

KOBELCO

SK1300DLC-11

Performance  Design

Ultra High Reach Demolition Machine



Complies with the EU Stage V
exhaust emission regulation

Built for Perfectionists

Performance Design

PERFORMANCE — Constant pursuit of efficiency and productivity with more power, more speed.

DESIGN — Operator-centric with an uncompromising stance on ease-of-use and comfort. The SK1300DLC is a new super-large building demolition machine that further enhances these combined values.

With six specifications, including a 4-piece high reach demolition attachment spec with a working height of 40 m, and a separate boom spec that covers powerful lifting and underground digging with a large front attachment, you can select the specification that best suits your work.

With its wide range of specifications and optimal performance, the SK1300DLC offers users greater value than ever before by turning increasingly stringent transport regulations into an advantage thanks to its easy disassembly for transport and shared attachments, which reduce initial costs.

KOBELCO continues to strive to create products that are unique and unparalleled.

SK1300D_{LC}

Ultra-high reach, with multiple boom and arm configurations providing flexibility.

■ 4-piece ultra long attachment specification [40m type / 35m type]

■ 3-piece ultra long attachment specification [35m type / 31m type]

■ Separate boom specification with insert

■ Separate boom specification [Normal mode / Foundation mode]



*Jib cylinders and boom cylinders have guards fitted to the actual equipment.

Redefining High-Reach Demolition. Height Expands Your Options

4-piece Ultra long attachment specification

Equipped with NEXT ADVANCE, a flexible configuration ultra-high reach demolition attachment solution.

The new NEXT ADVANCE high reach demolition attachment was developed to achieve greater working heights, with improved tool capacities. The unique new articulated structure of the 4-piece ultra long attachment make it possible to greatly overcome current operational limits of other 100 ton-class machines.



Exclusive articulated insert boom

One example of the new NEXT ADVANCE technology is the introduction of articulation joints to the insert boom. By keeping the centre of gravity of the overall machine lower, even larger crushers can be used without the need to increase overall base machine weight.

Choose from 40 m and 35 m height configurations

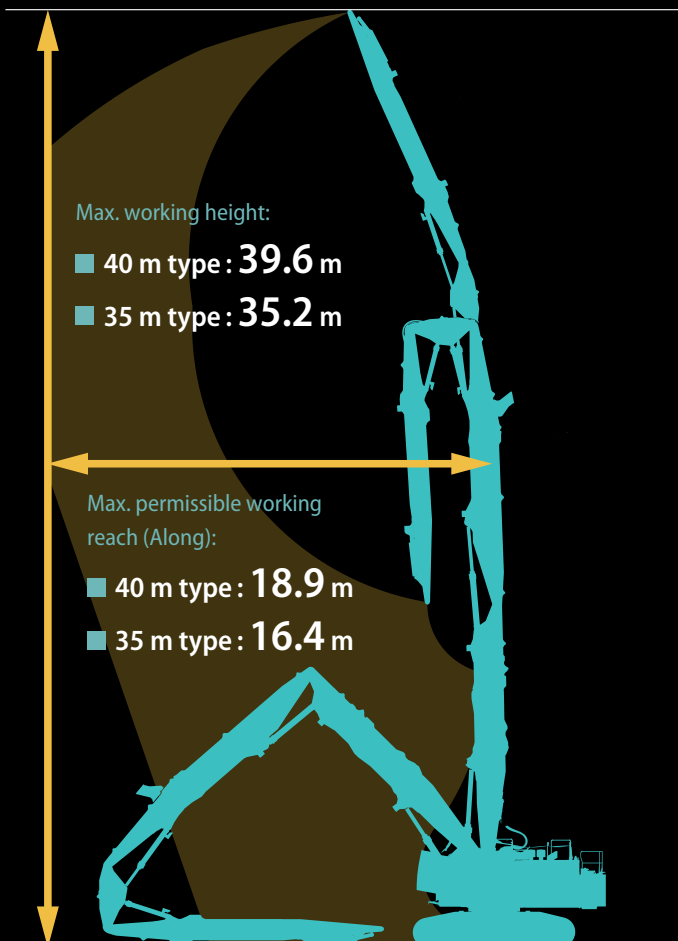
Adding a 4-piece attachment configuration to the 130 t class has allowed a max height of 40 m—previously limited only to larger machines. Choose the 35 m boom configuration to support even larger crushers.

Max. tool weight:

■ 40 m type : 4.3 t

■ 35 m type : 5.2 t

■ Working range



3-piece ultra long attachment specification

Large working radius utilises machine's full reach capability

The 3-Piece configuration is designed for optimal balance between working height and working reach. With this balanced set-up, the customer can cover a broad range of demolition scenarios.

Choose from 35 m and 31 m height configurations

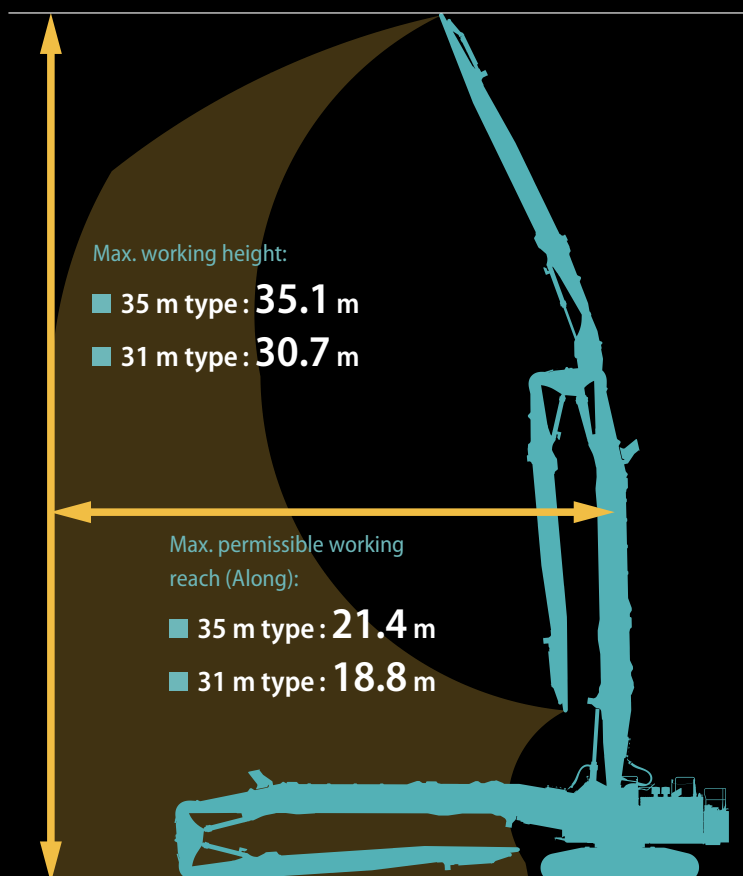
The 3-piece attachment configuration offers two options, 35 m height and 31 m height. These have working reach of 21 m and 19 m respectively, which are greater than the 4-piece specification.

Max. tool weight:

■ 35 m type: **5.0 t**

■ 31 m type: **6.1 t**

■ Working range



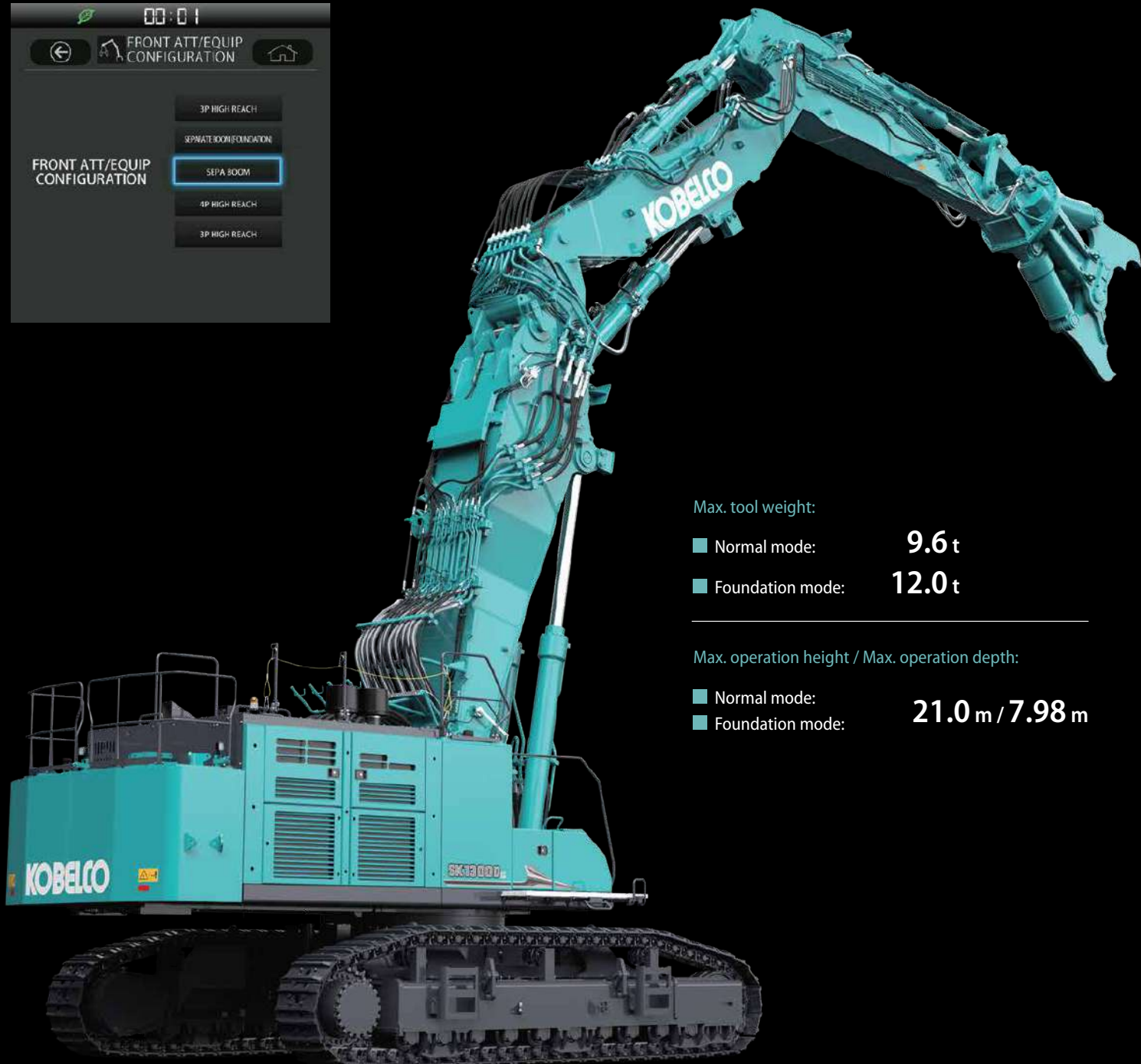
Smarter Choices for Low-Level and Foundation Work

