KOBELCO

SK180LC-11E/SK180N-11E

Performance X Design

SK180LC SK180N

- **Bucket capacity:**
  0.63 m³
- **Engine power:**
  100 kW / 2,000 min⁻¹
- **Operating weight:**
  19,200 – 21,500 kg

Complies with the EU Stage V exhaust emission regulation

Built for Perfectionists

Performance X Design

SK180LC/SK180N of KOBELCO has realised a completely new value by harmonising PERFORMANCE and DESIGN.
Performance enhancements offer greater efficiency and productivity along with increased power and speed.
Design improvements provide the ultimate in comfort and control.
KOBELCO refuses to compromise, creating machines that meet every challenge.


KOBELCO
SK180LC

THE ULTIMATE IN SIMPLE DESIGN

In our pursuit of functional beauty and styling,
we created an all new interior design focused with the operator in mind.

Jog Dial

This dial integrates multiple functions into a single, easy to use interface. Even with gloves on, the operator can make the adjustments they need.

LED Illumination

Dials and buttons are now backlit to provide a bright, clear view in any lighting condition.


LOCK
OFF HOOK
SRC
REDIAL
DAB
LIST UPDT
MODE
ENTER
PTY
A.PRESET
DOWN
UP


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.

Multi Vent Air Conditioner

Cool air is blown from multiple outlets toward the operator's body for more comfortable operation.

Ergonomic Lever Angles

Operators can move levers horizontally without twisting their wrists, reducing fatigue.

New Hydraulic Control

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

LED Interior Light

Interior lights turn on and off automatically when the door is open or the ignition is turned to the OFF position.This ensures safe entry and exit in the dark.

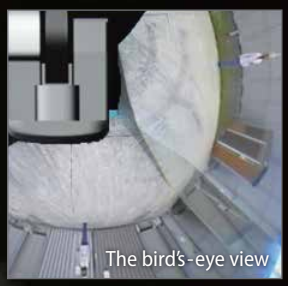
Parallel wiper secure a wide field of view


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

SAFETY ON FULL DISPLAY

Standard 3 Sides Safety Camera System

Our high-resolution, large display shows right, left and rear side cameras together. Multiple display allows the operator to customize viewing needs to enhance operator awareness and jobsite safety.



Eagle Eye View

Large 10-Inch Color Monitor

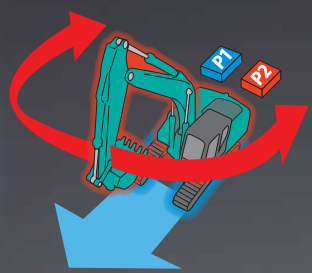
The easy-to-operate menu screen and recognizable icons assist the operator to select the most important information needed to ensure jobsite safety and machine control.

Dial in the Right Information

Simply turn the jog dial to the right or left to select an operational feature, then press the dial to confirm 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.



EXPERIENCING A COMPETENT PERFORMANCE

Higher Efficiency, plus a EU Stage V Compliant Engine

The new SK180LC/SK180N is equipped with a Yanmar Stage V 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

8,100 kg

(Reach: 4.50 m Boom: 5.20 m Arm: 2.60 m Bucket: Without
Counterweight: 3,700 kg Shoe: 600 mm <Heavy Lift > At Ground Level)

GREATER MULTI-FUNCTION CAPABILITIES

Attachment mode selection

The auxiliary flow rates for the bucket, breaker, nibbler, and rotating are all now adjustable by the operator through the monitor, allowing you to change tools quickly and easily. Mode settings for other attachments like the tilt rotator can 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

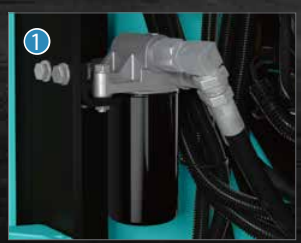
The DEF/AdBlue® fill is located inside the locking tool box.

Left side (radiator and cooling system elements)

Laid out for easy access to radiator and cooling system.

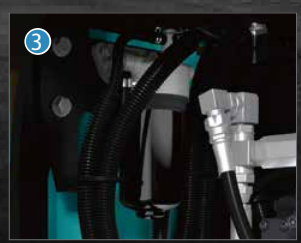
Right Side (Ground Level Maintenance)

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 body rigidity for 18-ton class machines

The SK180LC and SK180N machines are widely used in mid-scale construction projects and harsh worksites. The components have been reviewed and improvements have been made to their durability to ensure stable performance in such 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. The initial password must be set at our workshop.

Wiper adjustment function

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

Parallel wipers
Sun screen

Console mount

The console-integrated seat allows for comfortable operation.

