KOBELCO

Performance X Design

Building Demolition Machine

-11 SERIES

SK1300D LC

■ **Engine Power:**

512.3 hp {382 kW} @ 1,800 rpm
(SAE NET)

■ **Operating Weight:**

279,100 lbs {126,600kg} – 302,000 lbs {137,000 kg}



Complies with the latest exhaust emission regulations

US EPA Tier IV Final

Performance X 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.

SK1300DLC



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]


KOBELCO

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.

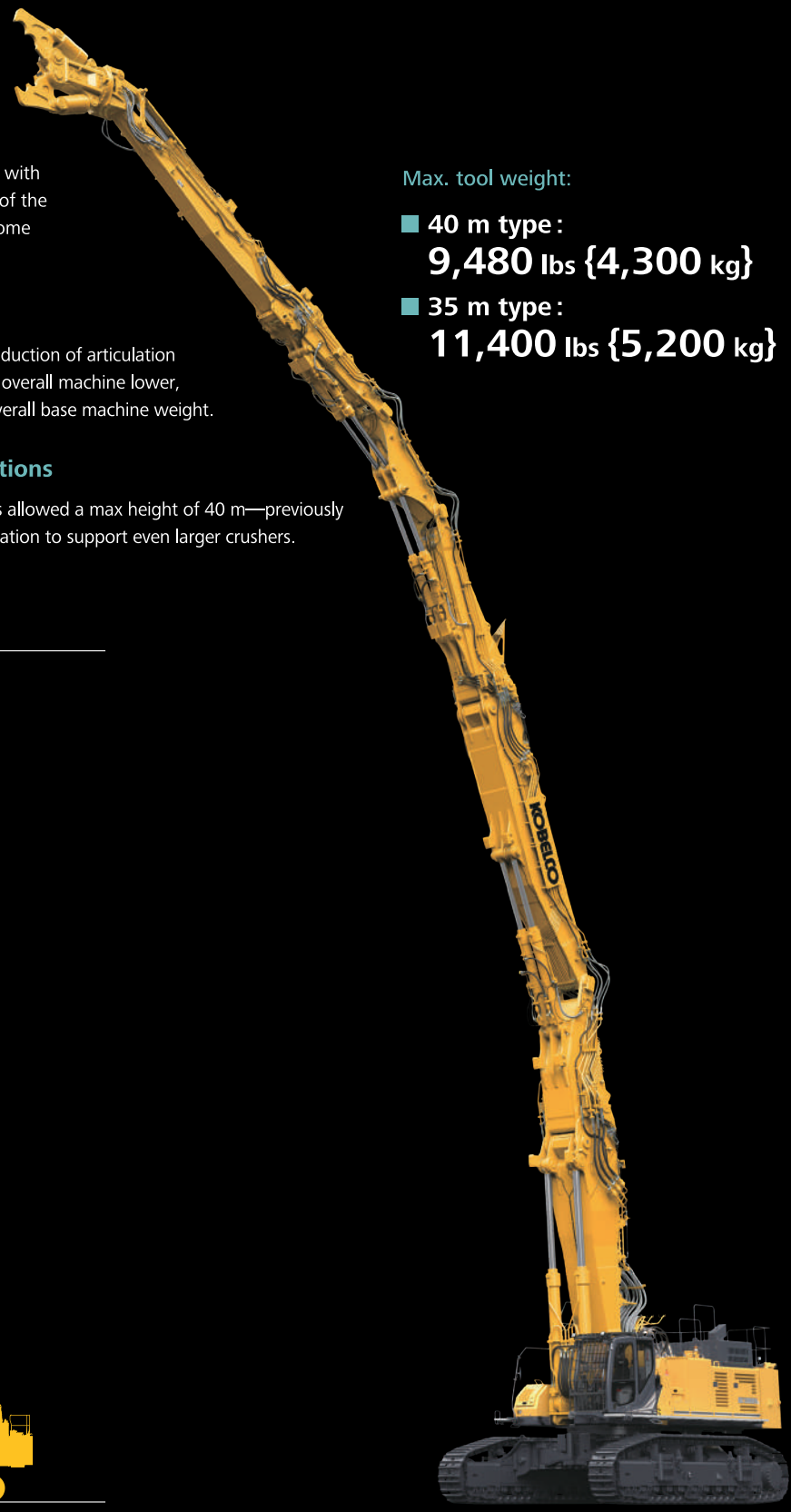
The new NEXT ADVANCE high reach demolition attachment was developed to achieve greater working heights, with improved tool capacities. The unique new articulated structure of the 4-piece ultra long attachment make it possible to greatly overcome current operational limits of other 100 ton-class machines.

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 center 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

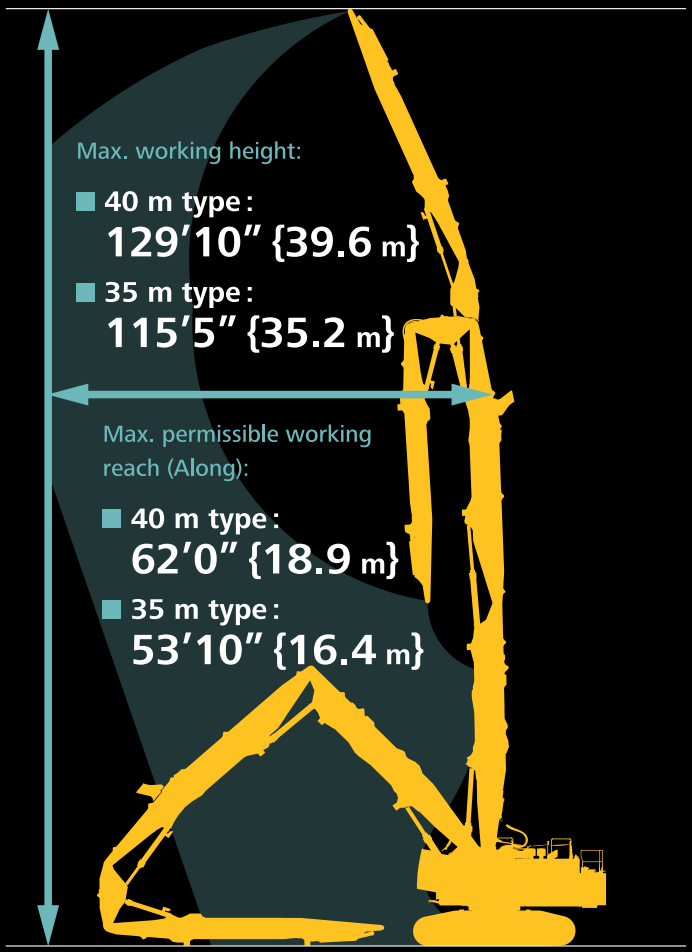
Adding a 4-piece attachment configuration to the 130 t class has allowed a max height of 40 m—previously limited only to larger machines. Choose the 35 m boom configuration to support even larger crushers.