Separate boom specification

Wide working range envelope with powerful lift capacity

The separate boom specification allows for a wide range of applications, from low-level building demolition to foundation demolition. There are two settings: Normal mode and Foundation mode. Normal mode provides a good balance between maximum tool weight and working range, making it suitable for various demolition situations.

In foundation mode, a larger crusher can be attached, allowing for powerful and efficient work especially in foundation demolition. The two modes can be easily switched on the monitor.

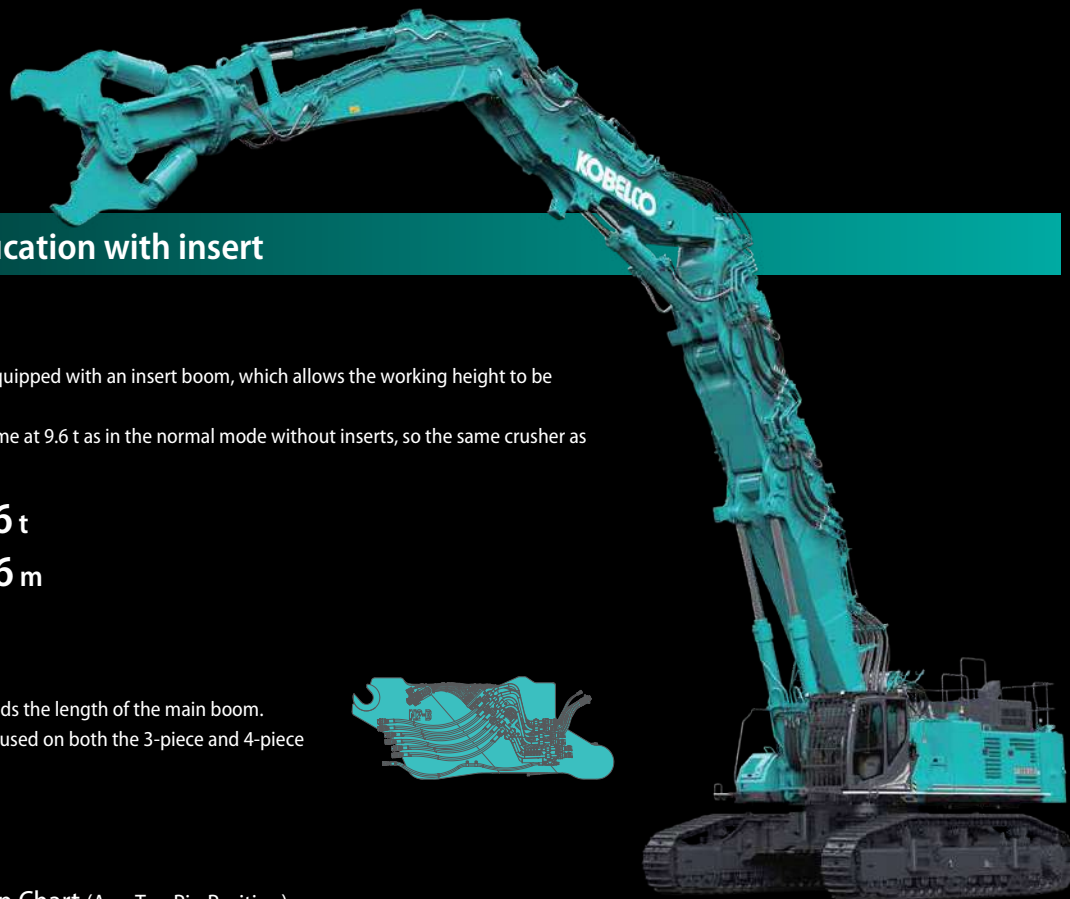


Max. tool weight:

■ Normal mode:	9.6 t
■ Foundation mode:	12.0 t

Max. operation height / Max. operation depth:

■ Normal mode:	21.0 m / 7.98 m
■ Foundation mode:	



Separate boom specification with insert

To reach higher place

The separate boom specification can be equipped with an insert boom, which allows the working height to be extended up to 24 m above ground.

The maximum tool weight remains the same at 9.6 t as in the normal mode without inserts, so the same crusher as without inserts can be used.

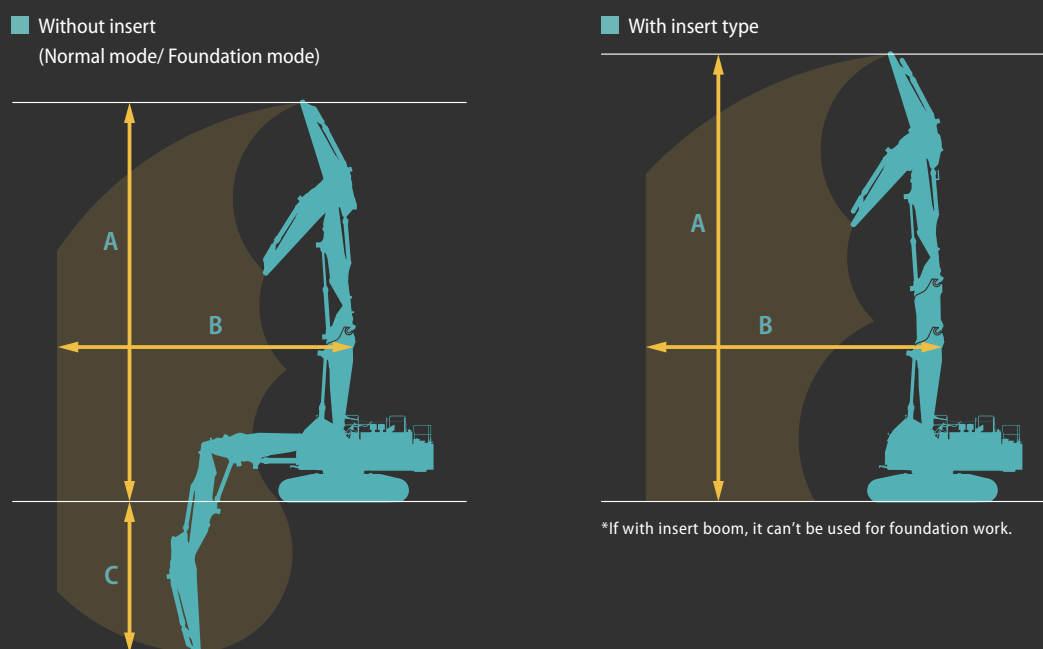
Max. tool weight: **9.6 t**

Max. operation height : **23.6 m**

Insert boom (short type) [N2-B]

The Insert boom (N2-B) is a part that extends the length of the main boom. It is a highly versatile part that can also be used on both the 3-piece and 4-piece ultra long attachment.

■ Working Ranges Comparison Chart (Arm Top Pin Position)



			Without insert		With insert
			Foundation mode	Normal mode	Normal mode
A Max. operation height		m	21.0	21.0	23.6
B Max. operation reach	Front swing	m	14.2	15.1	15.1
	Side swing	m	12.6	13.5	13.6
C Max. operation depth		m	7.98	7.98	
Max. tool weight		kg	12,000	9,600	9,600

A New Dimension in Streamlining and Speeding Up Jobsite Preparation

Subframe structure enables 32-ton transportation

The main boom attachment point uses a unique modular subframe structure with a simple alignment mechanism that allows easy removal and installation of the main boom structure when required. The guide structure and the hydraulic pin make it easy to remove and install the main boom, achieving a base machine transportation mass of 32 tonnes or less, simplifying transport in urban environments.

