SK380XDLC-11E

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.
www.kobelcocm-global.com

Inquiries To:

SK380XDLC-11E_TUR_1E_2507

KOBELCO

Performance X Design

SK380XDLC

- **Bucket capacity:**
  1.6 – 1.9 m³
- **Engine power:**
  210 kW/1,900 min⁻¹
- **Operating weight:**
  39,500 – 40,200 kg

Complies with the EU Stage V exhaust emission regulation

We Save You Fuel
Achieving a Low-Carbon Society

Performance X Design

SK380XDLC 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.

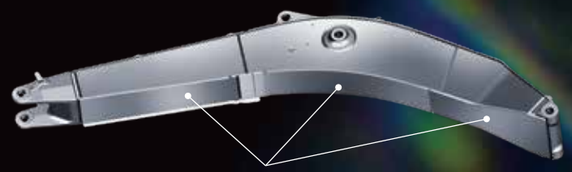
Design improvements provide the ultimate in comfort and control.

KOBELCO refuses to compromise, creating machines that meet every challenge.

ENHANCED ROBUSTNESS TOWARDS GREATER SAFETY AND RELIABILITY

Reinforced arm optimized for use in mines and quarries

The rock guard has been extended to enhance durability in harsh working environments. This prevents damage and deformation of the arm from severe impacts with rocks.



Significant improvement in boom durability

The rigidity of the boom has been improved by reinforcing the thickness of the plate. It is designed to withstand intense excavation work and heavy rock impacts in mining sites.

Upper frame with enhanced impact resistance

The upper frame features a collision-prevention structure. This prevents frame deformation due to external impact. In addition, the thickness of the under cover of the upper machine body has been increased to protect the upper structure from accidental impacts while traveling.

AN UNDERCARRIAGE BUILT FOR UNBEATABLE DURABILITY

Reinforced Guide Frame ❶

Reinforced guide frame prevents deformation caused by impact or encroaching of loose stones.

Reinforced Guide Frame ❷

Inside of guide frame is reinforced.

Thicker Steel Plate for Shoes

Reinforced HD shoes of thick steel plate to master rough, stony ground.

Track Links

The size and durability of the track link are increased compared to standard models.

Lower Frame Underside Cover

Hydraulic piping and equipment protected against damage from rubble and stony ground.

Upper Under Covers

Thick covers with increased durability compared to standard models.

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.

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

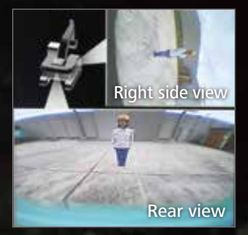
Interior lights turn on and off automatically when the door is open or the ignition is turned to the OFF position.This ensures safe entry and exit in the dark.

Parallel wiper secure a wide field of view

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.

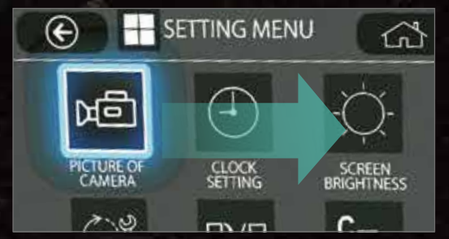


Large 10-Inch Color Monitor

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.



EASY MAINTENANCE

Standard Overhead Top Guard Level II

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

Engine Maintenance

Lower service platform makes engine service easier.

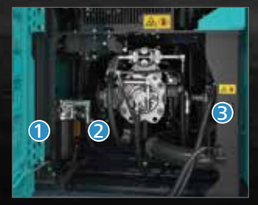
Two-stage air filter

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)

❶ Fuel Filter
❷ Pre-Filter with Integrated Water Separator

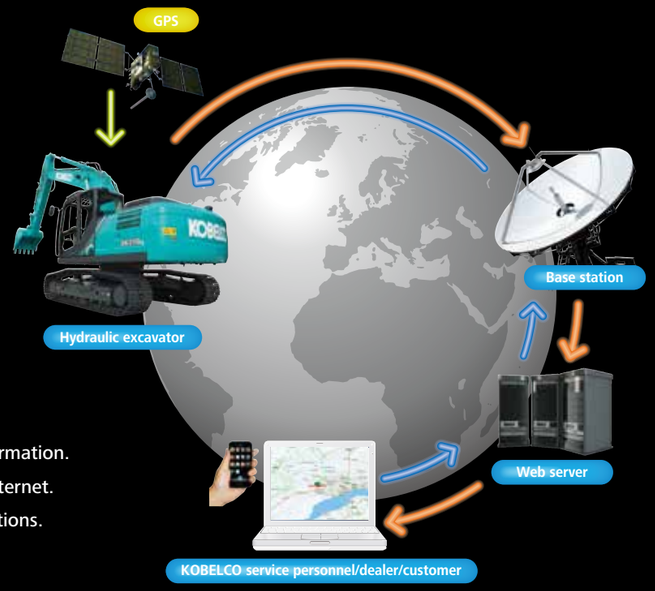
❸ Engine oil filter

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

GEOSCAN

Total Support for Machines with Network Speed and Accuracy

GEOSCAN is a telematics system for receiving machine information.
Manage your machines anywhere in the world using the Internet.
Location, workload and diagnostic data aid business operations.