Max. tool weight:

- 40 m type : **9,480 lbs {4,300 kg}**
- 35 m type : **11,400 lbs {5,200 kg}**

■ Working range



3-piece ultra long attachment specification

Large working radius utilizes 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

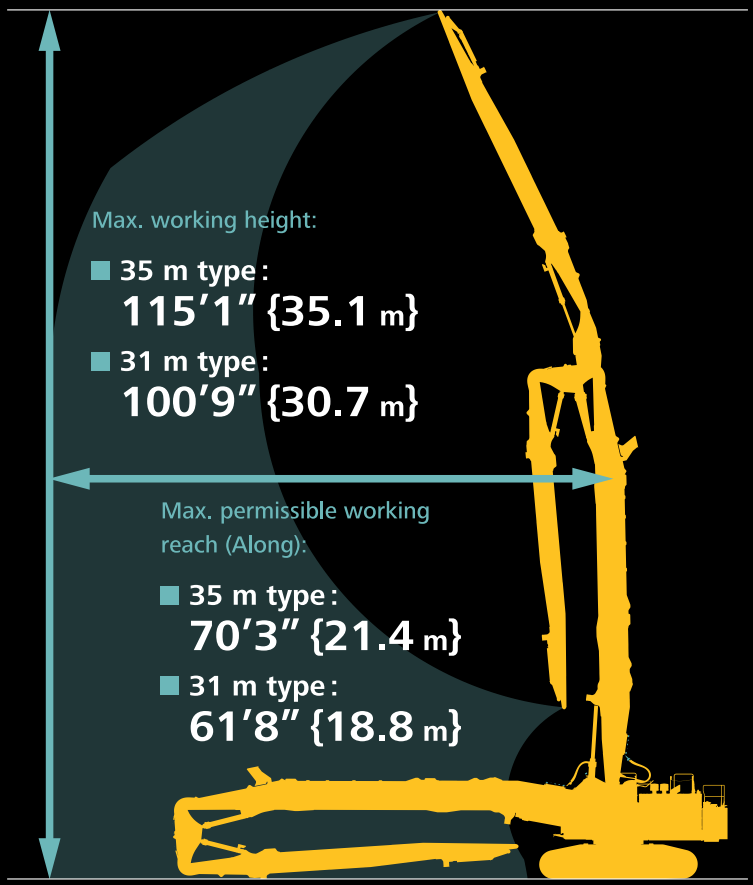
The 3-piece attachment configuration offers two options, 35 m height and 31m height.
These have working reach of 21 m and 19m respectively, which are greater than the 4-piece specification.



Max. tool weight:

- 35 m type :
  11,100 lbs {5,050 kg}
- 31 m type :
  13,400 lbs {6,100 kg}

■ 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.

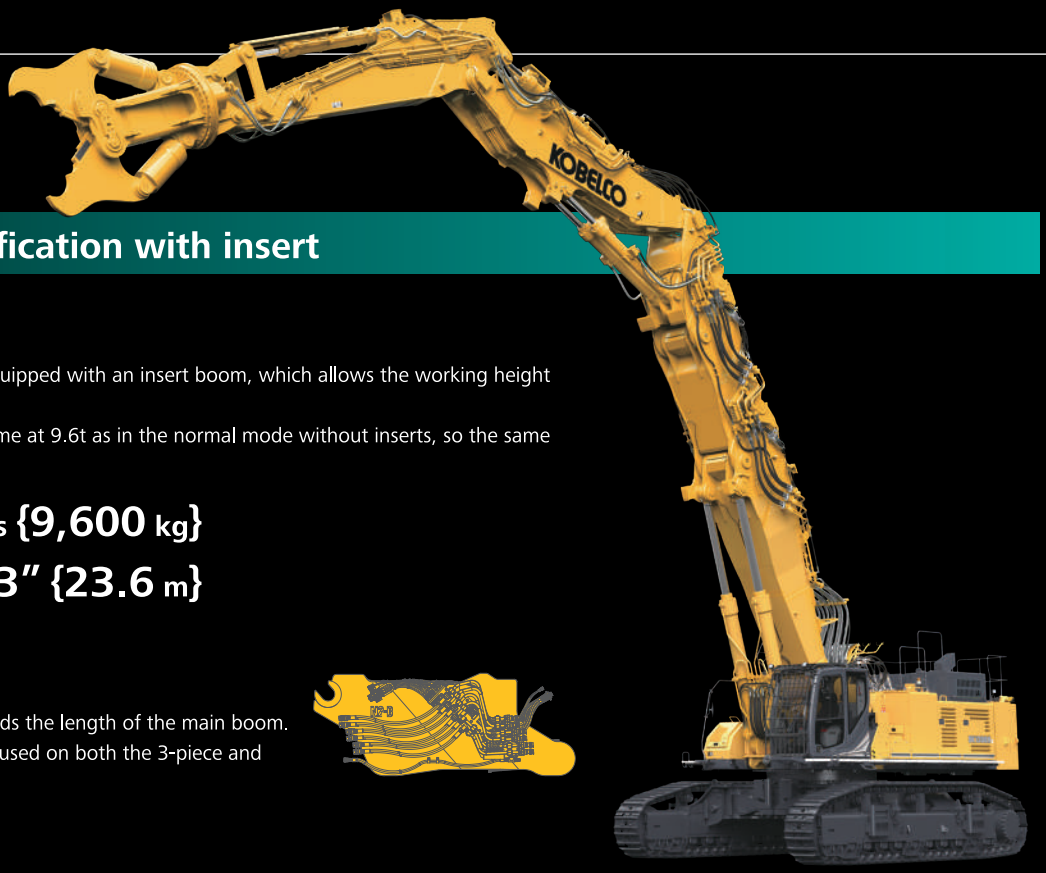


Max. tool weight:

- Normal mode:
  21,100 lbs {9,600 kg}
- Foundation mode:
  26,400 lbs {12,000 kg}

Max. operation height / Max. operation depth:

- Normal mode:
- Foundation mode:
  68’11” {21.0 m} / 26’2” {7.98 m}



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 24m above ground.
The maximum tool weight remains the same at 9.6t as in the normal mode without inserts, so the same crusher as without inserts can be used.

Max. tool weight: **21,100 lbs {9,600 kg}**

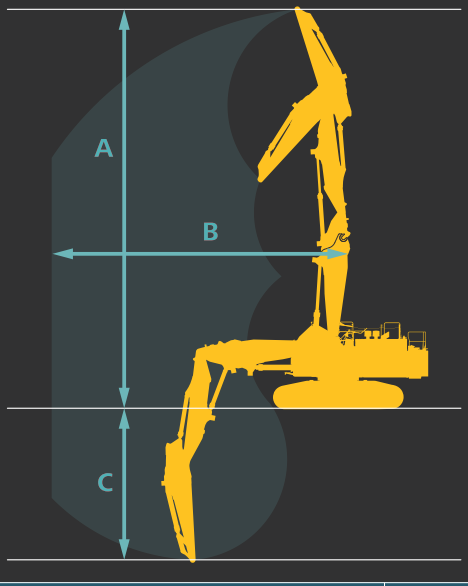
Max. workingheight: **77'3" {23.6 m}**

Insert boom (short type) [N2-B]

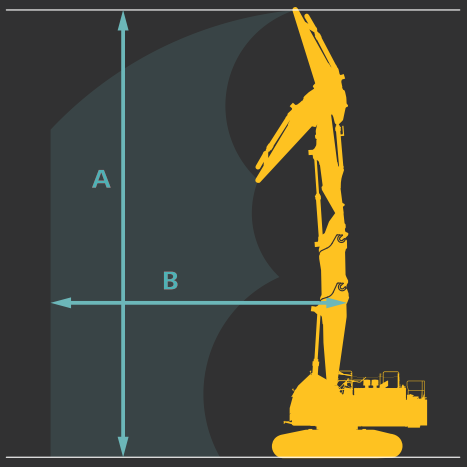
The Insert boom (N2-B) is a part that extends the length of the main boom. It is a highly versatile part that can also be used on both the 3-piece and 4-piece ultra long attachment.

■ Working Ranges Comparison Chart (Arm Top Pin Position)

■ Without insert
(Normal mode/ Foundation mode)



■ With insert type



*If with insert boom, it can' t be used for foundation work.