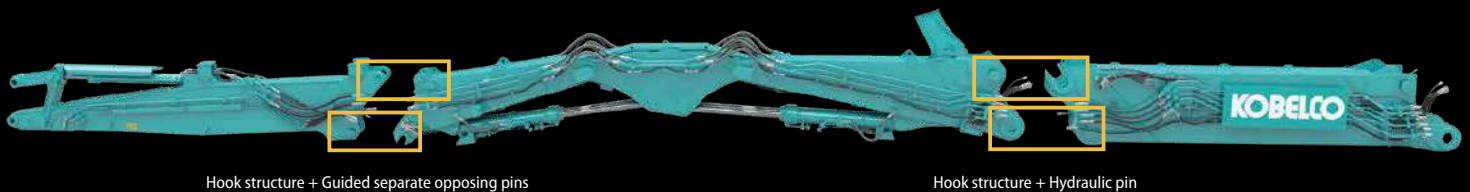
Main boom disassembly time: **Approx. 2 hours**

Transportation mass of base machine: **Approx. 32 t**
(Height: Approx. 4.1m <including trailer bed>, Width: Approx. 3.2m)



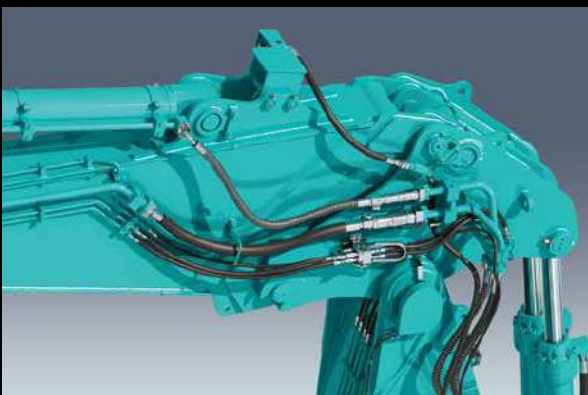
New arm connection design reduces assembly time

A newly developed split arm design simplifies installation of arm segments. A hook structure with separate opposing pins and a guide are used in conjunction with a hydraulic pin connection to reduce the time required for assembly and disassembly.



Safe and quick hydraulic connection

Hydraulic pipes are installed on the left and right sides of the attachment for improved reliability and ease of assembly. During assembly and disassembly, hydraulic connectors can be safely coupled without the need to climb on top of the attachment. A single action multi-line coupler system has been implemented for the connection of small diameter pipes, reducing setup time.

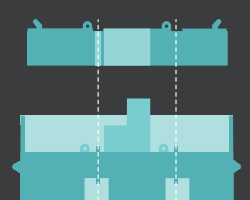


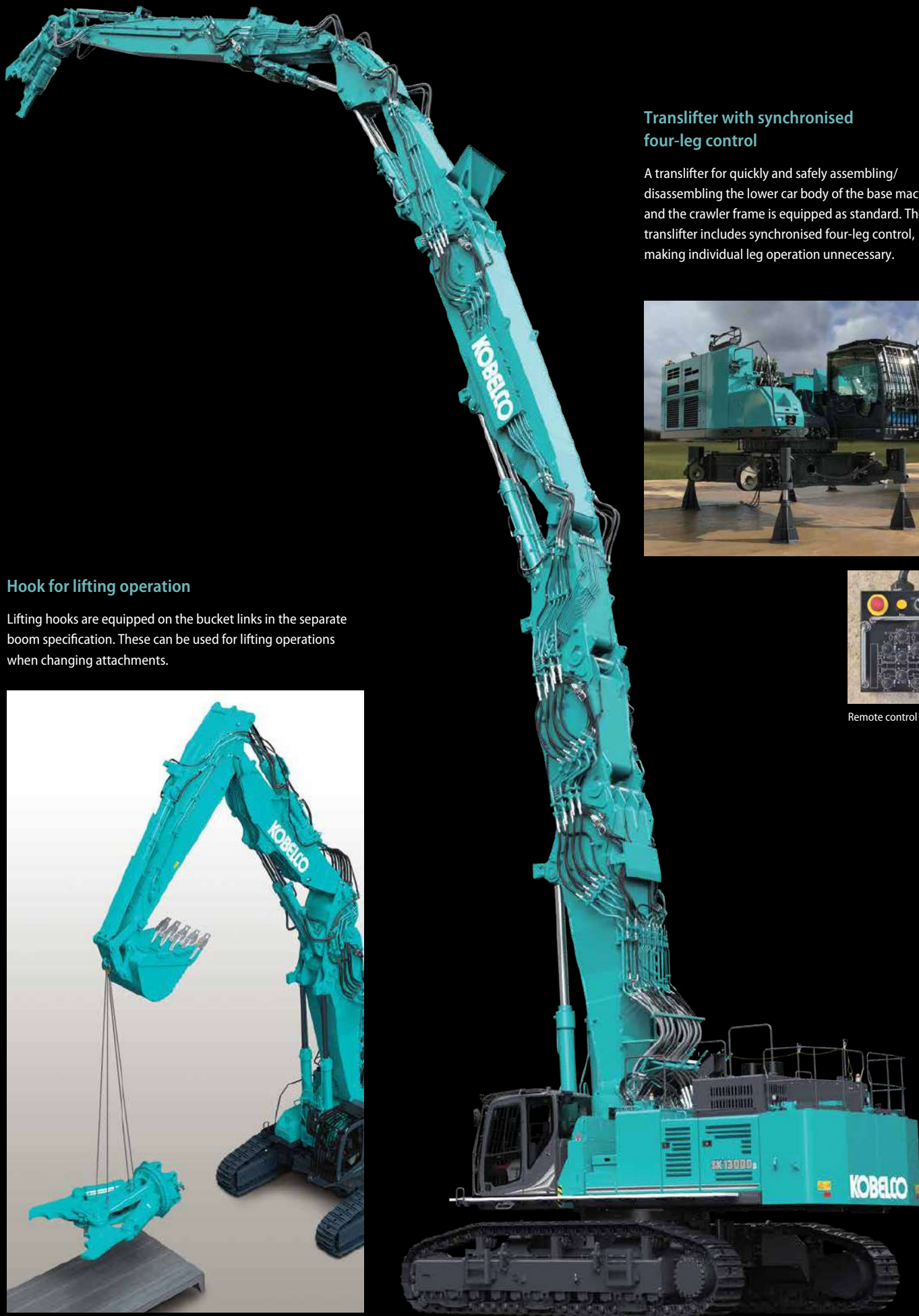
Two piece counterweight with steps

A two-piece counterweight design improves ease of transport. Both counterweights are encased in a single frame; the lower counterweight incorporates a stepped design to improve accessibility for assembly and disassembly.

Upper weight:
Approx. 7.8 t

Lower weight:
Approx. 14.1 t





Transifter with synchronised four-leg control

A transifter for quickly and safely assembling/disassembling the lower car body of the base machine and the crawler frame is equipped as standard. The transifter includes synchronised four-leg control, making individual leg operation unnecessary.



Remote control

Hook for lifting operation

Lifting hooks are equipped on the bucket links in the separate boom specification. These can be used for lifting operations when changing attachments.



A New Dimension in Design and Functionality

Operator station designed for all-day comfort and reduced fatigue

The spacious operator station minimises operator fatigue with its modern design and comfort inclusions.



In addition to the standard headrest, a large neck rest compatible with hard hats is also included.



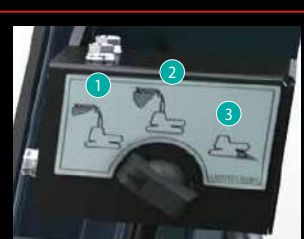
Sun screen for skylight



Information is consolidated in front of the operator. The monitor also remains within the sightline.

Monitoring cameras eliminate blind spots from the operator's seat

In addition to being able to see areas around the machine not visible to the naked eye, the operator can also quickly check demolition objects located near the front attachment from the operator's seat. Cameras are installed at four locations on the machine body (rear, right side, left side, and lower part of the upper frame), and one switchable camera is installed on the arm of the high reach demolition attachment/equipment spec machine. In addition to the large 10-inch monitor, an additional monitor can be added to display feeds from four cameras simultaneously. The operator can easily switch between the video feeds on the added monitor using the rotary switch.



Rotary switch

Selected image 1: Magnifier camera

Selected image 2: Wide-angle camera

Selected image 3: Under the upper body

*The arm camera is only installed on the ultra long attachment.

*The monitor image can be switched between three modes: the under-upper-frame camera, and the front attachment camera with wide view and zoomed-in view options.

Demolition spec cab with tilting function

A Demolition spec cab with a 30° tilt capability is equipped as standard for comfortably demolishing tall buildings where the operator spends a long time looking up. With no beam between the front window and skylight to block visibility and angled grids on the cab guard, good work visibility is maintained.



Excellent visibility (Front and Skylight)



Front guard and Top guard are standard



Cab can be tilted up to 30 degrees



LED Illumination

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

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.



Kobelco's Advanced Technologies for Maximum Uptime and Operator Safety

Dedicated building demolition machine display

Compatible with tilt cabs, the monitor displays the left-right and front-rear tilt of the base machine. The operator can also check the working radius and height on the monitor, enabling accurate understanding of the working status of the machine.

CUSTOM NIBBLER(1)	
3P HIGH REACH	
RADIUS	4.5m
HEIGHT	5.6m
BOOM ANGLE	92°
+ (Left tilt)	0.0°
- (Right tilt)	0.0°

Working height

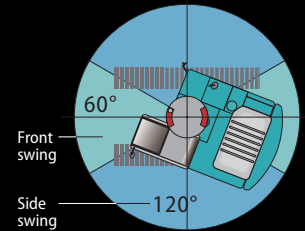
Base machine tilt

Stability warning system with longitudinal/horizontal detection

The device calculates the tipping danger area from the posture of the attachment and swing angle of upper structure, and if it detects a dangerous situation, it alerts the operator with an alarm and a warning on the screen. System distinguishes between the front and sides by detecting the position relative to the upper structure and crawler. As the system recognises that the safe working range differs between the front and sides, the upper structure can swing within a wider restricted range for each.



Stability warning display



LED work light to keep visibility in low light or at night

Equipped with nine high brightness LED work lights. The lights keep the work area bright even in low light or at night. Work area safety can also be quickly confirmed.