Direct Access to Operational Status

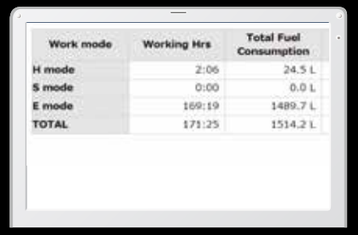
Location Data

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

Latest location

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

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

Graph of Work Content

The graph shows how working hours are divided among different operating categories, including digging, idling, traveling, and optional operations (N&B).

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	734 Hr	434 Hr
	0.38/0.35		
SK135SRLC-3/SK140SRL	YH07-09789	73 Hr	429 Hr
	0.38/0.35		
SK210LC-9	YQ13-10454	960 Hr	58 Hr
	0.8/0.7		
SK210LC-9	YQ13-10481	549 Hr	408 Hr
	0.8/0.7		
SK75SR-	YT08-20374		

Warning Alerts

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

Security System

Engine Start Alarm

Sends a notification if the engine is started outside of pre-defined hours.

Area Alarm

Sends a notification if the machine leaves a pre-defined area.

Specifications

SK380XDLC
SK380XDLC-11E

Engine

Model	ISUZU 6HK1
Type	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler complies with EU Stage V exhaust emission regulation
No. of cylinders	6
Bore and stroke	115 mm x 125 mm
Displacement	7.790 L
Rated power output	198 kW/1,900 min^{-1} (ISO 9249)
	210 kW/1,900 min^{-1} (ISO 14396)
Max. torque	1,011 N·m/1,500 min^{-1} (ISO 9249)
	1,080 N·m/1,500 min^{-1} (ISO 14396)

Hydraulic System

Pump	
Type	Axial piston pumps + pilot gear pump
Max. discharge flow	2 x 294 L/min, 1 x 19 L/min
Relief valve setting	
Boom, arm and bucket	34.3 MPa {350 kgf/cm^2}
Power Boost	37.8 MPa {385 kgf/cm^2}
Travel circuit	35.8 MPa {365 kgf/cm^2}
Swing circuit	29.5 MPa {301 kgf/cm^2}
Control circuit	5.0 MPa {51 kgf/cm^2}
Pilot control pump	Gear type
Main control valve	8-spool
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 neutral position
Parking brake	Oil disc brake, hydraulic operated automatically
Swing speed	10.0 min^{-1}
Swing torque	120 kN·m
Maximum swing gradient (Loaded)*	30 % {17°}

*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	48 each side
Travel speed	5.6/3.3 km/h
Rated drawbar pull	319 kN (ISO 7464)
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	106 dB(A) (2000/14/EC)
Operator	73 dB(A) (ISO 6396)

Boom, Arm & Bucket

Boom cylinders	140 mm x 1,550 mm
Arm cylinder	170 mm x 1,788 mm
Bucket cylinder	150 mm x 1,193 mm

Refilling Capacities & Lubrications

Fuel tank	503 L
Cooling system	41.4 L
Engine oil	48.6 L
Travel reduction gear	2 x 8.0 L
Swing reduction gear	1 x 7.4 L
Hydraulic oil tank	245 L tank oil level
	410 L hydraulic system
DEF/Urea tank	83 L

Attachments

Backhoe bucket and combination

Use			Backhoe bucket	
			Normal digging	
Bucket capacity	ISO heaped	m^3	1.60	1.90
Opening width	With side cutter	mm	1,470	1,740
	Without side cutter	mm	1,470	1,740
No. of teeth			5	5
Bucket weight		kg	1,890	2,100
Combination	2.60 m short arm		×	◎
	3.30 m standard arm		◎	×