			Without insert		With insert
			Foundation mode	Normal mode	Normal mode
A Max. operation height		ft-in {m}	68'11" {21.0}	68'11" {21.0}	77'3" {23.6}
B Max. operation reach	Front swing	ft-in {m}	46'7" {14.2}	49'6" {15.1}	49'6" {15.1}
	Side swing	ft-in {m}	41'4" {12.6}	44'3" {13.5}	44'7" {13.6}
C Max. operation depth		ft-in {m}	26'2" {7.98}	26'2" {7.98}	
Max. tool weight		lbs {kg}	26,400 {12,000}	21,100 {9,600}	21,100 {9,600}

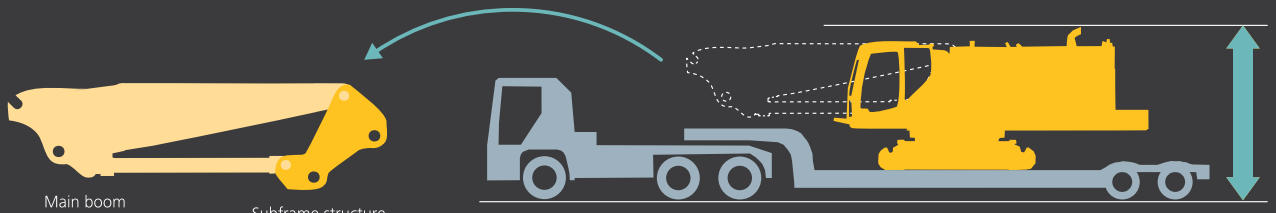
A New Dimension in Streamlining and Speeding Up Jobsite Preparation

Subframe structure enables 32 t 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)



Transportation width: **Approx. 10'6" {3.19 m}**
Transportation height: **Approx. 13'5" {4.10 m}**

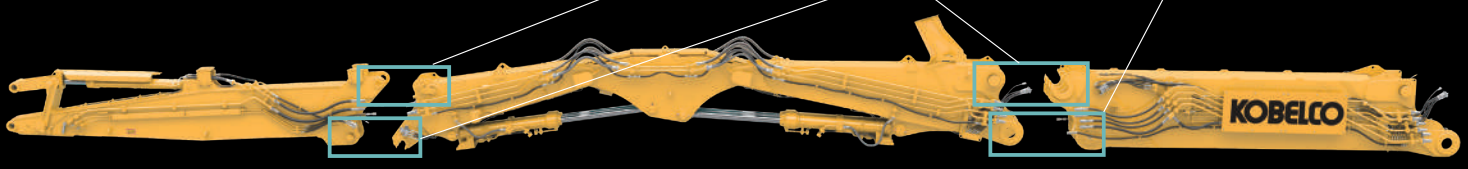
New arm connection design reduces assembly time

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.


Left/right separate opposing pins


Connection hook


Hydraulic pin / Remote control

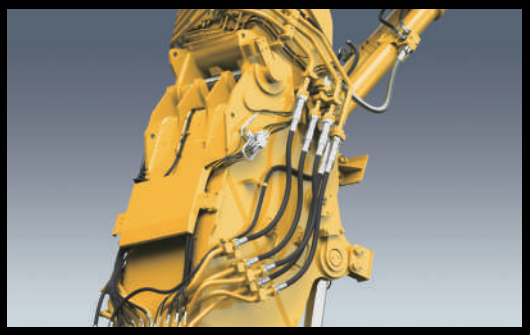


Hook structure + Guided separate opposing pins

Hook structure + Hydraulic pin

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.
17,200 lbs {7,800 kg}

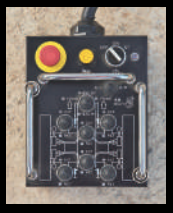
Lower weight:
Approx.
31,100 lbs {14,100 kg}



Translifter with synchronised four-leg control

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





Remote control

A New Dimension in Design and Functionality

Operator station designed for all-day comfort and reduced fatigue

The spacious operator station minimizes 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

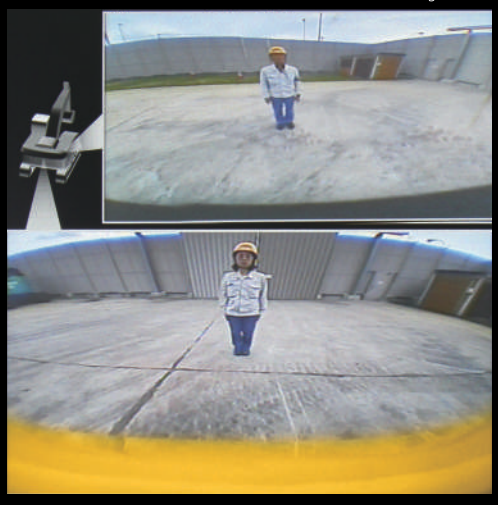


Information is consolidated in front of the operator. The monitor also remains within the sightline.

Monitoring cameras eliminate blind spots from the operator's seat

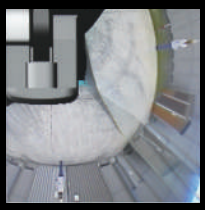
In addition to being able to see areas around the machine not visible to the naked eye, the operator can also quickly check demolition objects located near the front attachment from the operator's seat. Cameras are installed at four locations on the machine body (rear, right side, left side, and lower 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.

Simultaneous right view



Simultaneous rear view

Rear,right, left side images / three side view

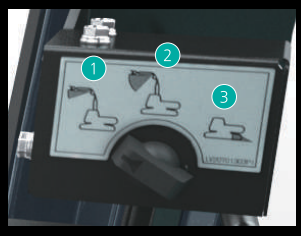


Top-down view



Three sided view





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

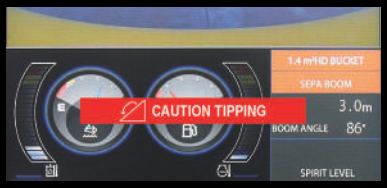
Dedicated building demolition machine display

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.

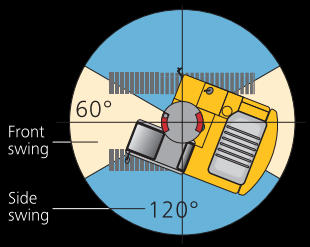


Stability warning system with longitudinal/horizontal detection

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 recognizes 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.

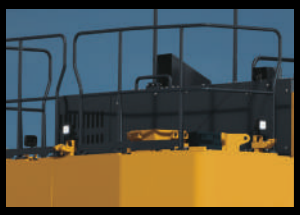

Upper structure (1 light)


Cab top (2 lights)


Cab bottom (1 light)



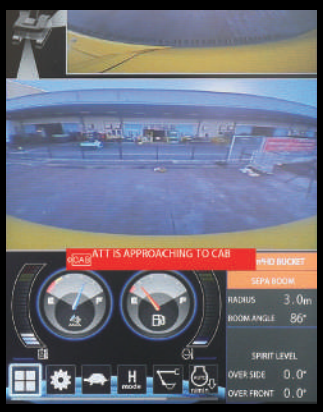
Attachment (2 lights)


Counterweight (3 light)

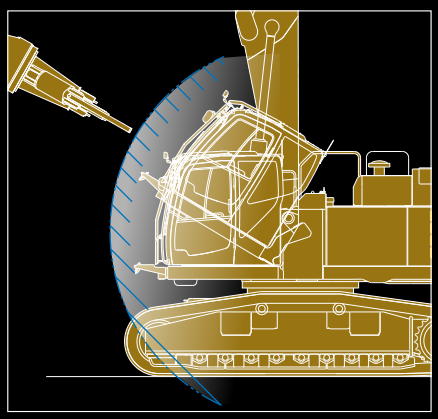


Cab interference prevention system with soft-stop feature

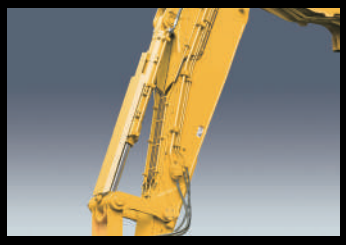
If the attachment comes within a certain distance of the cab, an alarm and warning on the screen alert the operator, and the attachment stops softly and automatically to protect the operator. Since there is no worry of contact, the operator can confidently perform lever operation even close to the cab.