Upper structure (1 light)



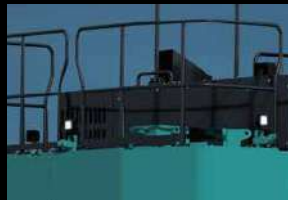
Cab top (2 lights)



Cab bottom (1 light)



Attachment (2 lights)



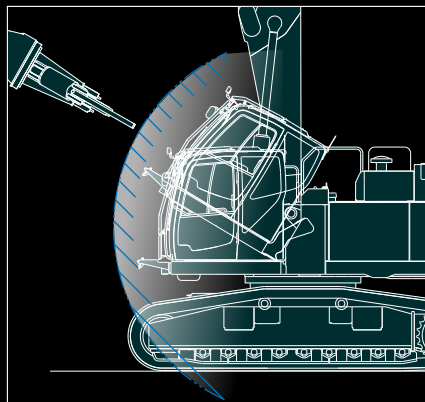
Counterweight (3 lights)

Cab interference prevention system with soft-stop feature

If the attachment comes within a certain distance of the cab, an alarm and warning on the screen alert the operator, and the attachment stops softly and automatically to protect the operator. Since there is no worry of contact, the operator can confidently perform lever operation even close to the cab.



Cab interference warning display





Jib cylinder guard (Only separate boom)
Jib cylinder guarding is installed to prevent damage during demolition operations.



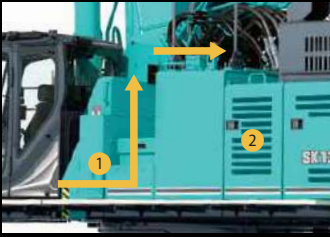
Bucket cylinder guard
Bucket cylinder guarding is installed to prevent damage during demolition operations.



Water spray piping
Water spray piping with two-nozzle is provided on both the upper section and the right side of the arm.



4-piece control lever
The 4-piece control lever has been moved to a position that is easier to operate with grip operation.



Added left side access passage ①
Steps and handrails on the hydraulic oil tank provide easy access to the upper part of the machine.



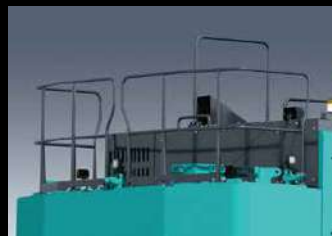
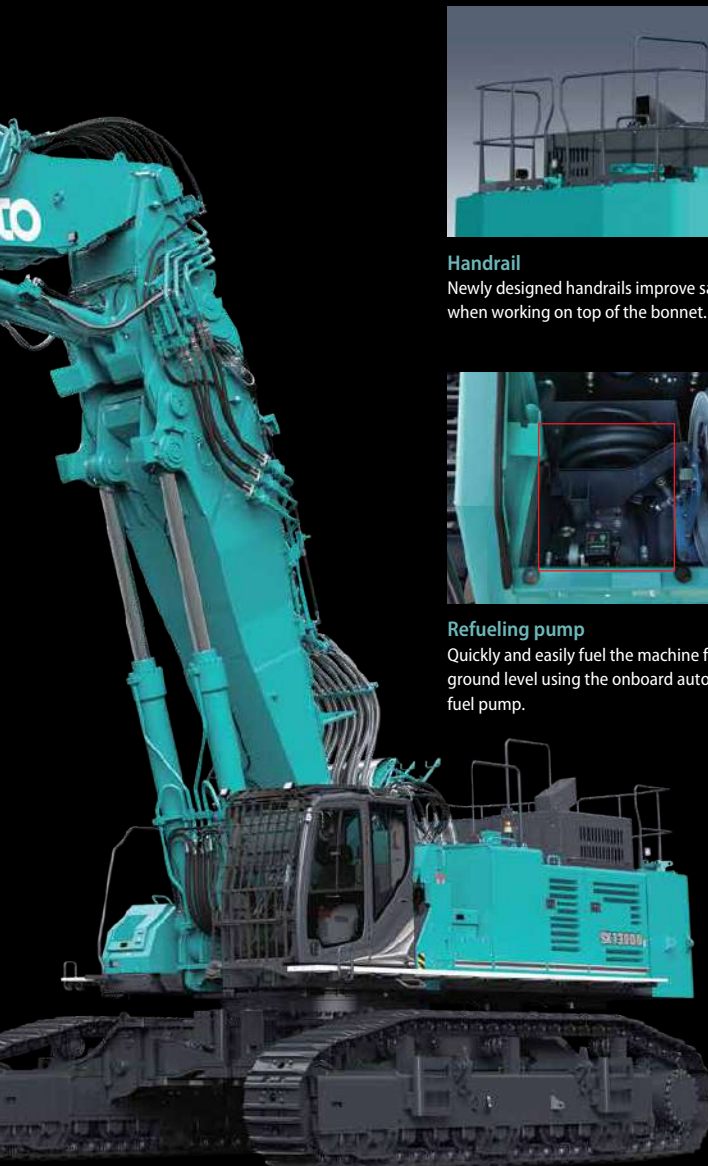
Maintenance walkway ②
A walkway is provided, allowing easy access to inspection and maintenance points.



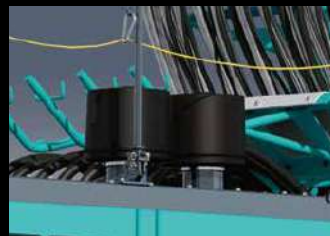
Reversible cooling fan
Reliability is improved with the automatic reversing fan, which reduces build-up of debris on the cooling package.



Removable walkway
Walkways are provided on both the left and right sides of the base of the machine, allowing easier access for maintenance.



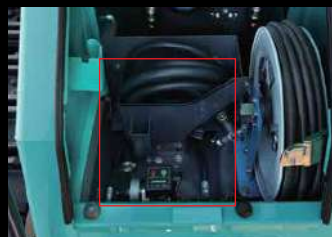
Handrail
Newly designed handrails improve safety when working on top of the bonnet.



Pre-air cleaner
A pre-air cleaner is equipped as standard. Contributes to reducing problems in harsh working sites.



Electric lubrication system
Greasing of each pin in the attachment's moving parts can be performed quickly and with minimal effort.



Refueling pump
Quickly and easily fuel the machine from ground level using the onboard automatic fuel pump.



Case drain filter
A first for the class, a hydraulic case drain filter is equipped for improved filtration and reliability.



Lower tool boxes
Tool boxes are equipped as standard at the front and rear of the lower frame. Allows storing of remote controllers, etc.



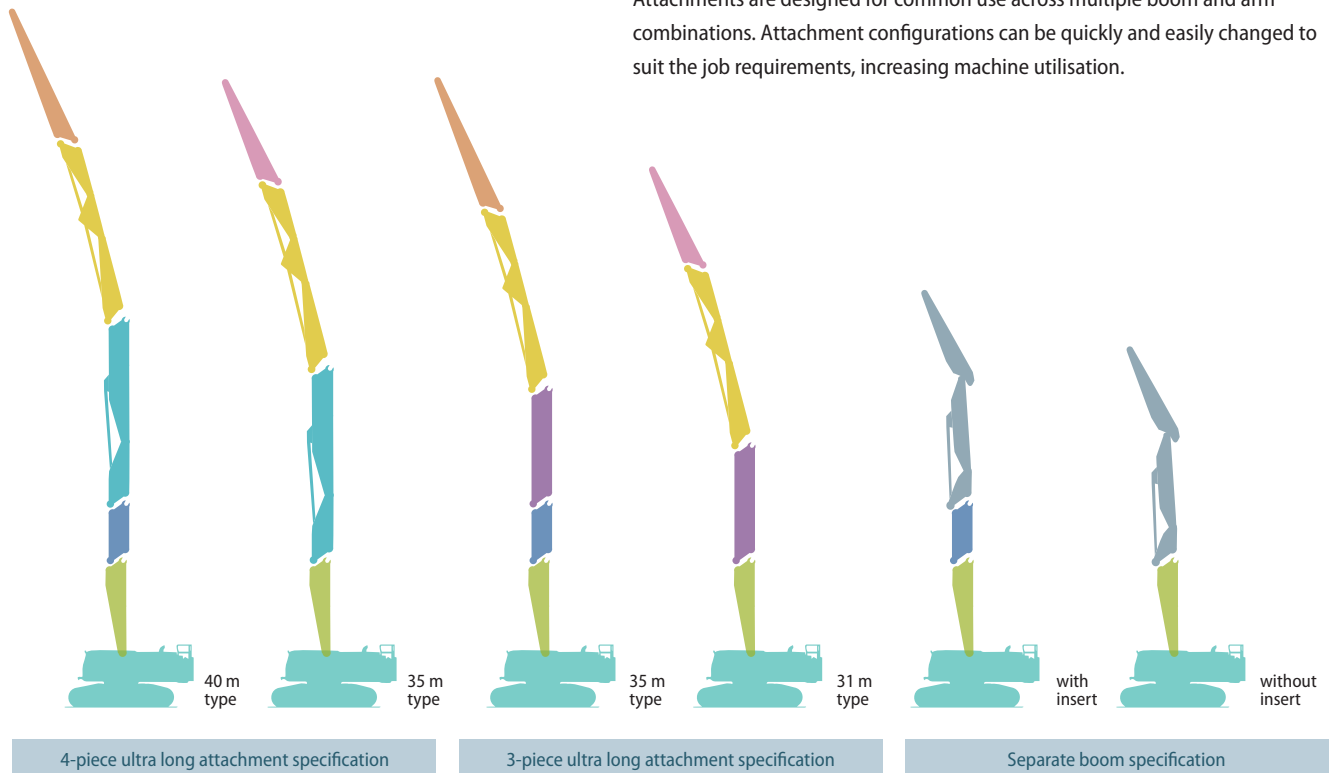
Safety valve
Boom, arm and jib cylinders are equipped with safety valves for increased safety.



