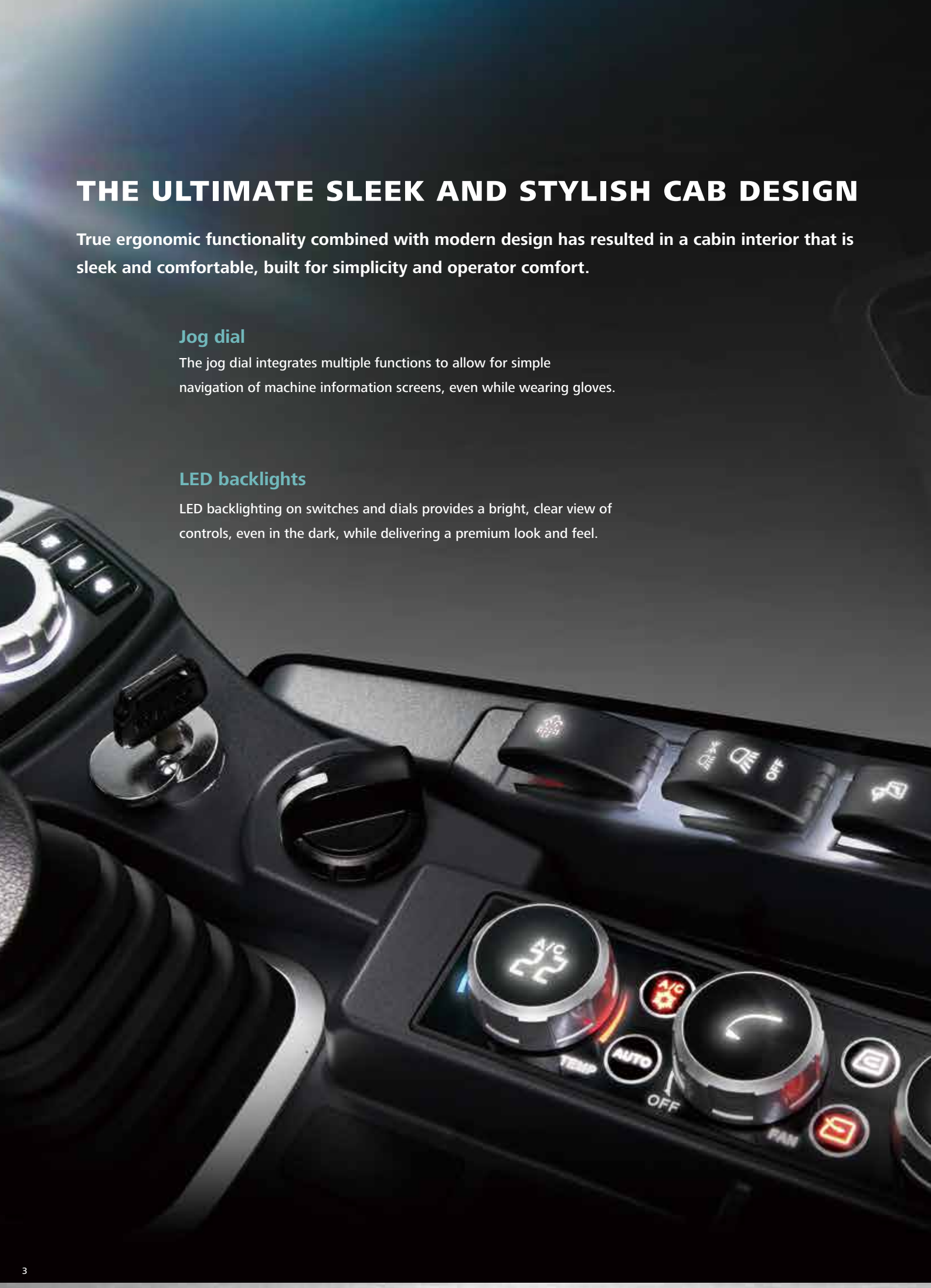
True ergonomic functionality combined with modern design has resulted in a cabin interior that is sleek and comfortable, built for simplicity and operator comfort.

Jog dial

The jog dial integrates multiple functions to allow for simple navigation of machine information screens, even while wearing gloves.

LED backlights

LED backlighting on switches and dials provides a bright, clear view of controls, even in the dark, while delivering a premium look and feel.




REDIAL
MODE
DISP


KOBELCO

UNFORGETTABLE COMFORT

Air suspension seat

A GRAMMER* seat is installed as standard equipment, which achieves excellent shock absorption and superior ride comfort.

*GRAMMER is trademark of GRAMMER AG. registered in Germany and other countries.

Optimal air conditioning vent placement

Air conditioning vents are optimally placed around the cabin with air flow directed toward the operator's neck and back, providing more comfortable operation.

Ergonomic and low-effort pilot control levers

Pilot control levers are mounted on adjustable consoles, with an ergonomic design that allows movement without twisting, reducing operator fatigue.

New Hydraulic Control

Our newly upgraded hydraulic control system responds to shorter lever strokes than current models, delivering swifter, more precise movement and improved lever operability.

LED door light

The LED interior light automatically turns on when the door is opened or when the ignition is set to OFF. This ensures easy entry and exit at nighttime.

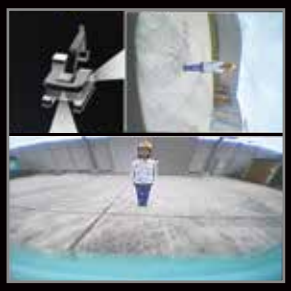

KOBELCO
04:33
SETTING MENU
PICTURE OF CAMERA
CLOCK SETTING
SCREEN BRIGHTNESS
MAINTENANCE
CONSUMPTION
LANGUAGE SELECTION
PRESSURE RELEASE
PR
E
F
E
F
mode
Auto
r/min

A WIDER VIEW BRINGS A WIDER RANGE OF USE

10-inch colour monitor—the largest in the industry

The easy-to-operate menu screen facilitates easy reading and navigation. Images from the built-in cameras can be checked on the large screen, which helps to improve safety. In addition, each icon is easily recognisable.