Cab interference warning display



Equipment



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



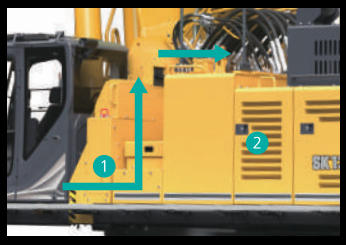
Jib cylinder guard (Optional)
Jib cylinder guarding is installed to prevent damage during demolition operations. (Only separate boom)



Boom cylinder guard (Optional)
Boom 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.



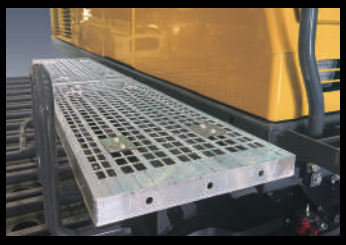
Added left side access passage ❶
Steps and handrails on the hydraulic oil tank provide easy access to the upper part of the machine.



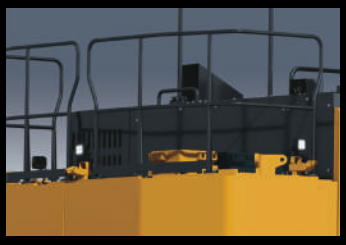
Maintenance walkway ❷
A walkway is provided, allowing easy access to inspection and maintenance points.



Reversible cooling fan
Reliability is improved with the 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.



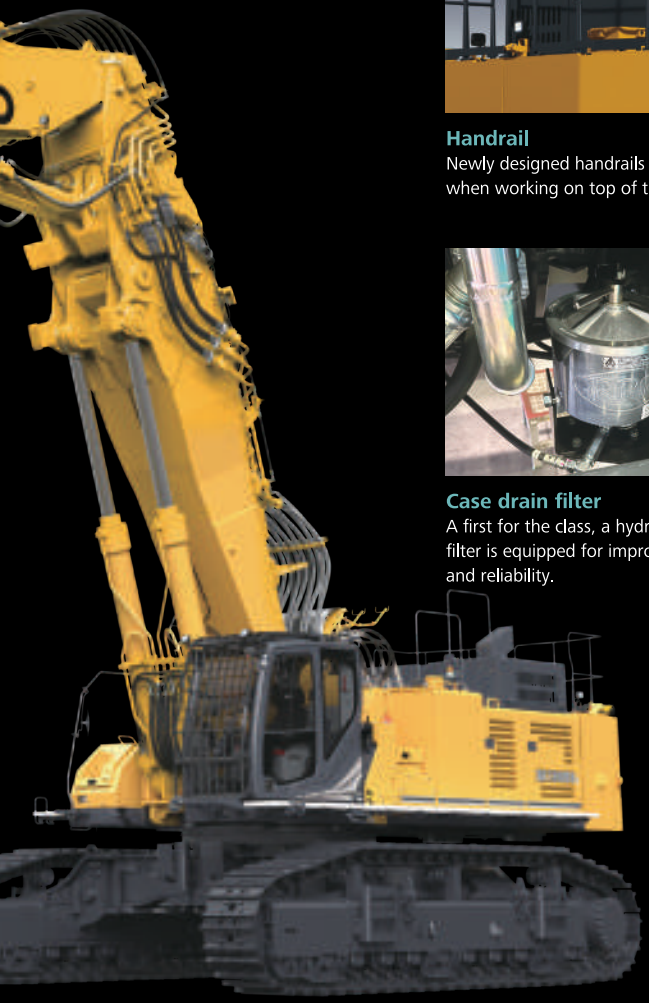
Handrail
Newly designed handrails improve safety when working on top of the bonnet.



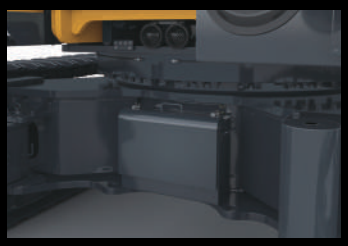
Air pre-cleaner
A air pre-cleaner is equipped as standard.Contributes to reducing problems in harsh working sites.



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



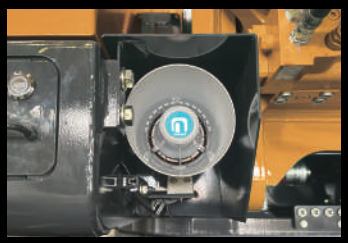
Case drain filter
A first for the class, a hydraulic case drain filter is equipped for improved filtration and reliability.



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.



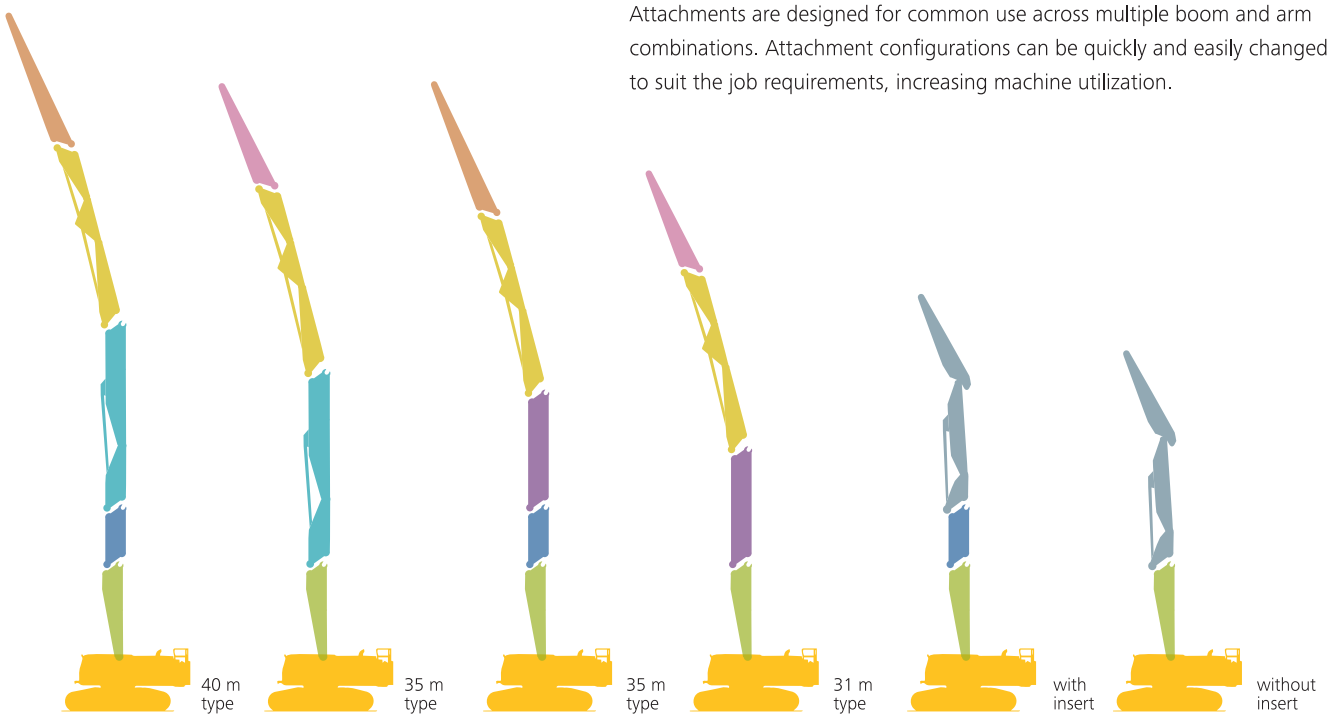
Public address system (PA system)
Maintains safety by alerting workers in the area with clear audio quality.