Public address system (PA system)
Maintains safety by alerting workers in the area with clear audio quality.

New attachments designed for standardisation across multiple configurations

Attachments are designed for common use across multiple boom and arm combinations. Attachment configurations can be quickly and easily changed to suit the job requirements, increasing machine utilisation.



Attachment lineup and compatibility

* Same coloured attachments can be commonly used.

		4-piece ultra long attachment specification		3-piece ultra long attachment specification		Separate boom specification	
		40 m type	35 m type	35 m type	31 m type	with insert	without insert
Arm top pin diameter	mm	ø90	ø100	ø90	ø100	ø130	ø130
Front arm (semi long) [N8-B]		●		●			
Front arm (STD) [N8-A]			●		●		
Inter boom section [N5+N6+N7]		●	●	●	●		
Front boom for 4-piece [N3+N4]		●	●				
Adapter (long) [N2-A]				●	●		
Insert boom (short) [N2-B]		●		●		●	
Separate boom						●	●
Main boom (with sub-frame) [N1]		●	●	●	●	●	●

Specifications

SK1300D_{LC}
SK1300DLC-11



Engine

Model	ISUZU 6WG1
Type	Four-cycle, water-cooled, direct injection diesel engine, turbo charged, EU Stage V exhaust emission regulation
No. of cylinders	6
Bore and stroke	147 mm x 154 mm
Displacement	15.681 L
Rated power output	382 kW / 1,800 min ⁻¹ (ISO 14396: without fan)
Max. torque	2,250 N·m / 1,300 min ⁻¹ (ISO 14396: without fan)



Hydraulic System

Pump		
Type		Variable displacement piston pumps + gear pump + pilot pump
Max. discharge flow		2 x 504 L/min 1 x 49.3, 1 x 30.1 L/min
Relief valve setting		
Boom, arm and bucket		33.0 MPa
Power boost		34.0 MPa
Travel circuit		33.0 MPa
Swing circuit		25.9 MPa
Control circuit		5.0 MPa
Attachment circuit	open/close	25.0 MPa / 33.0 MPa (Factory setting / Max. setting)
	Rotation	20.6 MPa
Pilot control pump		Gear type
Main control valves		5+5+1 Spool valve × 1pc -spool
Oil cooler		Air cooled type



Swing System

Swing motor	Two fixed capacity axial piston motor
Brake	Hydraulic; locking automatically when the swing control lever is in the neutral position
Parking brake	Wet multiple plate
Swing speed	3.3 min ⁻¹ (Ultra long attachment) 6.0 min ⁻¹ (Separate boom)
Swing torque	315 kN·m



Refilling Capacities and lubrications

Fuel tank	960 L
Cooling system	87.9 L
Engine oil	57 L
Travel reduction gear	2 x 44 L
Swing reduction gear	2 x 16 L
Hydraulic oil tank	599 L tank oil level
	1,070 L hydraulic system
DEF/Urea tank	83 L



Travel System

Travel motors	2 x axial-piston, two-step motors
Travel brakes	Hydraulic brake per motor
Parking brake	Oil disc brake per motor
Travel shoes	55 each side
Travel speed (high / low)	4.2 / 2.6 km/h
Gradeability	18 % { 10 ° }



Cab and 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	
Three hand levers and one foot pedal for front attachment and swing	
Electric rotary-type engine throttle	
Noise levels	
External	108 dB(A) (2000 / 14 / EC)
Operator	74 dB(A) (ISO 6396)
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

bore x stroke (Unit: mm)

Attachment type	4-piece Ultra long attachment	
	40m type	35m type
Boom cylinders [N1]	240 x 2,305	
Second boom cylinders [N3+N4]	210 x 1,880	
Jib cylinders [N5+N6+N7]	190 x 1,580	
Arm cylinders [N5+N6+N7]	170 x 1,480	
Bucket cylinder [N8-B / N8-A]	150 x 1,193	160 x 1,410
Attachment type	3-piece Ultra long attachment	
	35m type	31m type
Boom cylinders [N1]	240 x 2,305	
Jib cylinders [N5+N6+N7]	190 x 1,580	
Arm cylinders [N5+N6+N7]	170 x 1,480	
Bucket cylinder [N8-B / N8-A]	150 x 1,193	160 x 1,410
Attachment type	Separate boom	
Boom cylinders [N1]	240 x 2,305	
Jib cylinders	190 x 1,745	
Arm cylinders	190 x 1,745	
Bucket cylinder	210 x 1,570	

Operating Weight & Ground Pressure

Attachment type	4-piece Ultra long attachment		
	40 m type	35 m type	
Operating weight	137,700 kg	133,600 kg	
Ground pressure	171 kPa	166 kPa	
Attachment type	3-piece Ultra long attachment		
	35 m type	31 m type	
Operating weight	131,200 kg	127,300 kg	
Ground pressure	163 kPa	158 kPa	
Attachment type	Separate boom		
	with insert boom	for normal mode	for foundation mode
Operating weight	132,200 kg	127,400 kg	129,800 kg
Ground pressure	164 kPa	158 kPa	161 kPa

*Counterweight & max. front attachment mass including.

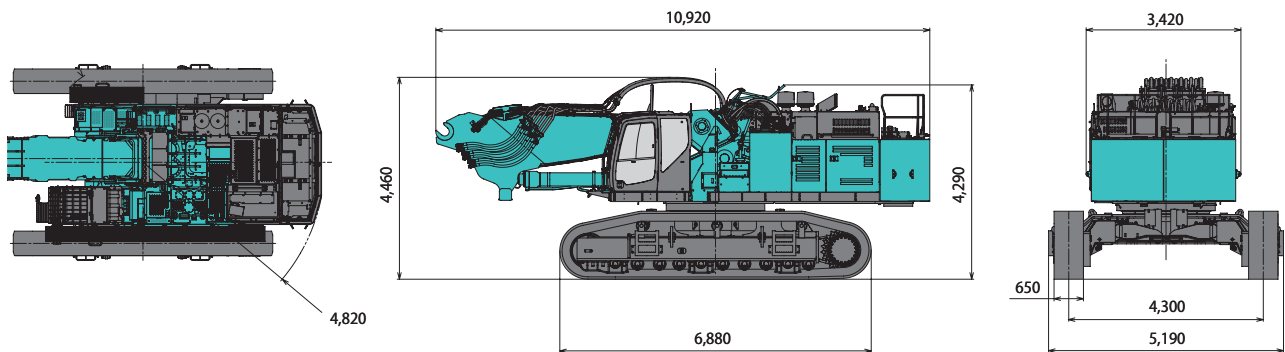
Specifications



Dimensions

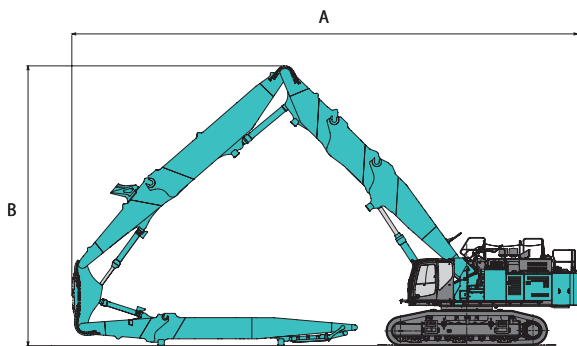
■ Dimensions (base machine + main boom)

Unit: mm



■ Assembled machine dimensions

● 4-piece ultra long attachment specification

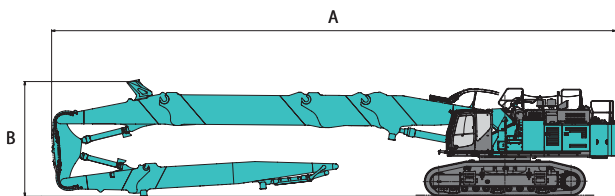


*The posted figure is 40 m type

Unit: mm

		40 m type	35 m type
A	Overall length	21,570	19,810
B	Overall height of ATT	11,920	10,750

● 3-piece ultra long attachment specification

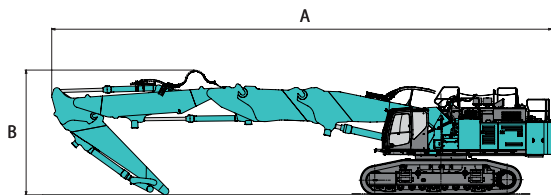


*The posted figure is 35 m type

Unit: mm

		35 m type	31m type
A	Overall length	24,090	21,550
B	Overall height of ATT	4,980	4,980

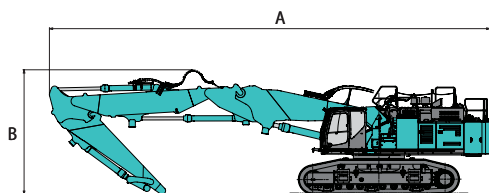
● Separate boom specification with insert