◎ Standard × Not recommended

Working Ranges

Unit: mm

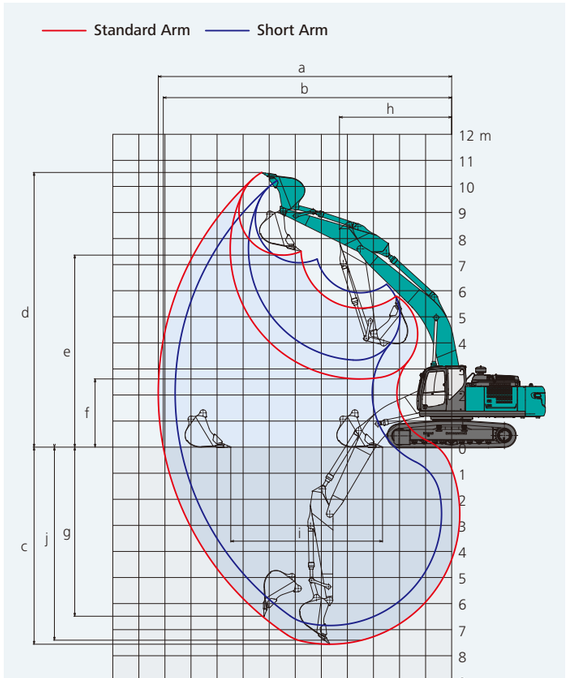
Boom	6.50 m	
Arm / Range	Short 2.60 m	Standard 3.30 m
a- Max. digging reach	10,610	11,260
b- Max. digging reach at ground level	10,400	11,060
c- Max. digging depth	6,840	7,560
d- Max. digging height	10,230	10,540
e- Max. dumping clearance	7,070	7,370
f- Min. dumping clearance	3,340	2,620
g- Max. vertical wall digging depth	5,700	6,480
h- Min. swing radius	4,460	4,310
i- Horizontal digging stroke at ground level	4,210	5,820
j- Digging depth for 2.4 m (8') flat bottom	6,650	7,400
Bucket capacity ISO heaped m^3	1.90	1.60

Digging Force (ISO 6015)

Unit: kN

Arm length	Short 2.60 m	Standard 3.30 m
Bucket digging force	229 252*	229 252*
Arm crowding force	207 228*	165 182*

*Power Boost engaged.



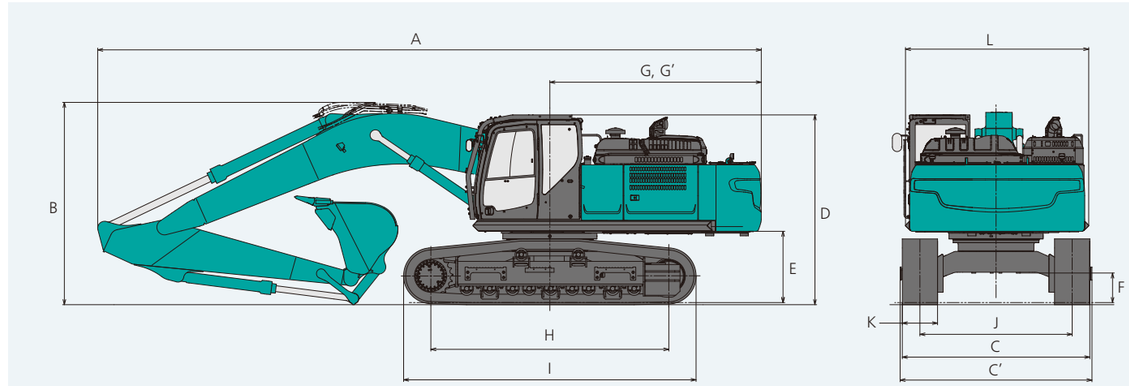
Dimensions

Unit: mm

Arm length		Short 2.60 m	Standard 3.30 m
A	Overall length	11,380	11,300
B	Overall height (to top of boom)	3,690	3,440
C	Overall width of crawler (without steps)	3,190	
C'	Overall width of crawler (with steps)	3,260	
D	Overall height (to top of cab)	3,230	
E	Ground clearance of rear end*	1,210	

F	Ground clearance*	500
G	Tail swing radius	3,600
G'	Distance from centre of swing to rear end	3,600
H	Tumbler distance	4,050
I	Overall length of crawler	4,980
J	Track gauge	2,590
K	Shoe width	600
L	Overall width of upperstructure	3,120

*Without including height of shoe



Operating weight and ground pressure

SK380XDLC-11E

In standard trim,with standard boom, 3.30 m arm, and 1.60 m³ ISO heaped bucket, Semi heavier counterweight

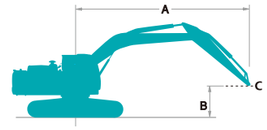
Shaped		Triple grouser shoes
Shoe width	mm	600 (HD)
Overall width of crawler (without steps)	mm	3,190
Ground pressure	kPa	74.0
Operating weight	kg	39,500

In standard trim,with standard boom, 2.60 m arm, and 1.90 m³ ISO heaped bucket, Semi heavier counterweight

Shaped		Triple grouser shoes	Double grouser shoes
Shoe width	mm	600 (HD)	600 (HD)
Overall width of crawler	mm	3,190	3,190
Ground pressure	kPa	74.3	75.3
Operating weight	kg	39,700	40,200