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

New attachments designed for standardization 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 utilization.



■ Attachment lineup and compatibility

* Same colored 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

SK1300DLC
SK1300DLC-11

Engine

Model	ISUZU 6WG1
Type	Four-cycle, water-cooled, direct injection diesel engine, turbo charged, Tier IV final certified exhaust emission regulation
No. of cylinders	6
Bore and stroke	5.8" x 6.1" {147 mm} x {154 mm}
Displacement	956.9 cu.in {15,681 ml}
Rated power output	512.3hp {382 kW} / 1,800 rpm (Without fan)
Max. torque	1,620 lb-ft {2,200 N·m} / 1,450 rpm (Without fan)

Hydraulic system

Pump		
Type		Two variable displacement pumps + OPT gear pump+pilot gear pump
Max. discharge flow		2 x 133.1 U.S.gpm {504 L/min} 1 x 13.0 U.S.gpm {49.3 L/min}, 1 x 7.9 U.S.gpm {30.1 L/min}
Relief valve setting		
Boom, arm and bucket		4,790 psi {33.0 MPa}
Power boost		4,930 psi {34.0 MPa}
Travel circuit		4,790 psi {33.0 MPa}
Swing circuit		3,760 psi {25.9 MPa}
Control circuit		725 psi {5.0 MPa}
Attachment circuit	Open / Close	3,630 psi {25.0 MPa} / 4,790 psi {33.0 MPa} (Factory setting / Max. setting)
	Rotation	2,990 psi {20.6 MPa}
Pilot control pump		Gear type
Main control valves		5+5+1 Spool valve x 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 rpm (Ultra long attachment)
	6.0 rpm (Separate boom)
Swing torque	70,800 lb-ft {315 kN·m}
Tail swing radius	15'10" ft-in {4,820 mm}

Operating weight & ground pressure

Attachment type	4-piece Ultra long attachment	
	40 m type	35 m type
Operating weight	303,600 lbs {137,700 kg}	294,500 lbs {133,600 kg}
Ground pressure	24.8 psi {171 kPa}	24.1 psi {166 kPa}

Attachment type	3-piece Ultra long attachment	
	35 m type	31 m type
Operating weight	289,200 lbs {131,200 kg}	280,600 lbs {127,300 kg}
Ground pressure	23.6 psi {163 kPa}	22.9 psi {158 kPa}

Attachment type	Separate boom		
	with insert boom	normal mode	foundation mode
Operating weight	291,200 lbs {132,100 kg}	280,600 lbs {127,300 kg}	285,900 lbs {129,700 kg}
Ground pressure	23.8 psi {164 kPa}	22.9 psi {158 kPa}	23.4 psi {161 kPa}

*Counter weight & max. front attachment mass including.

Travel system

Travel motors	2 x axial-piston, two-speed motors
Travel brakes	Hydraulic brake per motor
Parking brake	Oil disc brake per motor
Travel shoes	55 each side
Travel speed (high / low)	2.6 / 1.6 mph {4.2 / 2.6 km/h}
Gradeability	18 % {10 °}

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
Three hand levers and one foot pedal for front attachment and swing
Electric rotary-type engine throttle

Refilling capacities & lubrications

Fuel tank	253.6 U.S.gal {960 L}
Cooling system	23.2 U.S.gal {87.9 L}
Engine oil	15.1 U.S.gal {57.0 L}
Travel reduction gear	2 x 11.6 U.S.gal {44.0 L}
Swing reduction gear	2 x 4.2 U.S.gal {16.0 L}
Hydraulic oil tank	158.2 U.S.gal {599 L} tank oil level
	282.7 U.S.gal {1,070 L} hydraulic system
DEF/Urea tank	21.9 U.S.gal {83.0 L}

Cylinders

bore x stroke (Unit: ft-in {mm})

Attachment type	4-piece Ultra long attachment	
	40 m type	35 m type
Boom cylinders [N1]	9.4" {240} x 7'7" {2,305}	
Second boom cylinders [N3+N4]	8.3" {210} x 6'2" {1,880}	
Jib cylinders [N5+N6+N7]	7.5" {190} x 5'2" {1,580}	
Arm cylinders [N5+N6+N7]	6.7" {170} x 4'10" {1,480}	
Bucket cylinder [N8-B / N8-A]	5.9" {150} x 3'11" {1,193}	6.3" {160} x 4'8" {1,410}

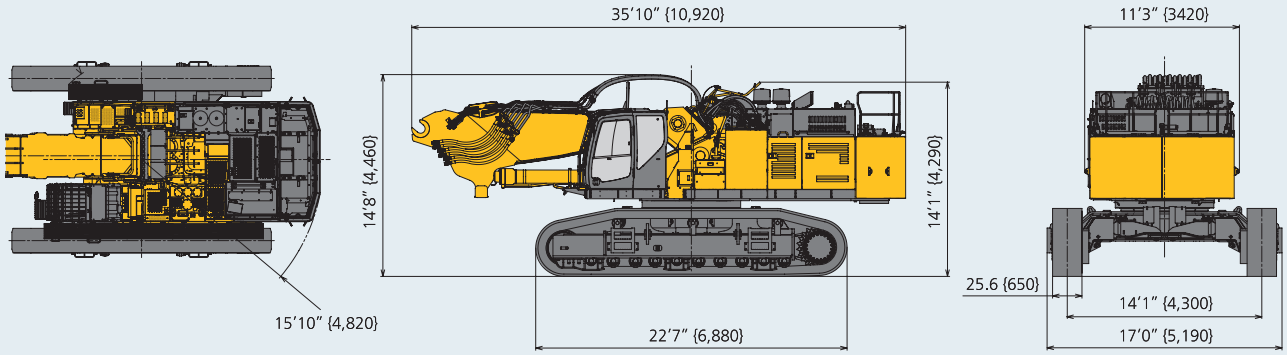
Attachment type	3-piece Ultra long attachment	
	35 m type	31 m type
Boom cylinders [N1]	9.4" {240} x 7'7" {2,305}	
Jib cylinders [N5+N6+N7]	7.5" {190} x 5'2" {1,580}	
Arm cylinders [N5+N6+N7]	6.7" {170} x 4'10" {1,480}	
Bucket cylinder [N8-B / N8-A]	5.9" {150} x 3'11" {1,193}	6.3" {160} x 4'8" {1,410}

Attachment type	Separate boom
Boom cylinders [N1]	9.4" {240} x 7'7" {2,305}
Jib cylinders	7.5" {190} x 5'9" {1,745}
Arm cylinders	7.5" {190} x 5'9" {1,745}
Bucket cylinder	8.3" {210} x 5'2" {1,570}

Specifications

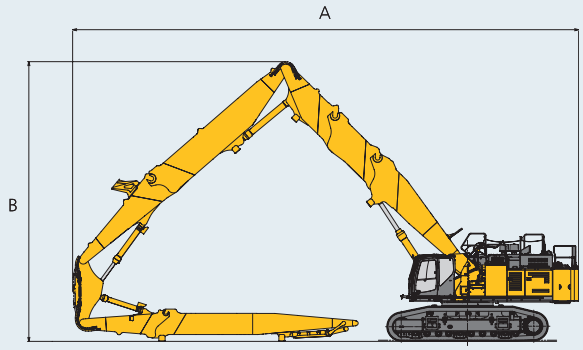
Dimensions (base machine + main boom)