DAB+ radio (FM/AM & AUX & USB & Bluetooth® & hands-free telephone)

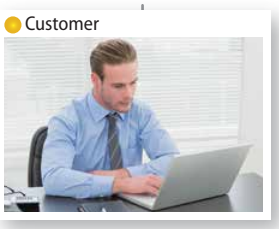
USB port/12V power supply

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.

KOMEXS KOBELCO MONITORING EXCAVATOR SYSTEM


Customer


KOBELCO office


KOBELCO service personnel

Remote Monitoring for Peace of Mind

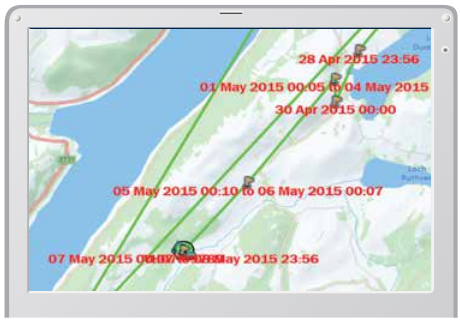
KOMEXS (Kobelco Monitoring Excavator System) uses satellite communication and internet to relay data, and therefore can be deployed in areas where other forms of communication are difficult. When a hydraulic excavator is fitted with this system, data on the machine's operation, such as operating hours, 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

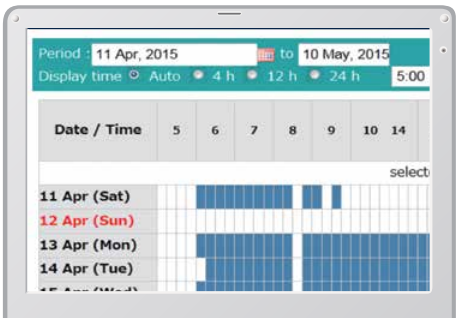
- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

Fuel Consumption Data

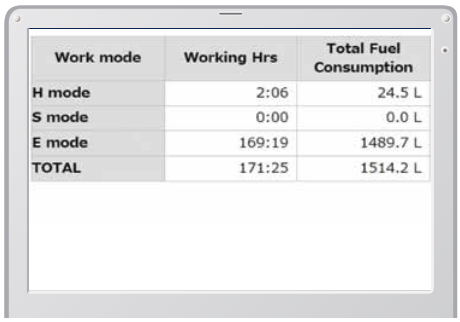
Data on fuel consumption and idling times can be used to indicate improvements in fuel consumption.

Graph of Work Content

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

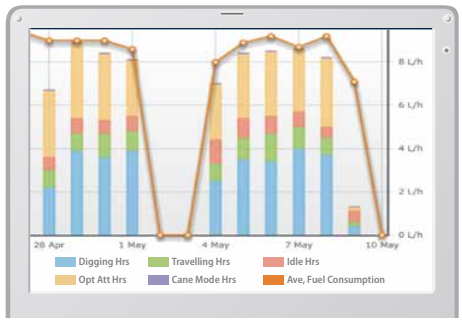


Daily report



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

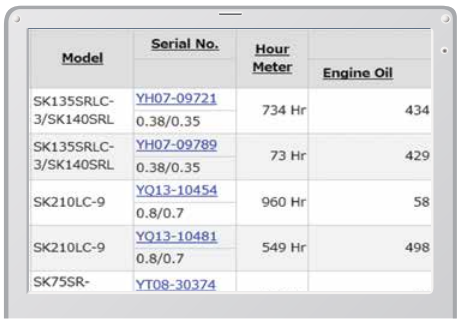


Work status

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 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.

Alarm messages can be received on mobile device.

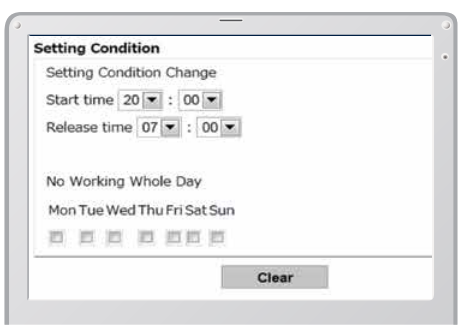
Daily/Monthly Reports

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

Security System

Engine Start Alarm

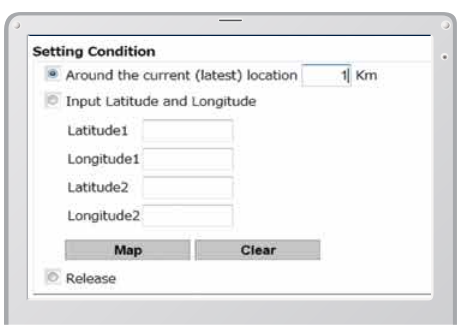
The system can be set an alarm if the machine is operated outside designated time.