The right camera and rear camera (right side view mode)

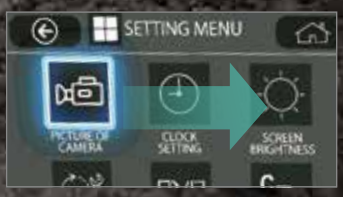


The right camera and rear camera (straight view mode)

Eagle Eye View

SAFETY ON FULL DISPLAY

Our high-resolution, large display shows right, left and rear side cameras together. Multiple camera modes allow operators to customise their display based on their needs to enhance awareness and jobsite safety.

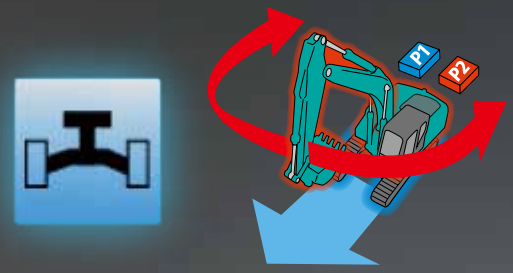


Screen display linked with the jog dial operation

The jog dial provides simple and intuitive control of all display screens. Turn the jog dial to the right or left to select an item and press the dial to confirm the selection.

Independent Travel

Selecting Independent Travel dedicates one hydraulic pump to travel and one to the attachment on a continuous basis, allowing for a smooth and constant movement speed even while swinging or using the boom or attachment. With Independent Travel, safely carrying a large pipe across a job site is a breeze.



THE NEXT LEVEL OF PERFORMANCE

Higher Efficiency, plus a Tier IV Final Compliant Engine

The new SK180/SK180LC is equipped with a Yanmar Tier IV Final Compliant engine, which has a higher torque value. Superior balance between engine output and torque contributes to more efficient performance than the previous models.
In addition, the DPF replacement interval has been extended.

Model: YANMAR 4TN107FHT

Engine output

100 kW/2,000 min^{-1}

Max. bucket digging force (Arm 2.60 m)

Normal: **114** kN

With power boost: **126** kN

Lift capacity

8,090 kg

(Reach: 4.50 m Boom: 5.20 m Arm: 2.60 m Bucket: Without
Counterweight: 3,700 kg Shoe: 500 mm <Heavy Lift > At Ground Level)

GREATER MULTI-FUNCTION CAPABILITIES

Attachment mode

The flow rate and working pressure modes of the bucket, breaker, nibbler, and rotating grapple are set before delivery, which allows you to start operating immediately. Mode settings for other attachments, such as the tilt rotator, can easily be added or changed.

EASY MAINTENANCE

Standard Overhead Top Guard Level II

The standard overhead cab guard can be tilted open with gas damper for easy window cleaning.
Meets standard top guard level II requirements. (ISO 10262)

Two-stage air filter

DEF/AdBlue® Tank

The DEF/AdBlue® fill is located inside the locking tool box.

Left side (radiator and cooling system elements)

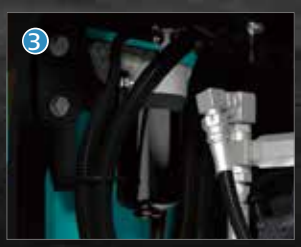
Laid out for easy access to radiator and cooling system.

Right Side (Ground Level Maintenance)

Hydraulic pump and engine filter compartment.

Engine Oil Filter

Pre-Filter with Integrated Water Separator



Fuel Filter

Note: AdBlue® is a registered trademark of the Verband der Automobilindustrie e.V. (VDA).

DURABILITY YOU CAN TRUST

Enhanced machine durability for 18-ton class machines

The SK180/SK180LC machines are widely used in mid-scale construction projects and harsh worksites. The new performance meets design philosophy has focused on durability to ensure optimal performance in the harshest of environments.

Panels and supports

The right and left side panels and rear supports have been thicker to enhance body rigidity.

Bucket cylinder rod pin

The increased diameter of the bucket cylinder rod pin contributes to enhanced durability for various types of attachments.

CONVENIENT AND SENSIBLE EQUIPMENT

Engine start password

A password is required when starting the engine for greater security.

Wiper adjustment function

In addition to the intermittent wiper mode and continuous wiper mode, the one-time wiper mode was added.

Console mount

The console-integrated seat allows for comfortable operation.

AM/FM Bluetooth® (hands-free) radio

Audio streaming and hands free phone calling capability.

USB port/12V power outlet

Smartphone holder

You can use the holder with your smartphone connected to the USB port.

Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

Excavator Remote Monitoring System

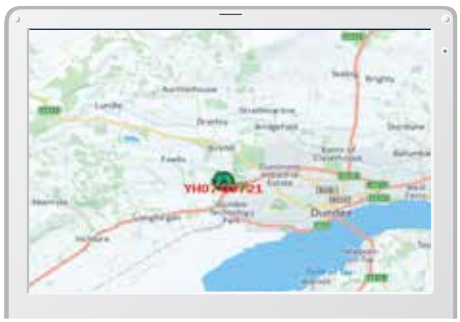
Remote Monitoring for Peace of Mind

GEOSCAN uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult.
When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, location, fuel consumption, and maintenance status can be obtained remotely.