(Unit: ft-in {mm})



Assembled machine dimensions

● 4-piece ultra long attachment specification

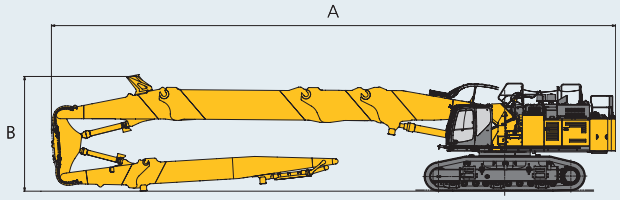


*The posted figure is 40 m type

(Unit: ft-in {mm})

		40 m type	35 m type
A	Overall length	70'9" {21,570}	64'12" {19,810}
B	Overall height of attachment	39'1" {11,920}	35'3" {10,750}

● 3-piece ultra long attachment specification

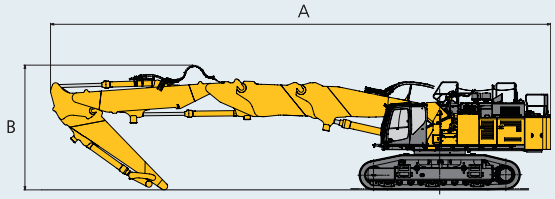


*The posted figure is 35 m type

(Unit: ft-in {mm})

		35 m type	31m type
A	Overall length	79'0" {24,090}	70'8" {21,550}
B	Overall height of attachment	16'4" {4,980}	16'4" {4,980}

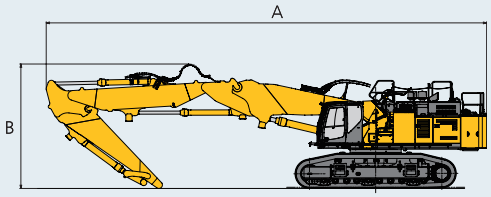
● Separate boom specification with insert



(Unit: ft-in {mm})

		Separate boom + Insert
A	Overall length	70'1" {21,350}
B	Overall height of attachment	17'6" {5,330}

● Separate boom specification



(Unit: ft-in {mm})

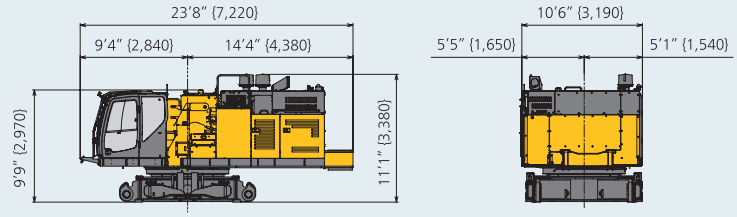
		Normal mode	Foundation mode
A	Overall length	61'8" {18,800}	
B	Overall height of attachment	17'5" {5,310}	

Dimensions and mass when disassembled

● Base machine

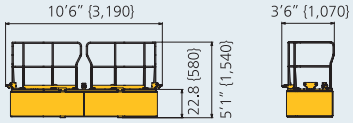
(Unit: ft-in {mm})

Base machine (without counterweight, without crawler)



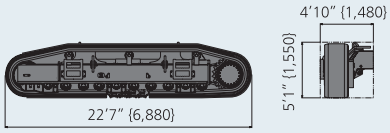
Weight: 71,000 lbs {32,200 kg}

Counterweight (Internal weight+ Handrail)



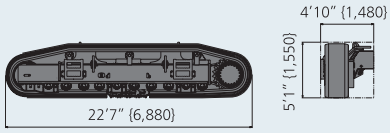
Weight: 17,200 lbs {7,800 kg}

Crawler (29.5 {750 mm} shoe / one side)



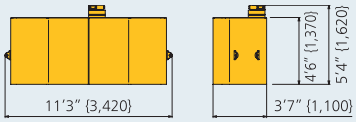
Weight: 66,600 lbs {30,200 kg} (33,300 lbs {15,100 kg} x 2)

Crawler (25.6 {650 mm} shoe / one side)



Weight: 64,800 lbs {29,500 kg} (32,400 lbs {14,700 kg} x 2)

Counterweight case

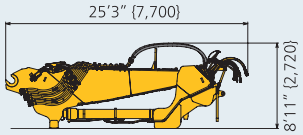


Weight: 31,100 lbs {14,100 kg}

● Ultra long attachment

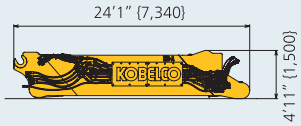
(Unit: ft-in {mm})

Subframe+main boom [N1]



Width: 5'9" {1,760 mm} Weight: 34,800 lbs {15,800 kg}

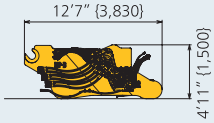
Adapter (long type) [N2-A]



3-piece / 35 m | 3-piece / 31 m

Width: 5'4" {1,620 mm} Weight: 14,100 lbs {6,380 kg}

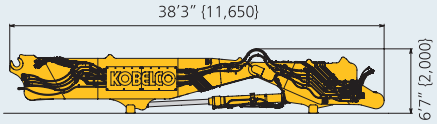
Insert boom (short type) [N2-B]



4-piece / 40 m | 3-piece / 35 m | separate with insert

Width: 5'4" {1,630 mm} Weight: 10,600 lbs {4,810 kg}

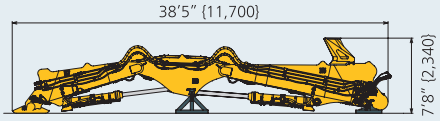
Base front boom [N3]+rear boom [N4]



4-piece / 40 m | 4-piece / 35 m

Width: 5'4" {1,630 mm} Weight: 30,200 lbs {13,700 kg}

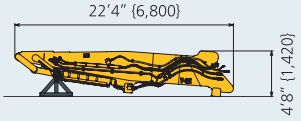
Front boom [N5]+inter boom [N6]+rear arm [N7]



4-piece / 40 m | 4-piece / 35 m | 3-piece / 35 m | 3-piece / 31 m

Width: 4'7" {1,400 mm} Weight: 25,100 lbs {11,400 kg}

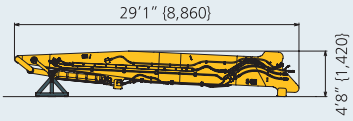
Front arm (standard type) [N8-A]



4-piece / 35 m | 3-piece / 31 m

Width: 3'5" {1,050 mm} Weight: 9,110 lbs {4,130 kg}

Front arm (semi long type) [N8-B]



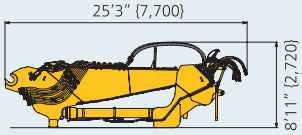
4-piece / 40 m | 3-piece / 35 m

Width: 3'4" {1,010 mm} Weight: 9,440 lbs {4,280 kg}

● Separate attachment

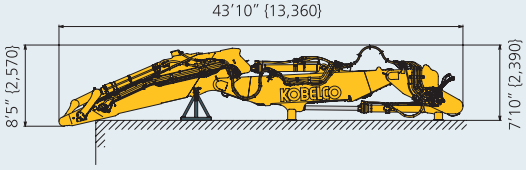
(Unit: ft-in {mm})

Subframe+main boom [N1]



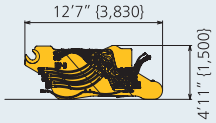
Width: 5'9" {1,760 mm} Weight: 34,800 lbs {15,800 kg}