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

Specifications

Engine

Model	YANMAR 4TN107FHT
Type	Four-cycle, water-cooled, direct injection diesel engine, turbo charged, EU Stage V exhaust emission regulation
No. of cylinders	4
Bore and stroke	107 mm × 127 mm
Displacement	4.567 L
Rated power output	95 kW / 2,000 min^{-1} (ISO 9249: with fan)
	100 kW / 2,000 min^{-1} (ISO 14396: without fan)
Max. torque	588 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
Maximum swing gradient (Loaded)*	44 % {24°}

*Value for the least favourable specification

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	SK180LC	49 each side
	SK180N	45 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

Noise levels	
External	102 dB(A) (2000/14/EC)
Noise levels/Operator	68 dB (A) (ISO 6396:2008)
Vibration levels	
Hand/arm*	≤ 2.5 m/s^2
Body*	≤ 0.5 m/s^2

*For the risk assessment according to 2002/44/EC, refer to ISO/TR 25398: 2006

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

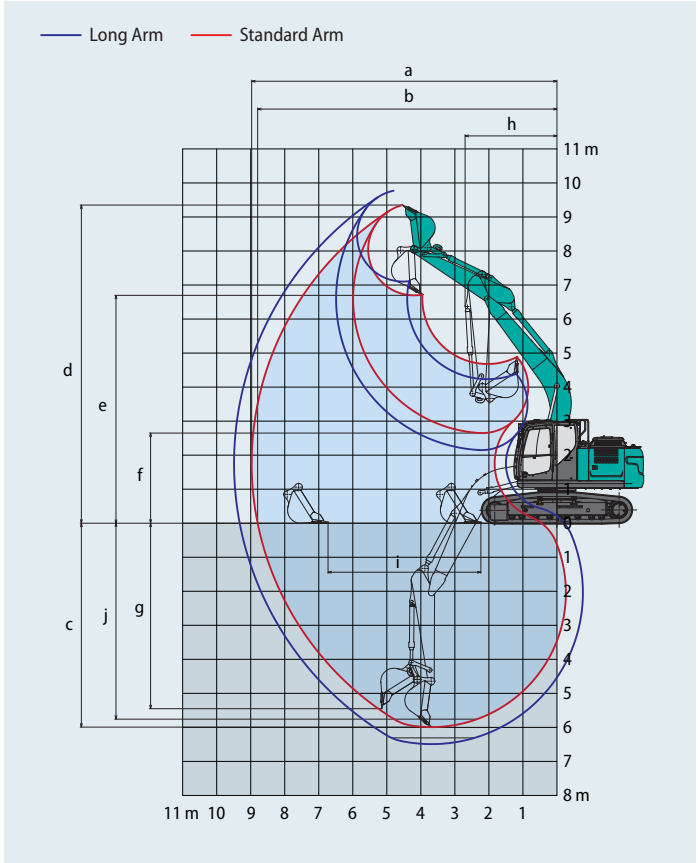
Use			Backhoe bucket
			Normal digging
Bucket capacity	ISO heaped	m^3	0.63
Opening width	With side cutter	mm	1,075
	Without side cutter	mm	975
Bucket weight		kg	500
Combination	2.60 m standard arm		◎
	3.10 m long arm		◎

◎ Standard

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 m^3	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