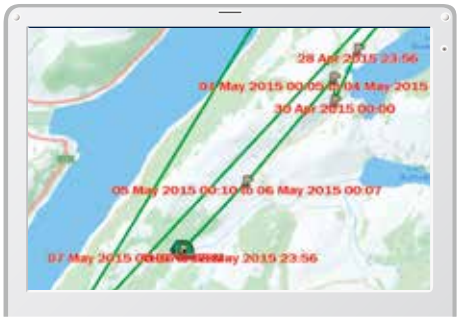
Direct Access to Operational Status

Location Data

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



Latest location

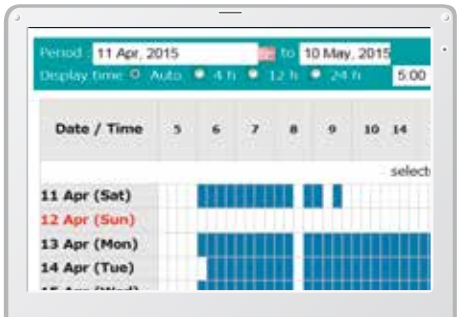


Location records

Work data

Operating Hours

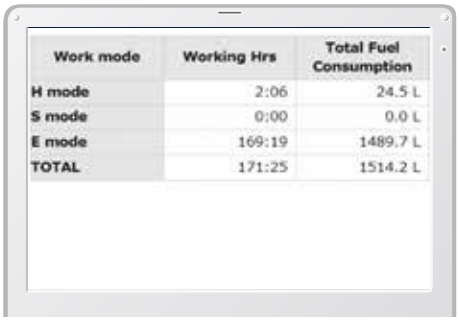
•A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
•Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel Consumption Data

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

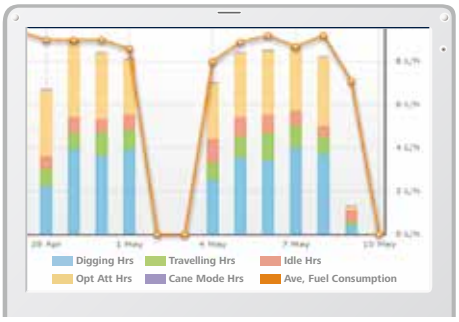


Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
TOTAL	171:25	1514.2 L

Fuel consumption

Graph of Work Content

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

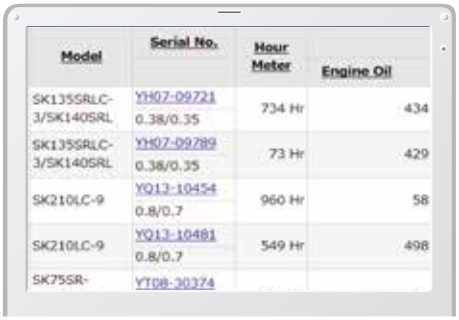


Work status

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/SK140SRL	YH07-09789 0.38/0.35	73 Hr	429
SK210LC-9	YQ13-10454 0.8/0.7	960 Hr	58
SK210LC-9	YQ13-10481 0.8/0.7	549 Hr	498
SK75SR-	YT08-30374		

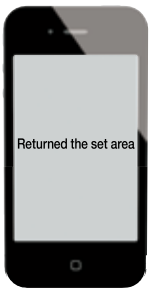
Maintenance

Warning Alerts

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

Alarm Information Can Be Received via E-mail

•Alarm information or maintenance notice can be received via e-mail, using a computer or a mobile device.



Alarm messages can be received on a mobile device.

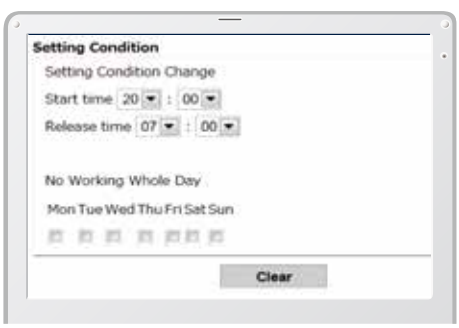
Daily/Monthly Reports

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

Security System

Engine Start Alarm

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



Engine start alarm outside prescribed work time

Area Alarm

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

Alarm for outside of reset area

Specifications

Engine

Model	YANMAR 4TN107FHT
Type	Four-cycle, water-cooled, direct injection diesel engine, turbo charged, Tier IV Final exhaust emission regulation
No. of cylinders	4
Bore and stroke	107 mm × 127 mm
Displacement	4.567 L
Rated power output	92 kW / 2,000 min^{-1} (ISO 9249: with fan)
	100 kW / 2,000 min^{-1} (ISO 14396: without fan)
Max. torque	580 N·m / 1,500 min^{-1} (ISO 9249: with fan)
	602 N·m / 1,500 min^{-1} (ISO 14396: without fan)

Hydraulic system

Pump	
Type	Two variable displacement axial piston pumps + extra gear pump + pilot gear pump
Max. discharge flow	2 × 160 L/min, 1 × 41.2 L/min, 1 × 20 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 valve	8 - Spool valve
Oil cooler	Air cooled type

Swing system

Swing motor	One fixed displacement piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in the neutral position
Parking brake	Wet multiple plate
Swing speed	12.6 min^{-1}
Swing torque	52.6 kN·m

Travel system

Travel motors		2 x axial-piston, two-step motors
Travel brakes		Hydraulic brake per motor
Parking brakes		Oil disc brake per motor
Travel shoes	SK180	45 each side
	SK180LC	49 each side
Travel speed		4.5 / 2.7 km/h
Rated drawbar pull		230 kN (SAE J 1309)
Gradeability		70% { 35° }

Cab & control

Cab
All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.
Control
Two hand levers and two foot pedals for travel
Two hand levers for excavating and swing
Electric rotary-type engine throttle

Cylinders

Boom cylinders	110 mm × 1,156 mm
Arm cylinder	125 mm × 1,285 mm
Bucket cylinder	105 mm × 1,025 mm
Jib cylinder*	135mm × 977mm