Base front boom+front boom+mono arm



Width: 5'4" {1,630 mm} Weight: 39,700 lbs {18,000 kg}

Insert boom (short type) [N2-B]



Width: 5'4" {1,630 mm} Weight: 10,600 lbs {4,810 kg}

Specifications

Working Ranges

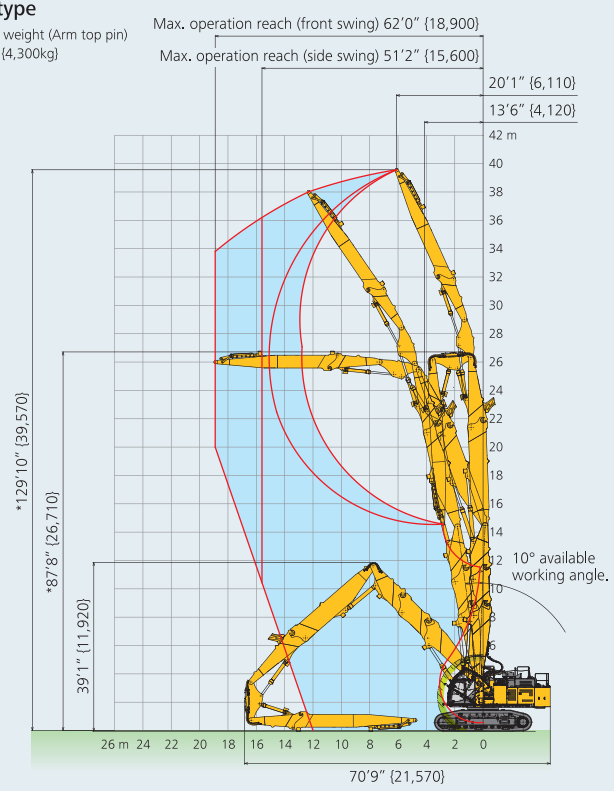
* Although within Max. tool weight, the center of gravity of different tool types can vary.
Depending on the tool type and working position of the front attachment, the cylinder may not hold the excessive load making it difficult to perform the intended work.

● 4-piece ultra long attachment specification

(Unit: ft-in {mm})

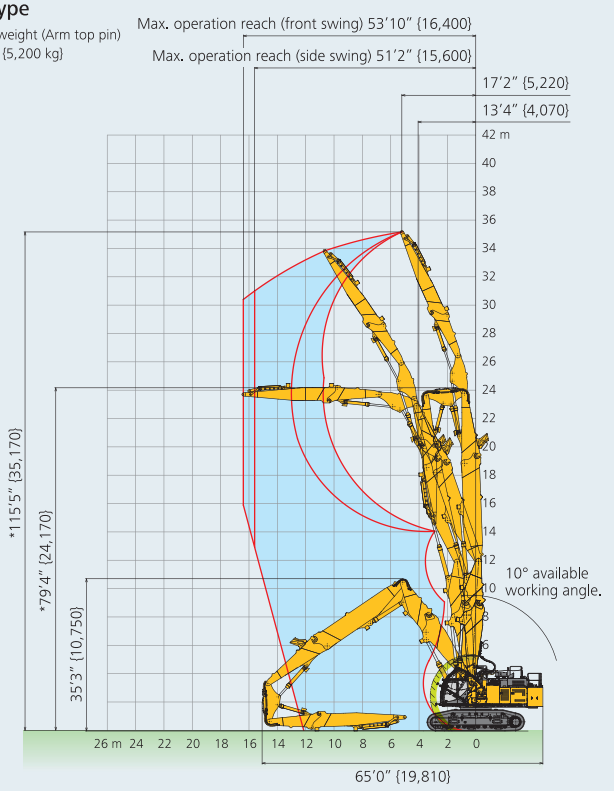
40 m type

Max. tool weight (Arm top pin)
9,480 lbs {4,300kg}



35 m type

Max. tool weight (Arm top pin)
11,500 lbs {5,200 kg}

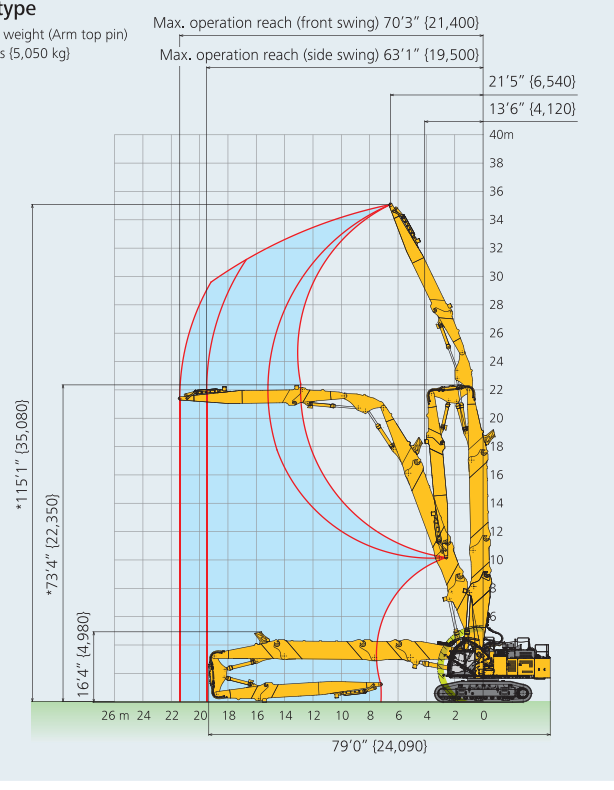


● 3-piece ultra long attachment specification

(Unit: ft-in {mm})

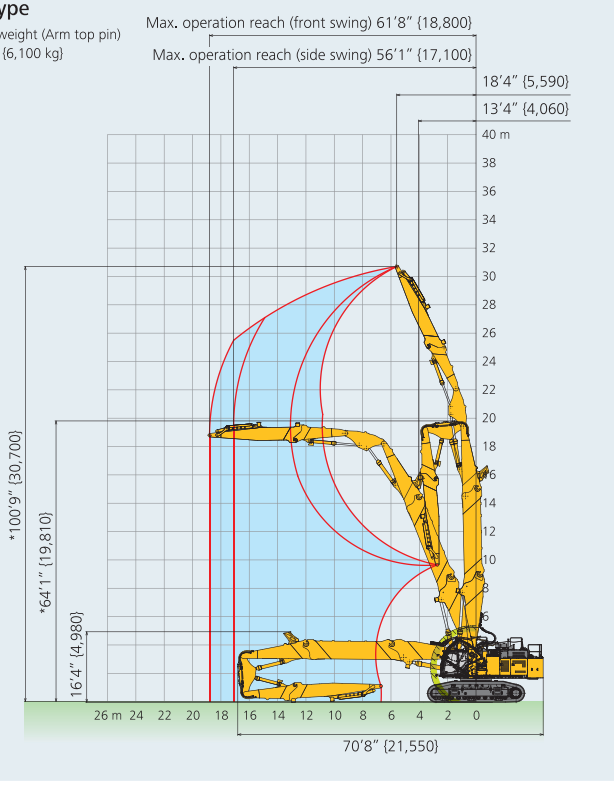
35 m type

Max. tool weight (Arm top pin)
11,100 lbs {5,050 kg}



31 m type

Max. tool weight (Arm top pin)
13,400 lbs {6,100 kg}

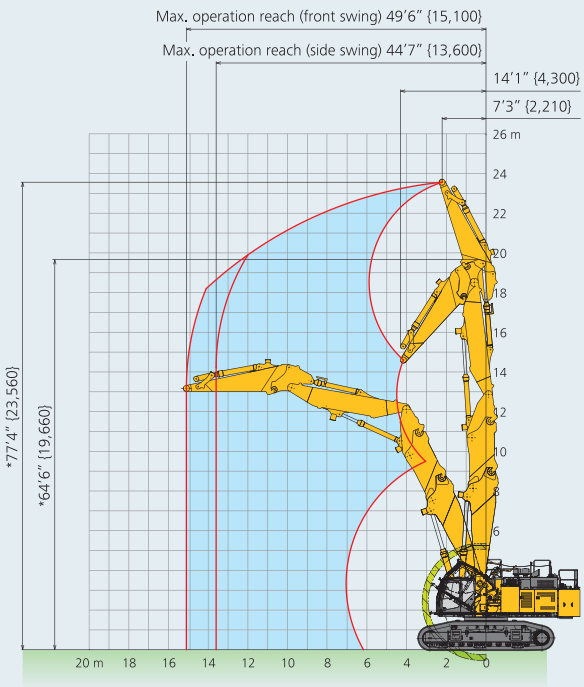


*Without including height of shoe lug. *Cab interference prevention system operating area. *Max tool weight, operation height, and working range provided in this brochure are based on the arm top pin.