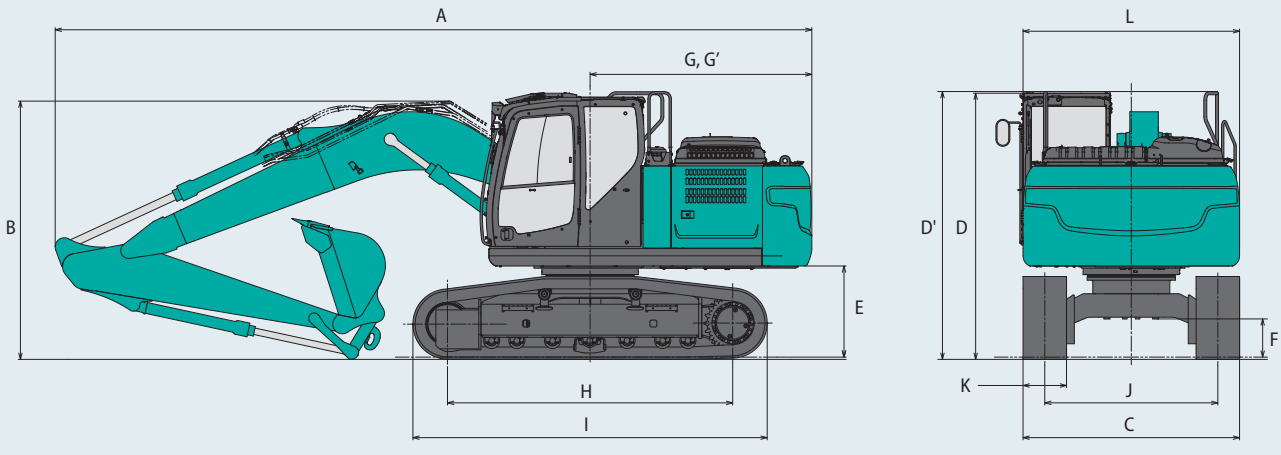
Dimensions

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	SK180LC	2,800	
		SK180N	2,490	
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	SK180LC	3,660
		SK180N	3,280
I	Overall length of crawler	SK180LC	4,450
		SK180N	4,070
J	Track gauge	SK180LC	2,200
		SK180N	1,990
K	Shoe width	SK180LC	600
		SK180N	500
L	Overall width of upperstructure		2,490

*Without including height of shoe lug

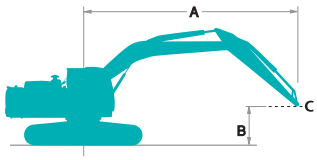


Operating weight & ground pressure

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	SK180LC	mm	—	2,800	2,900	2,990	3,100
	SK180N	mm	2,490	2,590	2,690	2,780	—
Ground pressure	SK180LC	kPa	—	41	36	33	29
	SK180N	kPa	53	45	39	35	—
Operating weight	SK180LC	kg	—	19,900	20,400	20,600	20,900
	SK180N	kg	19,200	19,400	19,800	20,000	—

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

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					*4,320	*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	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							*3,910	*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

SK180N	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					*4,320	*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

SK180N	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							*3,910	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

Notes:

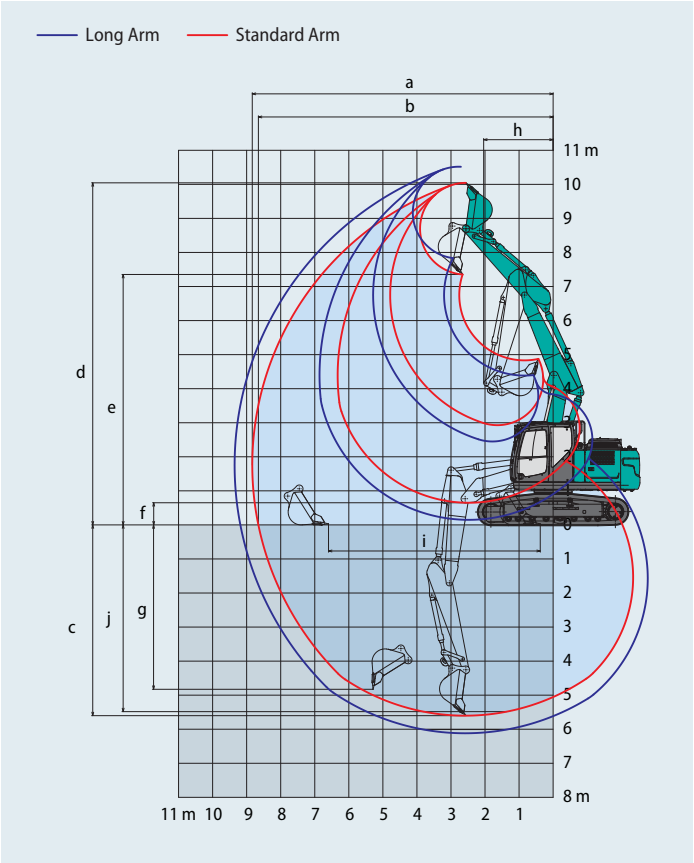
1. Do not attempt to lift or hold any load that is greater than these lift capacities at their specified lift point radius and heights. Weight of all accessories must be deducted from the above lift capacities.
2. Lift capacities are based on machine standing on level, firm, and uniform ground. User 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 m^3	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.