*For 2 Piece Boom only

Refilling capacities & lubrications

Fuel tank	280 L
Cooling system	22.7 L
Engine oil	22 L
Travel reduction gear	2 × 4.5 L
Swing reduction gear	1 × 2.7 L
Hydraulic oil tank	122 L tank oil level
	200 L hydraulic system
DEF/Urea tank	33.9 L

Attachments

Backhoe bucket and combination

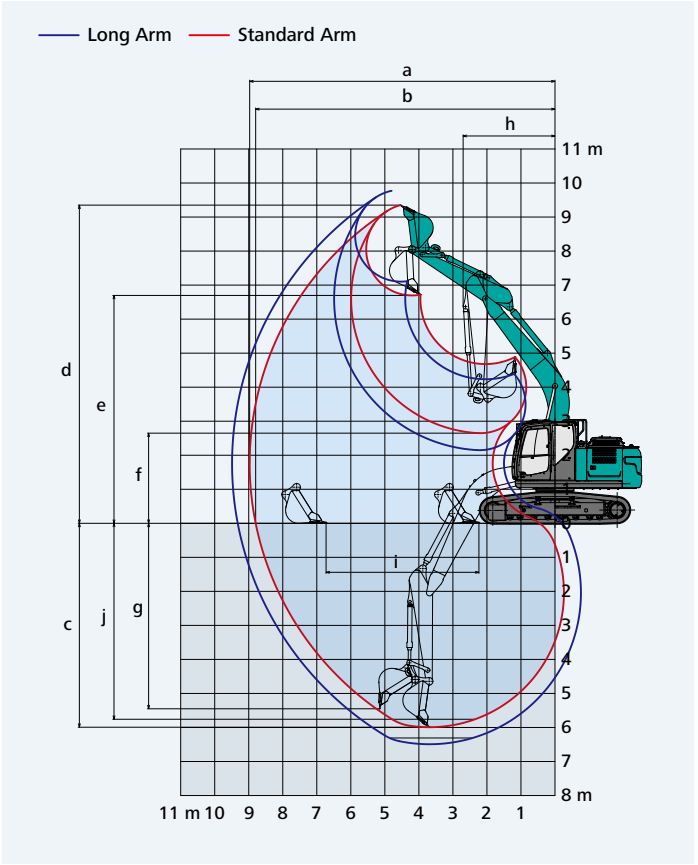
Use			Backhoe bucket
			Normal digging
Bucket capacity	ISO heaped	m^3	0.63
Opening width	With side cutter	mm	1,080
	Without side cutter	mm	980
No. of teeth			4
Bucket weight		kg	500
Combination	2.60 m standard arm		◎
	3.10 m long arm		○

◎ Standard ○ Recommended

Working ranges

Unit: mm

Boom	5.20 m	
Arm / Range	Standard 2.60 m	Long 3.10 m
a- Max. digging reach	8,970	9,490
b- Max. digging reach at ground level	8,800	9,320
c- Max. digging depth	5,990	6,490
d- Max. digging height	9,350	9,770
e- Max. dumping clearance	6,700	7,100
f- Min. dumping clearance	2,650	2,150
g- Max. vertical wall digging depth	5,450	5,950
h- Min. swing radius	2,710	2,740
i- Horizontal digging stroke at ground level	4,490	5,350
j- Digging depth for 2.4 m (8') flat bottom	5,760	6,310
Bucket capacity ISO heaped m³	0.63	0.63



Digging Force (ISO 6015)

Unit: kN

Arm length	Standard 2.60 m	Long 3.10 m
Bucket digging force	114 126*	114 126*
Arm crowding force	82.3 90.6*	71.7 78.8*

*Power Boost engaged

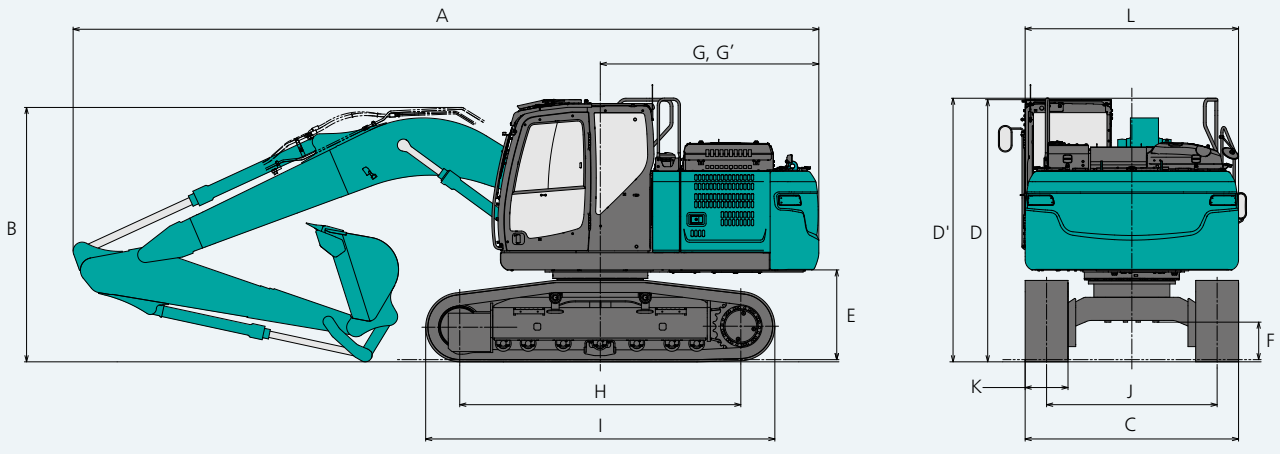
Dimensions

Unit: mm

Arm length			Standard 2.60 m	Long 3.10 m
A	Overall length		8,700	8,710
B	Overall height (to top of boom)		2,970	3,100
C	Overall width of crawler	SK180	2,490	
		SK180LC	2,800	
D	Overall height (to top of cab)		3,060	
D'	Overall height (to top of handrail)		3,080	
E	Ground clearance of rear end*		1,050	
F	Ground clearance*		440	
G	Tail swing radius		2,550	