Unit: mm

		Separate boom + Insert
A	Overall length	21,350
B	Overall height of ATT	5,330

● Separate boom specification



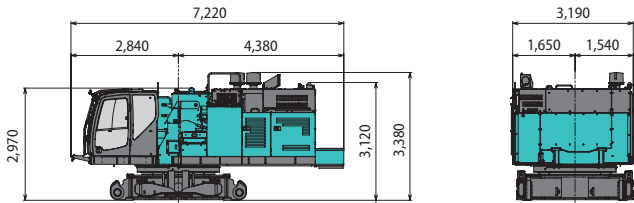
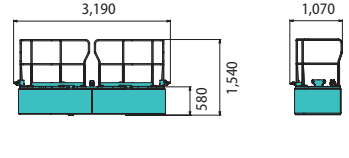
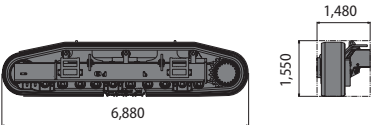
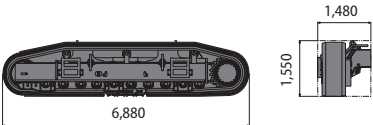
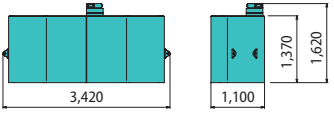
Unit: mm

		For normal mode	For foundation mode
A	Overall length	18,800	
B	Overall height of ATT	5,310	

Dimensions and mass when disassembled

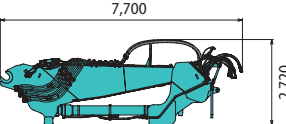
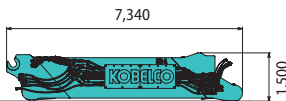
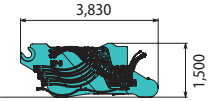
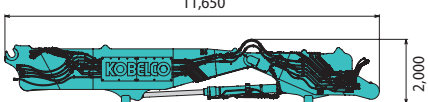
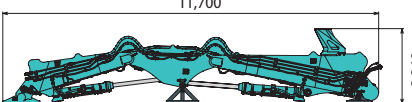
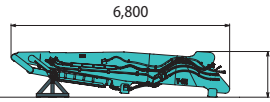
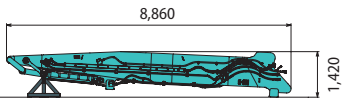
● Base machine

Unit: mm

Base machine (without counterweight, without crawler)  Weight: 32,200 kg		Counterweight (Internal weight+ Handrail)  Weight: 7,800 kg
Crawler (750 mm shoe / one side)  Weight: 30,200 kg (15,100 kg×2)	Crawler (650 mm shoe / one side)  Weight: 29,400 kg (14,700 kg×2)	Counterweight case  Weight: 14,100 kg

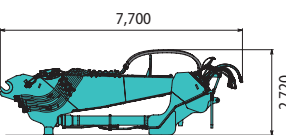
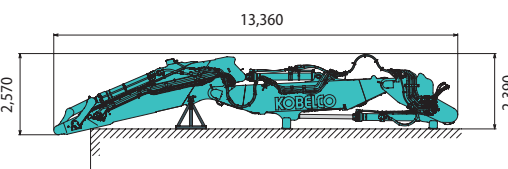
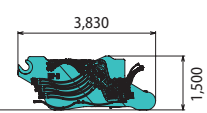
● Ultra long attachment

Unit: mm

Subframe+main boom [N1]  Width: 1,760 mm Weight: 15,800 kg	Adapter (long type) [N2-A]  3-piece / 35 m 3-piece / 31 m Width: 1,620 mm Weight: 6,380 kg	Insert boom (short type) [N2-B]  4-piece / 40 m 3-piece / 35 m separate with insert Width: 1,630mm Weight: 4,810 kg
Base front boom [N3]+rear boom [N4]  4-piece / 40 m 4-piece / 35 m Width: 1,630 mm Weight: 13,700 kg	Front boom [N5]+inter boom [N6]+rear arm [N7]  4-piece / 40 m 4-piece / 35 m 3-piece / 35 m 3-piece / 31 m Width: 1,400 mm Weight: 11,400 kg	
Front arm (standard type) [N8-A]  4-piece / 40 m 3-piece / 31 m Width: 1,050 mm Weight: 4,130 kg	Front arm (semi long type) [N8-B]  4-piece / 40 m 3-piece / 35 m Width: 1,010 mm Weight: 4,280 kg	

● Separate attachment

Unit: mm

Subframe+main boom [N1]  Width: 1,760 mm Weight: 15,800 kg	Base front boom+front boom+mono arm  Width: 1,630 mm Weight: 18,100 kg	Insert boom (short type) [N2-B]  Width: 1,630 mm Weight: 4,810 kg
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Specifications