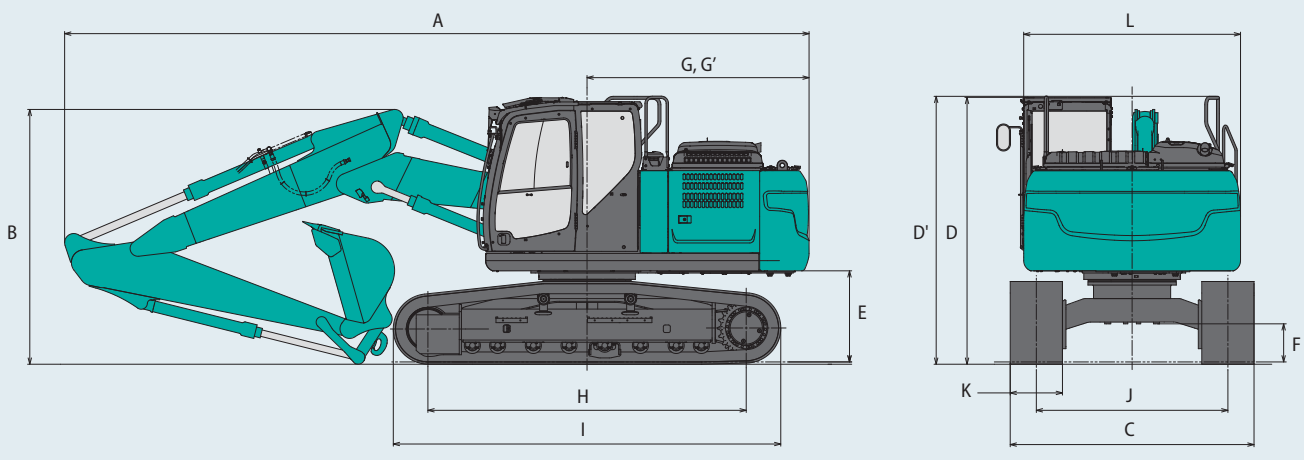
Dimensions

Unit: mm

Arm length		Standard 2.60 m	Long 3.10 m
A	Overall length	8,550	8,560
B	Overall height (to top of boom)	2,930	3,090
C	Overall width of crawler SK180LC	2,800	
	Overall width of crawler SK180N	2,490	
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	SK180LC	3,660
		SK180N	3,280
I	Overall length of crawler	SK180LC	4,450
		SK180N	4,070
J	Track gauge	SK180LC	2,200
		SK180N	1,990
K	Shoe width	SK180LC	600
		SK180N	500
L	Overall width of upperstructure		2,490

*Without including height of shoe lug



Operating weight & ground pressure

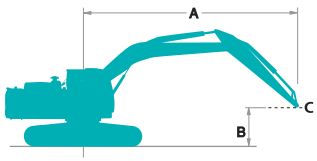
SK180LC SK180N

SK180LC-11E SK180N-11E

In standard trim, with 2 Piece 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	SK180LC	mm	—	2,800	2,900	2,990	3,100
	SK180N	mm	2,490	2,590	2,690	2,780	—
Ground pressure	SK180LC	kPa	—	42	37	33	30
	SK180N	kPa	54	46	40	36	—
Operating weight	SK180LC	kg	—	20,400	20,900	21,100	21,400
	SK180N	kg	19,700	19,900	20,300	20,500	—

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

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					*4,010	*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

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							*3,220	*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

Lift capacities

SK180N	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					*4,010	*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

SK180N	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							*3,220	*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

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.
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Standard and Optional Equipment

SK180LC-11E SK180N-11E

●=Std ○ = Opt — = N/A

Category	Description	SK180LC/N-11E Mono boom / 2 Piece Boom	
		LC	N
ENGINE	YANMAR 4TN107FHT (EU Stage V compliant)	●	●
	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 E&N&B piping)	●	●
	Hydraulic oil VG32	●	●
	Hydraulic oil VG46	○	○
	Hydraulic oil VG68	○	○
PIPING	E & N&B piping	●	●
	QH piping	●	●
CABIN	Air suspension seat with heating	●	●
	10 inch colour monitor	●	●
	LED door light	●	●
	Air-conditioner	●	●
	DAB+ radio (FM/AM & AUX & USB & Bluetooth® & hands free telephone)	●	●
	Harness for CAB four lights and CAB yellow flasher	●	●
	Parallel wiper	●	●
	12 V power outlet	●	●
	Rain visor	○	○
	Sun screen	●	●
	Large footrest	●	●
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	○	○
	Bucket link with lifting hook	●	●
COUNTERWEIGHT	Standard C/W (TTL 3,700 kg)	●	●
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	●	●
	Overload alarm	●	●
	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	○	○
	Emergency escape hammer	●	●
OTHERS	Refueling pump	●	●
	Harness for engine room light	●	●
	RAL color	○	○
	KOMEXS	●	●

*The air conditioning system on this machine contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0.9 kg (CO2 equivalent 1.3 t).
Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

MEMO

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.

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