G'	Distance from centre of swing to rear end		2,550
H	Tumbler distance	SK180	3,280
		SK180LC	3,660
I	Overall length of crawler	SK180	4,070
		SK180LC	4,450
J	Track gauge	SK180	1,990
		SK180LC	2,200
K	Shoe width	SK180	500
		SK180LC	600
L	Overall width of upperstructure		2,490

*Without including height of shoe lug

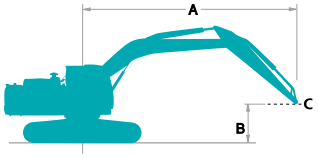


Operating weight & ground pressure

In standard trim, with Standard Boom, 2.60 m arm, and 0.63 m³ ISO heaped bucket

Shaped			Triple grouser shoes (even height)				
Shoe width		mm	500	600	700	790	900
Overall width of crawler	SK180	mm	2,490	2,590	2,690	2,780	—
	SK180LC	mm	—	2,800	2,900	2,990	3,100
Ground pressure	SK180	kPa	53	44	39	35	—
	SK180LC	kPa	—	41	36	32	29
Operating weight	SK180	kg	19,100	19,300	19,700	20,000	—
	SK180LC	kg	—	19,800	20,300	20,500	20,900

Lift capacities



Rating over front

Rating over side or 360 degrees

A - Reach from swing centerline to arm top
B - Arm top height above/below ground
C - Lift point
Relief valve setting: 37.8 MPa

SK180	Boom: 5.20 m Arm: 2.60 m Bucket: without Counterweight: 3,700 kg Shoe: 500 mm (Heavy Lift)												
A / B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
7.5 m	kg					*4,330	*4,330					*3,100	*3,100	4.96 m
6.0 m	kg							*3,940	3,860			*2,770	*2,770	6.32 m
4.5 m	kg					*5,430	*5,430	*4,750	3,790			*2,700	*2,700	7.11 m
3.0 m	kg			*10,260	10,000	*6,600	5,500	*5,220	3,620	*2,930	2,570	*2,770	2,550	7.52 m
1.5 m	kg					*7,660	5,110	5,600	3,440	*3,840	2,500	*2,990	2,440	7.61 m
G.L.	kg			*7,330	*7,330	*8,090	4,880	5,460	3,310			*3,410	2,490	7.40 m
–1.5 m	kg	*7,010	*7,010	*11,120	8,900	*7,780	4,820	5,410	3,270			*4,220	2,750	6.86 m
–3.0 m	kg	*11,550	*11,550	*9,150	9,080	*6,610	4,900					*4,660	3,430	5.89 m
–4.5 m	kg			*5,490	*5,490							*3,950	*3,950	4.21 m

SK180	Boom: 5.20 m Arm: 3.10 m Bucket: without Counterweight: 3,700 kg Shoe: 500 mm (Heavy Lift)												
A / B	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
7.5 m	kg											*2,260	*2,260	5.73 m
6.0 m	kg							*3,900	*3,900			*2,040	*2,040	6.93 m
4.5 m	kg					*4,870	*4,870	*4,370	3,820	*2,630	*2,630	*1,970	*1,970	7.66 m
3.0 m	kg			*8,950	*8,950	*6,070	5,590	*4,890	3,640	*3,950	2,570	*2,000	*2,000	8.04 m
1.5 m	kg			*7,790	*7,790	*7,280	5,150	*5,450	3,430	4,000	2,470	*2,120	*2,120	8.13 m
G.L.	kg			*7,550	*7,550	*7,940	4,860	5,430	3,270	3,920	2,400	*2,370	2,220	7.93 m
–1.5 m	kg	*6,000	*6,000	*10,460	8,750	*7,890	4,750	5,350	3,200			*2,830	2,410	7.43 m
–3.0 m	kg	*9,530	*9,530	*10,040	8,890	*7,040	4,780	*5,060	3,230			*3,790	2,890	6.55 m
–4.5 m	kg			*7,020	*7,020	*4,890	*4,890					*3,970	*3,970	5.09 m

SK180LC		Boom: 5.20 m Arm: 2.60 m Bucket: without Counterweight: 3,700 kg Shoe: 600 mm (Heavy Lift)												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
7.5 m	kg					*4,330	*4,330					*3,100	*3,100	4.96 m
6.0 m	kg							*3,940	*3,940			*2,770	*2,770	6.32 m
4.5 m	kg					*5,430	*5,430	*4,750	4,300			*2,700	*2,700	7.11 m
3.0 m	kg			*10,260	*10,260	*6,600	6,300	*5,220	4,130	*2,930	*2,930	*2,770	*2,770	7.52 m
1.5 m	kg					*7,660	5,900	*5,700	3,950	*3,840	2,870	*2,990	2,800	7.61 m
G.L.	kg			*7,330	*7,330	*8,090	5,670	*5,940	3,820			*3,410	2,870	7.40 m
–1.5 m	kg	*7,010	*7,010	*11,120	10,560	*7,780	5,610	*5,710	3,770			*4,220	3,170	6.86 m
–3.0 m	kg	*11,550	*11,550	*9,150	*9,150	*6,610	5,690					*4,660	3,950	5.89 m
–4.5 m	kg			*5,490	*5,490							*3,950	*3,950	4.21 m