Lift capacities

SK380XDLC-11E



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 {385 kgf/cm²}

SK380XDLC		Boom: 6.50m Arm: 3.30 m Bucket: without Counterweight: 8,590 kg Shoe: 600 HD mm (Heavy Lift)														
A / B		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At max. reach		Radius
9.0 m	kg													*6,160	*6,160	6.56 m
7.5 m	kg									*7,640	*7,640			*5,630	*5,630	7.86 m
6.0 m	kg									*7,770	*7,770			*5,440	*5,440	8.71 m
4.5 m	kg							*9,570	*9,570	*8,340	8,020	*7,700	5,980	*5,460	*5,460	9.25 m
3.0 m	kg					*14,990	*14,990	*11,030	10,650	*9,100	7,690	*8,010	5,830	*5,650	5,320	9.52 m
1.5 m	kg					*17,220	15,090	*12,310	10,090	*9,810	7,380	*8,340	5,680	*6,020	5,200	9.54 m
G.L.	kg					*17,990	14,620	*13,060	9,720	*10,280	7,160	*8,490	5,560	*6,660	5,290	9.33 m
–1.5 m	kg			*15,180	*15,180	*17,630	14,520	*13,130	9,570	*10,300	7,050			*7,730	5,660	8.85 m
–3.0 m	kg	*17,320	*17,320	*22,250	*22,250	*16,310	14,660	*12,390	9,600	*9,570	7,100			*8,510	6,470	8.07 m
–4.5 m	kg			*18,170	*18,170	*13,720	*13,720	*10,380	9,850					*8,420	8,220	6.88 m

SK380XDLC		Boom: 6.50 m Arm: 2.60 m Bucket: without Counterweight: 8,590 kg Shoe: 600 HD mm (Heavy Lift)										
A / B		3.0 m		4.5 m		6.0 m		7.5 m		At max. reach		Radius
7.5 m	kg									*8,640	*8,640	7.06 m
6.0 m	kg					*9,250	*9,250	*8,500	8,090	*8,430	7,240	8.00 m
4.5 m	kg			*13,410	*13,410	*10,380	*10,380	*8,930	7,860	*8,410	6,340	8.58 m
3.0 m	kg					*11,720	10,390	*9,570	7,560	*8,500	5,880	8.87 m
1.5 m	kg					*12,770	9,900	*10,130	7,290	*8,650	5,740	8.89 m
G.L.	kg			*17,850	14,520	*13,200	9,630	*10,400	7,120	*8,840	5,880	8.66 m
–1.5 m	kg			*16,950	14,570	*12,910	9,570	*10,100	7,090	*9,010	6,380	8.15 m
–3.0 m	kg	*19,260	*19,260	*15,130	14,800	*11,690	9,700			*9,040	7,510	7.29 m
–4.5 m	kg	*14,640	*14,640	*11,740	*11,740					*8,540	*8,540	5.95 m

Note:

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. Bucket pin attachment point 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.

Standard and Optional Equipment

●=Std ○=Opt —= N/A

Category	Description	SK380XDLC-11E
ENGINE	ISUZU 6HK1 engine (EU Stage V compliant)	●
	Exhaust DOC DPF SCR system	●
	Alternator 24 V / 90 A	●
	Starter motor 24 V / 5 kW	●
	Batteries 2 x 12 V (140 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 (385 kgf/cm²))	●
	Heavy lift mode	●
	Pressure release function	●
	Independent travel function	●
	Auto warm up system	●
	Proportional Hand Control (for N&B piping)	●
	Hydraulic oil VG46	●
PIPING	Breaker piping	●
	N&B 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)	●
	Parallel wiper	●
	12 V power outlet	●
	Rain visor	○
	Sun screen	●
	Large footrest	●
LIGHTS	LED work lights ; 2 on cab top front, 2 on boom, 1 on upper frame, 2 on rear counterweight	●
WORKING EQUIPMENT	Standard SHD boom (6.50 m)	●
	Standard SHD arm (3.30 m) with rock guard	●
	Short SHD arm (2.60 m) with rock guard	○
COUNTERWEIGHT	Semi heavier C/W (8,590 kg)	●
UNDERCARRIAGE	600 mm HD steel shoe	●
	600 mm HD double grouser shoe	○
	Track guides (three 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 and 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)	○
	3-side 270-degree camera system	●
	Seatbelt indicator on display	●
	Travel alarm	○
	Emergency escape hammer	●
OTHERS	Refueling pump	●
	Harness for engine room light	●
	RAL color	●
	GEOSCAN	●

*The air conditioning system on this machine contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 1.0 kg (CO_2 equivalent 1.5 t)
Note: Bluetooth® is a registered trademark of the Bluetooth SIG Inc.

MEMO