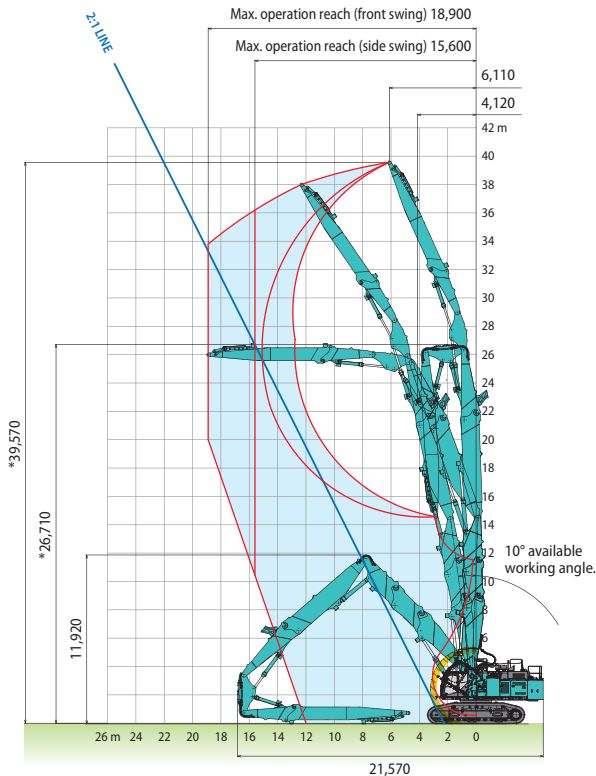
Working Ranges

4-piece ultra long attachment specification

Unit: mm

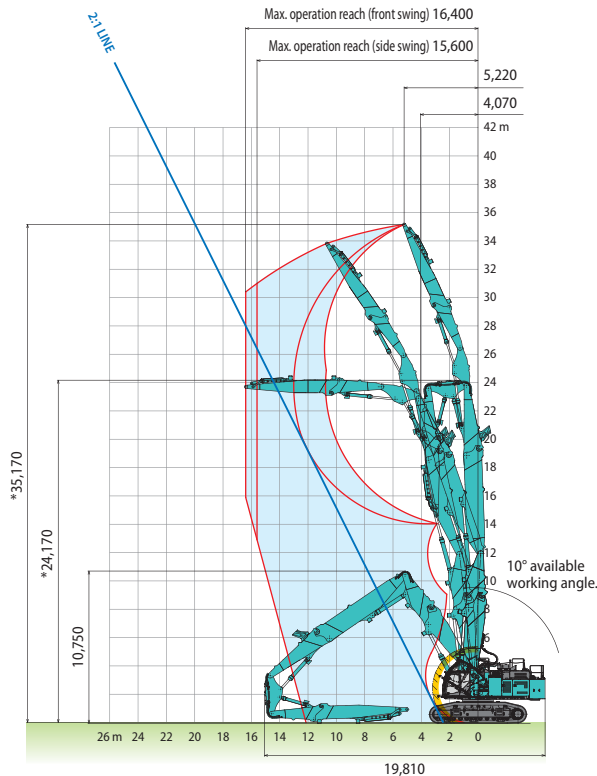
● 40 m type

Max. tool weight = 4,300 kg



● 35 m type

Max. tool weight = 5,200 kg

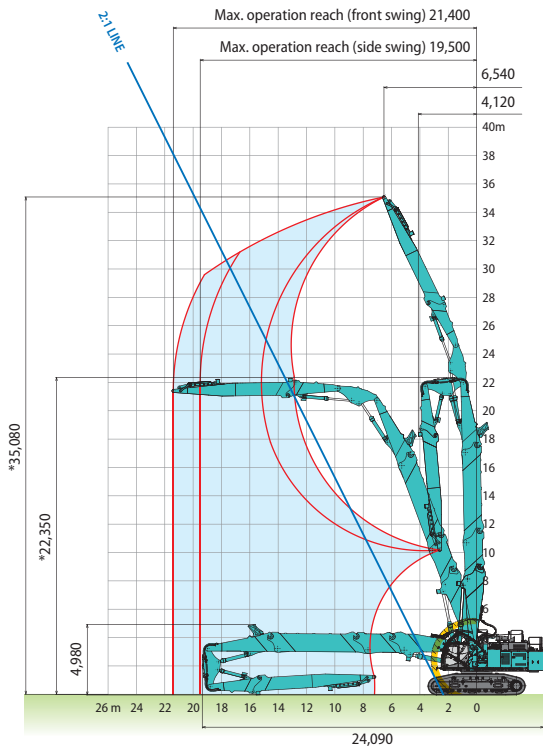


3-piece ultra long attachment specification

Unit: mm

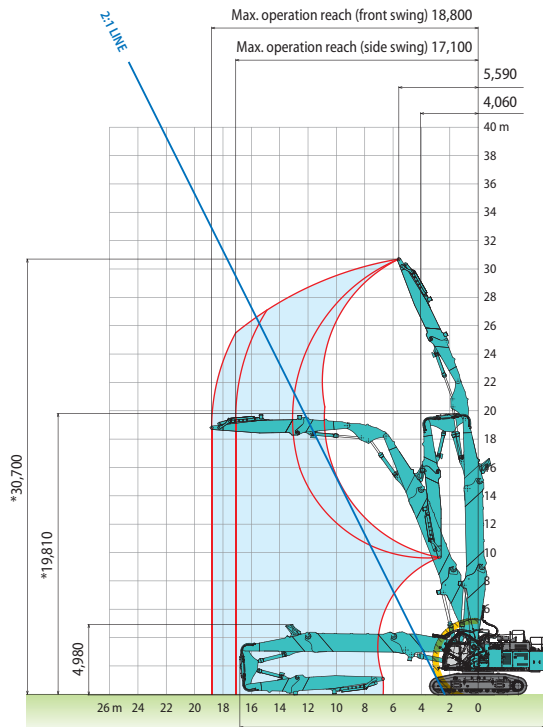
● 35 m type

Max. tool weight = 5,050 kg



● 31 m type

Max. tool weight = 6,100 kg

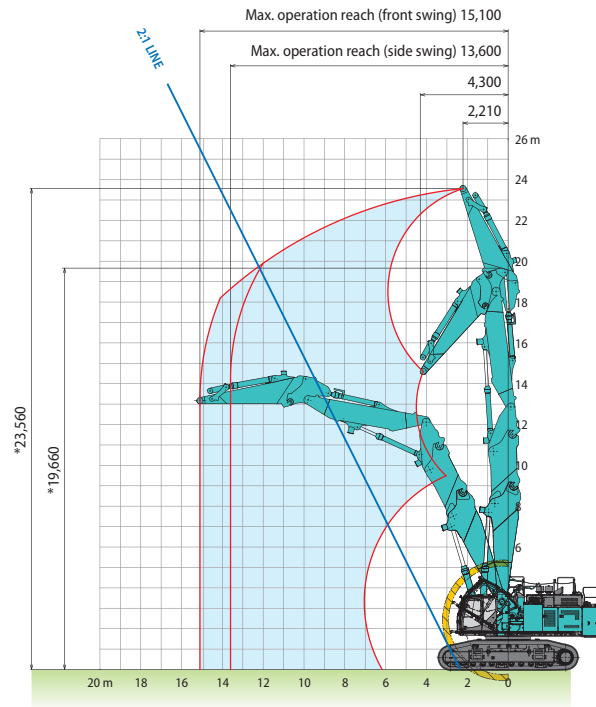


*Without including height of shoe lug. *Cab interference prevention system operating area. *Max tool weight, operation height, and working range provided in this brochure are based on the arm top pin.

Separate boom specification with insert

Unit: mm

Max. tool weight = 9,600 kg

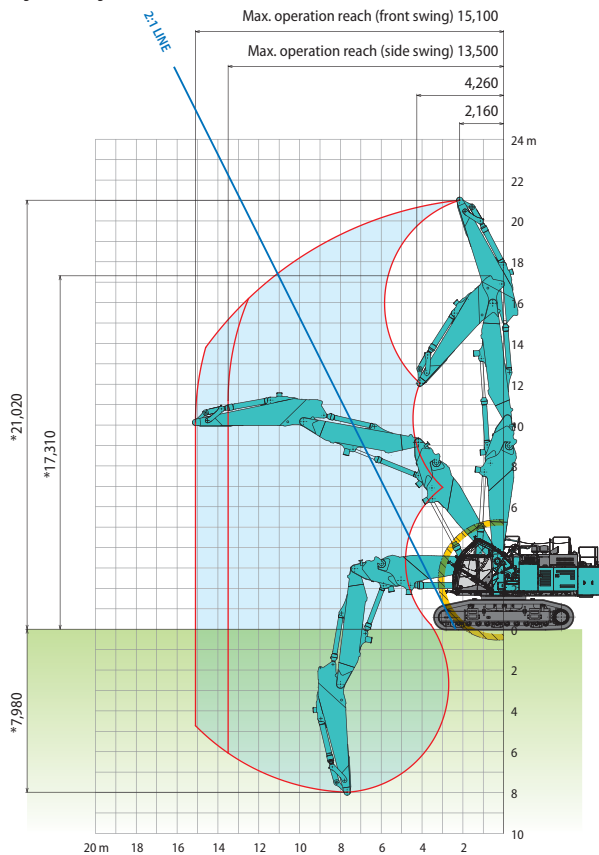


Separate boom specification

Unit: mm

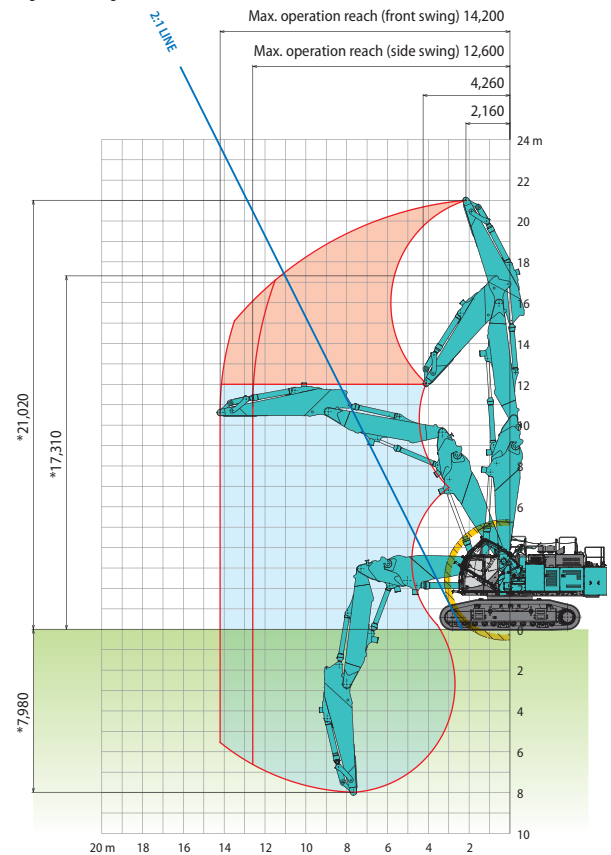
● For normal mode

Max. tool weight = 9,600 kg



● For foundation mode

Max. tool weight = 12,000 kg



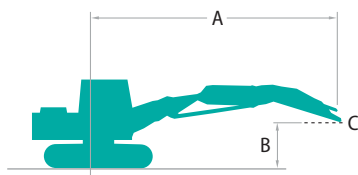
*Indicates the region where, depending on the posture, the cylinder cannot be held.

*Without including height of shoe lug.

*Cab interference prevention system operating area.

*Max tool weight, operation height, and working range provided in this brochure are based on the arm top pin.

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: 33.0 MPa

SK1300DLC		Separate boom (without insert)		Front attachment: without		Counterweight: 21,900 kg		Shoe: 650 mm					
B Height	Radius A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m	
19.5m	kg			*19,850	*19,850	*12,480	*12,480	*12,960	*12,960				
18.0m	kg					*16,800	*16,800	*16,630	*16,630	*9,570	*9,570		
16.5m	kg					*14,800	*14,800	*15,290	*15,290	*8,090	*8,090	*8,160	*8,160
15.0m	kg					*13,260	*13,260	*14,140	*14,140	*14,850	*14,850	*7,300	*7,300
13.5m	kg					*12,360	*12,360	*13,580	*13,580	*14,560	*14,560	*6,850	*6,850
12.0m	kg			*10,700	*10,700	*12,600	*12,600	*14,080	*14,080	*15,150	*15,150	*15,790	*15,790
10.5m	kg			*19,190	*19,190	*18,450	*18,450	*17,540	*17,540	*17,690	*17,690	*17,660	*17,660
9.0m	kg			*48,030	*48,030	*42,090	*42,090	*34,420	*34,420	*25,820	*25,820	*15,190	*15,190
7.5m	kg			*53,220	*53,220	*42,490	*42,490	*35,570	*35,570	*22,690	*22,690	*19,210	*19,210
6.0m	kg			*23,370	*23,370	*28,790	*28,790	*29,090	*29,090	*24,590	24,080	*21,630	19,050
4.5m	kg					*19,080	*19,080	*24,830	*24,830	*26,570	22,400	*22,920	17,680
3.0m	kg					*15,660	*15,660	*19,230	*19,230	*26,840	20,970	*23,820	16,620
1.5m	kg			*14,390	*14,390	*14,530	*14,530	*16,870	*16,870	*22,300	19,950	*22,100	15,910
G.L.	kg			*14,700	*14,700	*14,240	*14,240	*15,920	*15,920	*20,450	19,400	*19,820	15,530
-1.5m	kg	*22,060	*22,060	*26,600	*26,600	*38,250	*38,250	*15,710	*15,710	*17,530	*17,530	*17,030	15,410
-3.0m	kg	*26,710	*26,710	*31,960	*31,960	*43,560	42,340	*36,540	29,700	*30,200	22,750	*13,720	*13,720
-4.5m	kg			*37,630	*37,630	*42,360	*42,360	*34,640	29,560	*28,830	22,520	*24,270	18,080
-6.0m	kg			*43,650	*43,650	*38,090	*38,090	*31,510	29,850	*26,260	22,690	*21,430	18,050
-7.5m	kg					*31,790	*31,790	*26,470	*26,470	*21,120	*21,120	*15,600	*15,600