SK180LC		Boom: 5.20 m Arm: 3.10 m Bucket: without Counterweight: 3,700 kg Shoe: 600 mm (Heavy Lift)												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
7.5 m	kg											*2,260	*2,260	5.73 m
6.0 m	kg							*3,900	*3,900			*2,040	*2,040	6.93 m
4.5 m	kg					*4,870	*4,870	*4,370	4,340	*2,630	*2,630	*1,970	*1,970	7.66 m
3.0 m	kg			*8,950	*8,950	*6,070	*6,070	*4,890	4,150	*3,950	2,940	*2,000	*2,000	8.04 m
1.5 m	kg			*7,790	*7,790	*7,280	5,940	*5,450	3,940	*4,500	2,850	*2,120	*2,120	8.13 m
G.L.	kg			*7,550	*7,550	*7,940	5,650	*5,820	3,780	*4,590	2,770	*2,370	*2,370	7.93 m
–1.5 m	kg	*6,000	*6,000	*10,460	10,410	*7,890	5,530	*5,780	3,710			*2,830	2,790	7.43 m
–3.0 m	kg	*9,530	*9,530	*10,040	*10,040	*7,040	5,570	*5,060	3,740			*3,790	3,340	6.55 m
–4.5 m	kg			*7,020	*7,020	*4,890	*4,890					*3,970	*3,970	5.09 m

Notes:

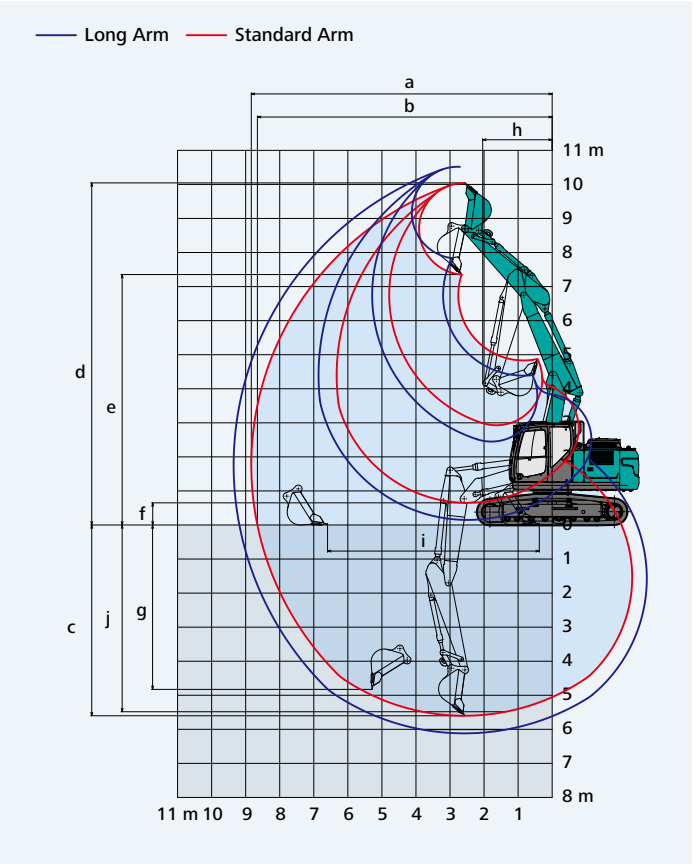
1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
2. Lift capacities are based on machine standing on level, firm, and uniform ground. User 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 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 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.

2 Piece Boom Specifications

Working ranges

Unit: mm

Boom	2 Piece Boom	
Arm / Range	Standard 2.60 m	Long 3.10 m
a- Max. digging reach	8,830	9,350
b- Max. digging reach at ground level	8,660	9,180
c- Max. digging depth	5,600	6,120
d- Max. digging height	10,040	10,520
e- Max. dumping clearance	7,350	7,830
f- Min. dumping clearance	650	150
g- Max. vertical wall digging depth	4,830	5,380
h- Min. swing radius	2,070	2,210
i- Horizontal digging stroke at ground level	6,220	7,230
j- Digging depth for 2.4 m (8') flat bottom	5,480	6,010
Bucket capacity ISO heaped m³	0.63	0.63



Digging Force (ISO 6015)

Unit: kN

Arm length	Standard 2.60 m	Long 3.10 m
Bucket digging force	114 126*	114 126*
Arm crowding force	82.3 90.6*	71.7 78.8*

*Power Boost engaged

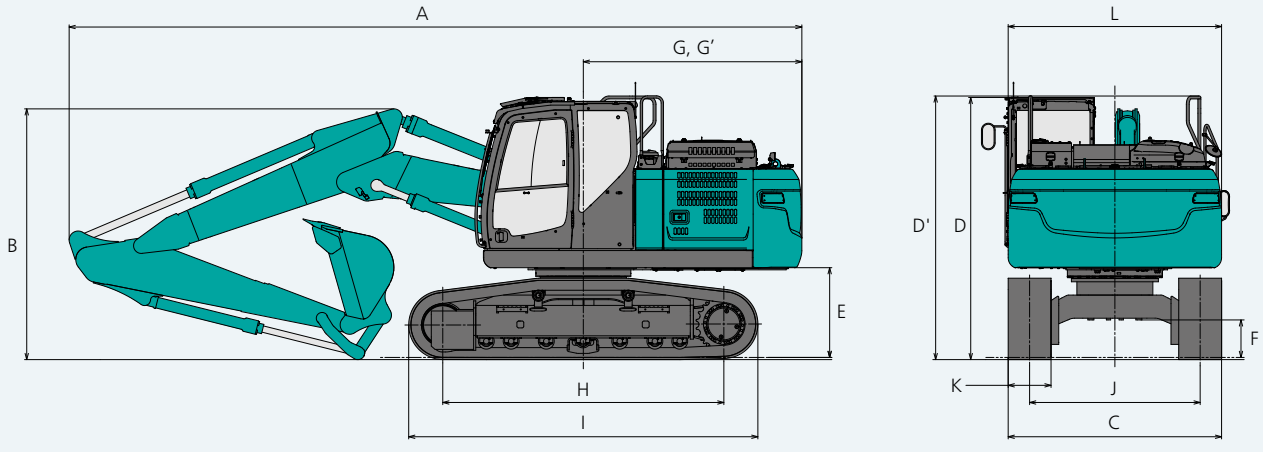
Dimensions

Arm length			Standard 2.60 m	Long 3.10 m
A	Overall length		8,550	8,560
B	Overall height (to top of boom)		2,930	3,090
C	Overall width of crawler	SK180	2,490	
		SK180LC	2,800	
D	Overall height (to top of cab)		3,060	
D'	Overall height (to top of handrail)		3,080	
E	Ground clearance of rear end*		1,050	
F	Ground clearance*		440	
G	Tail swing radius		2,550	

Unit: mm

G'	Distance from centre of swing to rear end		2,550
H	Tumbler distance	SK180	3,280
		SK180LC	3,660
I	Overall length of crawler	SK180	4,070
		SK180LC	4,450
J	Track gauge	SK180	1,990
		SK180LC	2,200
K	Shoe width	SK180	500
		SK180LC	600
L	Overall width of upperstructure		2,490

*Without including height of shoe lug



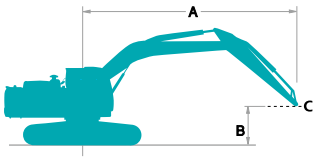
Operating weight & ground pressure

SK180-11 SK180LC-11

In standard trim, with 2 Piece Boom, 2.60 m arm, and 0.63 m^3 ISO heaped bucket

Shaped			Triple grouser shoes (even height)				
Shoe width		mm	500	600	700	790	900
Overall width of crawler	SK180	mm	2,490	2,590	2,690	2,780	—
	SK180LC	mm	—	2,800	2,900	2,990	3,100
Ground pressure	SK180	kPa	54	46	40	36	—
	SK180LC	kPa	—	42	37	33	30
Operating weight	SK180	kg	19,600	19,800	20,200	20,500	—
	SK180LC	kg	—	20,300	20,800	21,000	21,400

Lift capacities



Rating over front

Rating over side or 360 degrees

A - Reach from swing centerline to arm top
B - Arm top height above/below ground
C - Lift point
Relief valve setting: 37.8 MPa

SK180		2 Piece Boom Arm: 2.60 m Bucket: without Counterweight: 3,700 kg Shoe: 500 mm (Heavy Lift)										
A / B		1.5 m		3.0 m		4.5 m		6.0 m		At max. reach		Radius
7.5 m	kg					*4,000	*4,000			*3,200	*3,200	4.75 m
6.0 m	kg					*5,410	*5,410	*3,490	*3,490	*2,820	*2,820	6.15 m
4.5 m	kg			*6,900	*6,900	*6,700	5,970	*3,980	3,790	*2,730	*2,730	6.96 m
3.0 m	kg	*19,920	*19,920	*11,500	10,130	*7,530	5,530	*3,680	3,610	*2,780	2,600	7.38 m
1.5 m	kg	*17,830	*17,830	*12,580	9,140	*8,070	5,090	*4,000	3,410	*2,990	2,470	7.48 m
G.L.	kg	*16,110	*16,110	*8,240	*8,240	*7,830	4,820	*5,080	3,270	*3,400	2,530	7.26 m
–1.5 m	kg			*8,770	8,750	*6,690	4,760	*4,830	3,230	*3,860	2,800	6.71 m
–3.0 m	kg			*5,500	*5,500	*4,470	*4,470			*2,950	*2,950	5.72 m

SK180		2 Piece Boom Arm: 3.10 m Bucket: without Counterweight: 3,700 kg Shoe: 500 mm (Heavy Lift)												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
9.0 m	kg			*3,810	*3,810							*3,210	*3,210	3.27 m
7.5 m	kg					*4,030	*4,030					*2,340	*2,340	5.54 m
6.0 m	kg					*4,360	*4,360	*3,800	*3,800			*2,080	*2,080	6.78 m
4.5 m	kg			*4,600	*4,600	*5,050	*5,050	*3,130	*3,130	*2,100	*2,100	*2,000	*2,000	7.52 m
3.0 m	kg	*17,700	*17,700	*10,550	*10,550	*7,140	5,640	*2,800	*2,800	*3,620	2,550	*2,020	*2,020	7.91 m
1.5 m	kg	*24,920	*24,920	*9,580	9,210	*7,880	5,150	*3,040	*3,040	*3,930	2,450	*2,140	*2,140	8.00 m
G.L.	kg	*18,620	*18,620	*8,420	*8,420	*7,920	4,810	*4,000	3,240	3,920	2,370	*2,370	2,240	7.80 m
–1.5 m	kg	*6,270	*6,270	*9,870	8,600	*7,100	4,680	*5,170	3,160			*2,830	2,450	7.28 m
–3.0 m	kg			*6,910	*6,910	*5,290	4,720	*3,560	3,210			*2,940	*2,940	6.38 m
–4.5 m	kg	*13,480	*13,480	*6,710	*6,710							*1,300	*1,300	4.87 m