SK1300DLC		Separate boom (without insert), Front attachment: without Counterweight: 21,900 kg Shoe: 650 mm												
B Height	Radius A	12.0 m		13.5 m		15.0 m		16.5 m		18.0 m		At Max. Reach		
														Radius
19.5m	kg											*13,240	*13,240	7.70 m
18.0m	kg											*10,420	*10,420	10.35 m
16.5m	kg	*8,720	*8,720									*9,000	*9,000	12.25 m
15.0m	kg	*7,410	*7,410	*7,920	*7,920							*8,130	*8,130	13.72 m
13.5m	kg	*6,870	*6,870	*7,010	*7,010							*7,550	*7,550	14.89 m
12.0m	kg	*6,620	*6,620	*6,670	*6,670	*6,820	*6,820					*7,150	*7,150	15.83 m
10.5m	kg	*6,560	*6,560	*6,560	*6,560	*6,590	*6,590	*6,830	*6,830			*6,870	*6,870	16.58 m
9.0m	kg	*9,660	*9,660	*6,620	*6,620	*6,570	*6,570	*6,570	*6,570			*6,690	*6,690	17.16 m
7.5m	kg	*13,300	*13,300	*6,850	*6,850	*6,720	*6,720	*6,580	*6,580			*6,590	*6,590	17.59 m
6.0m	kg	*16,960	15,620	*7,510	*7,510	*7,010	*7,010	*6,740	*6,740			*6,560	*6,560	17.88 m
4.5m	kg	*20,390	14,660	*9,880	*9,880	*7,430	*7,430	*7,000	*7,000	*6,600	*6,600	*6,590	*6,590	18.05 m
3.0m	kg	19,800	13,870	*11,380	*11,380	*7,990	*7,990	*7,350	*7,350	*6,720	*6,720	*6,680	*6,680	18.08 m
1.5m	kg	19,180	13,270	*11,560	11,240	*8,670	*8,670	*7,760	*7,760			*6,840	*6,840	17.99 m
G.L.	kg	*17,650	12,900	*10,910	*10,910	*9,430	9,390	*8,160	*8,160			*7,090	*7,090	17.77 m
-1.5m	kg	*15,430	12,740	*12,280	10,790	*10,170	9,310	*8,480	8,180			*7,210	*7,210	17.30 m
-3.0m	kg	*12,670	*12,670	*11,070	10,810	*9,030	*9,030					*7,820	*7,820	16.48 m
-4.5m	kg	*19,930	14,720	*14,620	11,970	*10,190	9,970					*8,830	*8,830	15.31 m
-6.0m	kg	*16,280	14,480	*11,010	11,010							*10,660	*10,660	13.59 m
-7.5m	kg											*15,460	*15,460	10.54 m

Notes:

- 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.
- 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.
- Arm top 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.
- Lift capacities apply to only machine as originally manufactured and normally equipped by KOBELCO CONSTRUCTION MACHINERY CO., LTD.
- Use this machine in the following applications. In specification for ultra long attachment type, demolition work. In specification for separate boom type, demolition work & loading work. Never use the machine for any purpose other than the above applications.
- Please read carefully the manual before using machine.

Standard and Optional Equipment

SK1300D^{LC}
SK1300DLC-11

● =Std ○ =Opt — =not available

Category	Description	SK1300DLC-11	
		Separate boom Attachment	Ultra long Attachment (3 piece / 4 piece)
ENGINE	ISUZU 6WG1 (EU Stage V compliant)	●	●
	Exhaust DOC DPD SCR system	●	●
	Alternator 24 V /90 A	●	●
	Starter motor 24 V/7 kW	●	●
	Batteries 2x 12 V (205 Ah)	●	●
	Reversible hydraulic drive cooling fan	●	●
	Auto deceleration function	●	●
	Auto idle stop (AIS)	●	●
HYDRAULIC SYSTEM	3 work modes H, S, Eco	●	●
	Power boost (34.0 MPa)	●	●
	Pressure release function	●	●
	Auto warm up system	●	●
	Proportional Hand Control (for Rotation & N&B piping)	●	●
	Hydraulic oil VG32	●	●
	Hydraulic oil VG46	○	○
PIPING	Hydraulic oil VG68	○	○
	Rotation & N&B piping	●	●
CABIN	QH piping	●	●
	Air suspension seat with heating	●	●
	10-inch colour monitor	●	●
	LED door light	●	●
	Air-conditioner	●	●
	DAB+ radio (FM/AM & AUX & USB & Bluetooth* & hands-free telephone)	●	●
	Wiper for DS Cabin	●	●
	12 V power outlet	●	●
	Sun screen	●	●
	Large footrest	●	●
LIGHTS	LED work lights ; 2 on cab top, 1 on cab bottom, 1 on upper structure	●	●
	LED work lights ; 3 on counterweight	●	●
	LED work lights ; 2 on boom	●	—
	LED work lights ; 2 on arm	—	●
WORKING EQUIPMENT	Dual system water spray (only piping)	●	●
	Bucket link with lifting hook	●	—
COUNTERWEIGHT	Layered C/W (TTL 21,900 kg)	●	●
UNDERCARRIAGE	Hydraulic pin joint type undercarriage and translifter	●	●
	650mm steel shoe	●	●
	750mm steel shoe	○	○
	Track guides (three per side)	●	●
SAFETY	Engine emergency stop switch	●	●
	Emergency accel dial	●	●
	Emergency manual valve for lowering attachment	●	●
	Emergency manual valve for lowering cab	●	●
	Overload alarm	●	—
	Safety valve for boom & arm & jib cylinder	●	●
	Safety valve for second boom cylinder for 4 piece	—	●
	Demolition spec cab (P5A glass, Tilting function)	●	●
	OPG Level II top guard (ISO 10262;1998)	●	●
	OPG Level II front guard (ISO 10262;1998)	●	●
	Eagle-eye view camera (Rear, Right, Left)	●	●
	Additional monitor	●	●
	Arm camera	—	●
	Cab lower mirror	●	●
	Falling object deflector	—	●
	Travel alarm	●	●
	Cab interference prevention system	●	●
	Stability warning system	●	●
	Walkway (Left & Right side)	●	●
	Handrail + stanchion + wire rope	●	●
	Public address system	●	●
	Emergency escape hammer	●	●
OTHERS	Refueling pump	●	●
	Electric pump for lubrication	●	●
	Harness for engine room light	●	●
	NEXT pin removal equipment	●	●
	Cylinder guard (bucket & main boom)	●	●
	Cylinder guard (jib)	●	—
	RAL color	○	○
	KOMEXS	●	●

*The air conditioning system on this machine contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 1.2 kg (CO₂ equivalent 1.7 t)
Note: Bluetooth* is a registered trademark of the Bluetooth SIG Inc.



KOBELCO MONITORING EXCAVATOR SYSTEM



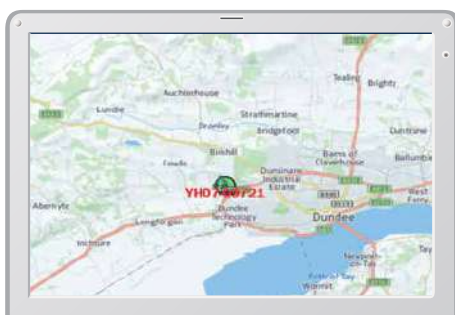
Remote Monitoring for Peace of Mind

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

Period	11 Apr. 2015	10 May, 2015	Search
Type of Operation	Working Hrs	Ratio	
Total Working Hrs	160 Hrs	100 %	
Digging Hrs	72.2 Hrs	43 %	
Traveling Hrs	18.3 Hrs	11 %	
Idle Hrs	15.9 Hrs	9 %	
Opt Att Hrs	62.5 Hrs	37 %	
Crane Mode Hrs	0 Hrs	0 %	

Work data

Operating Hours

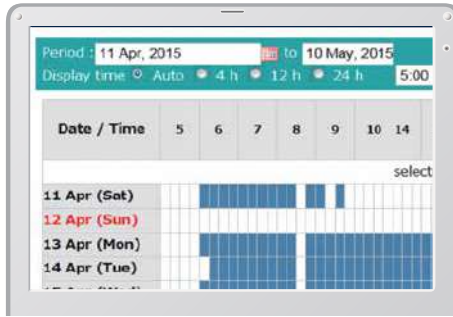
- A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
- Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

Fuel Consumption Data

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

Graph of Work Content

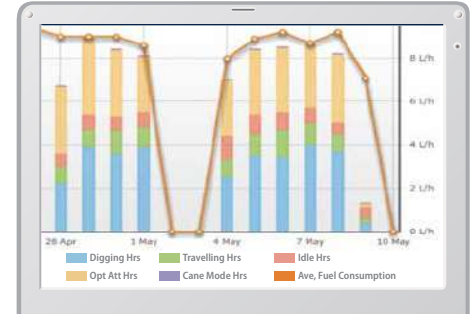
The graph shows how working hours are divided among different operating categories, including digging, idling, travelling and optional operations.



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	734 Hr	434
SK135SRLC-3/SK140SRL	YH07-09789	73 Hr	429
SK210LC-9	YQ13-10454	960 Hr	58
SK210LC-9	YQ13-10481	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

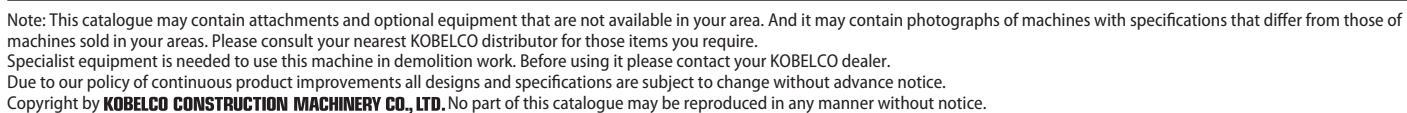
The system can be set an alarm if the machine is operated outside designated time.

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



www.kobelco-europe.com