SK180LC		2 Piece Boom Arm: 2.60 m Bucket: without Counterweight: 3,700 kg Shoe: 600 mm (Heavy Lift)										
A / B		1.5 m		3.0 m		4.5 m		6.0 m		At max. reach		Radius
7.5 m	kg					*4,000	*4,000			*3,200	*3,200	4.75 m
6.0 m	kg					*5,410	*5,410	*3,490	*3,490	*2,820	*2,820	6.15 m
4.5 m	kg			*6,900	*6,900	*6,700	*6,700	*3,980	*3,980	*2,730	*2,730	6.96 m
3.0 m	kg	*19,920	*19,920	*11,500	*11,500	*7,530	6,350	*3,680	*3,680	*2,780	*2,780	7.38 m
1.5 m	kg	*17,830	*17,830	*12,580	10,840	*8,070	5,890	*4,000	3,930	*2,990	2,850	7.48 m
G.L.	kg	*16,110	*16,110	*8,240	*8,240	*7,830	5,620	*5,080	3,780	*3,400	2,920	7.26 m
–1.5 m	kg			*8,770	*8,770	*6,690	5,550	*4,830	3,740	*3,860	3,240	6.71 m
–3.0 m	kg			*5,500	*5,500	*4,470	*4,470			*2,950	*2,950	5.72 m

SK180LC		2 Piece Boom Arm: 3.10 m Bucket: without Counterweight: 3,700 kg Shoe: 600 mm (Heavy Lift)												
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
9.0 m	kg			*3,810	*3,810							*3,210	*3,210	3.27 m
7.5 m	kg					*4,030	*4,030					*2,340	*2,340	5.54 m
6.0 m	kg					*4,360	*4,360	*3,800	*3,800			*2,080	*2,080	6.78 m
4.5 m	kg			*4,600	*4,600	*5,050	*5,050	*3,130	*3,130	*2,100	*2,100	*2,000	*2,000	7.52 m
3.0 m	kg	*17,700	*17,700	*10,550	*10,550	*7,140	6,460	*2,800	*2,800	*3,620	2,930	*2,020	*2,020	7.91 m
1.5 m	kg	*24,920	*24,920	*9,580	*9,580	*7,880	5,950	*3,040	*3,040	*3,930	2,830	*2,140	*2,140	8.00 m
G.L.	kg	*18,620	*18,620	*8,420	*8,420	*7,920	5,610	*4,000	3,760	*4,200	2,750	*2,370	*2,370	7.80 m
–1.5 m	kg	*6,270	*6,270	*9,870	*9,870	*7,100	5,480	*5,170	3,670			*2,830	*2,830	7.28 m
–3.0 m	kg			*6,910	*6,910	*5,290	*5,290	*3,560	*3,560			*2,940	*2,940	6.38 m
–4.5 m	kg	*13,480	*13,480	*6,710	*6,710							*1,300	*1,300	4.87 m

Notes:

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 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 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 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.

MEMO

Standard and Optional Equipment

SK180 SK180LC

SK180-11 SK180LC-11

●=Std ○=Opt — = N/A

Category	Description	SK180/SK180LC-11 Mono boom / 2 Piece Boom	
		STD	LC
ENGINE	YANMAR 4TN107FHT (Tier IV Final certified)	●	●
	Exhaust DOC DPF SCR system	●	●
	Alternator 24 V / 80 A	●	●
	Starter motor 24 V / 5 kW	●	●
	Batteries 2 x 12 V (105 Ah)	●	●
	Fan suction type cooling system	●	●
	Auto deceleration function	●	●
	Auto Idle Stop (AIS)	●	●
HYDRAULIC SYSTEM	3 work modes H, S, Eco	●	●
	Power boost (37.8 MPa)	●	●
	Heavy lift mode	●	●
	Pressure release function	●	●
	Independent travel function	●	●
	Auto warm up system	●	●
	Proportional Hand Control (for N&B piping)	●	●
	Proportional Hand Control (for E & N&B piping)	○	○
	Hydraulic oil VG46	●	●
PIPING	N&B piping	●	●
	E & N&B piping	○	○
	QH piping	●	●
CABIN	Air suspension seat with heating	●	●
	10 inch colour monitor	●	●
	LED door light	●	●
	Air-conditioner	●	●
	Radio (FM/AM & AUX & USB & Bluetooth® & hands free telephone)	●	●
	Harness for CAB four lights and CAB yellow flasher	●	●
	Intermittent windshield wiper	●	●
	12V power outlet	●	●
	Rain visor	○	○
	Front roll screen	●	●
LIGHTS	LED work lights ; 2 on Boom, 1 on upper frame, 2 on rear counterweight	●	●
	LED work lights ; 2 on Cab top front	○	○
WORKING EQUIPMENT	Standard boom (5.20 m)	●	●
	2 Piece boom	○	○
	Standard arm (2.60 m) with rock guard	●	●
	Long arm (3.10 m) with rock guard	○	○
COUNTERWEIGHT	Heavier C/W (TTL 3,700 kg) with swing flasher	●	●
UNDERCARRIAGE	500 mm steel shoe	●	–
	600 mm steel shoe	○	●
	700 mm steel shoe	○	○
	790 mm steel shoe	○	○
	900 mm steel shoe	–	○
	Track guide (one per side)	●	●
	Additional track guides (two additional per side)	●	●
	Lower frame guard	●	●
SAFETY	Engine emergency stop switch	●	●
	Pump emergency mode (KPSS release switch)	●	●
	Emergency accel dial	●	●
	Emergency manual valve for lowering attachment	●	●
	Safety valve for boom & arm cylinder	●	●
	ROPS compliant cab (ISO 12117-2:2008)	●	●
	OPG Level II top guard (ISO 10262:1998)	●	●
	OPG Level II front guard (ISO 10262:1998)	○	○
	Eagle-eye view camera (Rear, Right, Left)	●	●
	Seatbelt indicator on display	●	●
	Travel alarm	●	●
OTHERS	Refueling pump	○	○
	Harness for engine room light	●	●
	RAL color	○	○
	GEOSCAN	●	●

Note: 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.

KOBELCO CONSTRUCTION MACHINERY CO., LTD.

Tokyo,JAPAN
www.kobelcocm-global.com

Enquiries To:

Bulletin No. SK180-11_SK180LC-11_ANZ_2E_2512