● Separate boom specification with insert

(Unit: ft-in {mm})

Max. tool weight (Arm top pin)
21,200 lbs {9,600 kg}

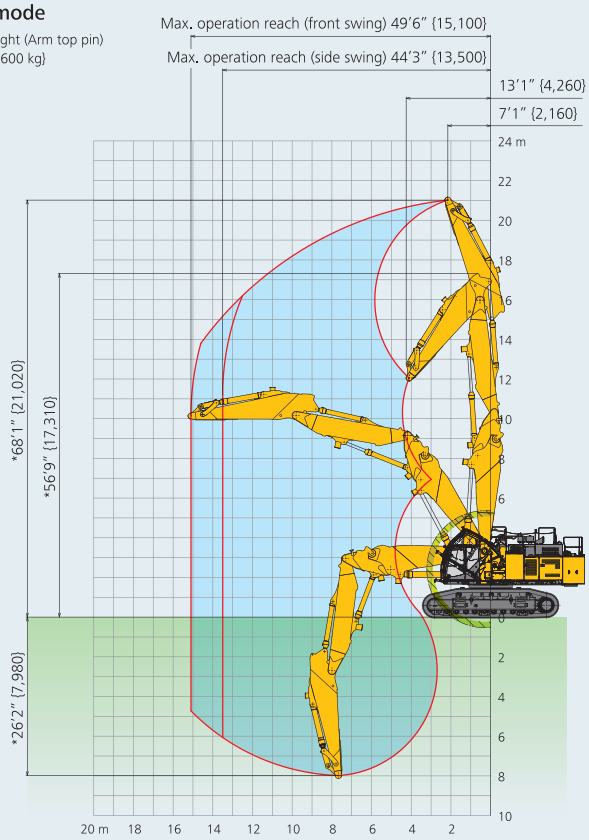


● Separate boom specification

(Unit: ft-in {mm})

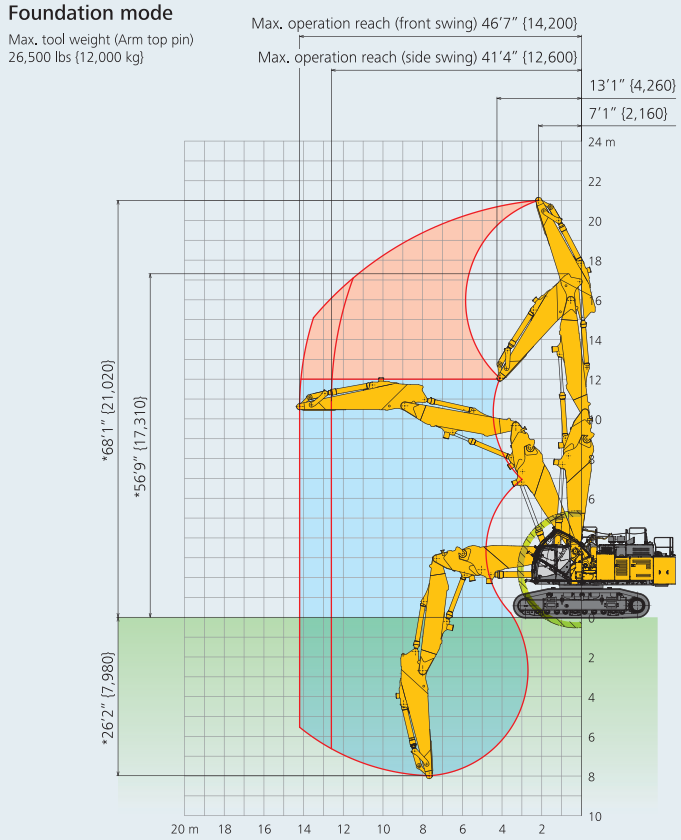
Normal mode

Max. tool weight (Arm top pin)
21,200 lbs {9,600 kg}



Foundation mode

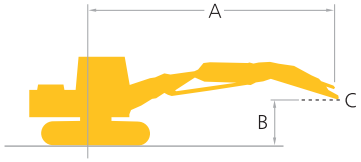
Max. tool weight (Arm top pin)
26,500 lbs {12,000 kg}



*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: 4,930 psi { 34.0 MPa}

SK1300DLC Boom: Separate Arm: 43'10" {13.36 m} Without bucket: Counterweight: 48,281 lbs {21,900 kg} Shoe: 25.6" {650 mm} (Heavy Lift)

Radius A / B Height		10' {3.0 m}		15' {4.6 m}		20' {6.1 m}		25' {7.6 m}		30' {9.1 m}		35' {10.7 m}		40' {12.2 m}		45' {13.7 m}		50' {15.2 m}		55' {16.8 m}		At Max. Reach		
																								Radius
65' {19.8 m}	lb {kg}			*44,820 {20,330}	*44,820 {20,330}	*30,010 {13,610}	*30,010 {13,610}															*31,460 {14,270}	*31,460 {14,270}	22'9" {6.98 m}
60' {18.3 m}	lb {kg}					*37,930 {17,200}	*37,930 {17,200}	*21,790 {9,880}	*21,790 {9,880}	*22,310 {10,120}	*22,310 {10,120}											*23,820 {10,800}	*23,820 {10,800}	32'5" {9.92 m}
55' {16.8 m}	lb {kg}					*33,410 {15,150}	*33,410 {15,150}	*34,290 {15,550}	*34,290 {15,550}	*18,250 {8,270}	*18,250 {8,270}	*18,580 {8,430}	*18,580 {8,430}									*20,280 {9,200}	*20,280 {9,200}	39'2" {11.95 m}
50' {15.2 m}	lb {kg}					*29,820 {13,530}	*29,820 {13,530}	*31,650 {14,350}	*31,650 {14,350}	*33,060 {14,990}	*33,060 {14,990}	*16,340 {7,410}	*16,340 {7,410}	*16,720 {7,580}	*16,720 {7,580}							*18,180 {8,240}	*18,180 {8,240}	44'3" {13.51 m}
45' {13.7 m}	lb {kg}					*27,600 {12,520}	*27,600 {12,520}	*30,190 {13,690}	*30,190 {13,690}	*32,270 {14,630}	*32,270 {14,630}	*15,220 {6,900}	*15,220 {6,900}	*15,310 {6,940}	*15,310 {6,940}	*15,740 {7,140}	*15,740 {7,140}					*16,800 {7,620}	*16,800 {7,620}	48'3" {14.74 m}
40' {12.2 m}	lb {kg}			*23,670 {10,730}	*23,670 {10,730}	*27,700 {12,560}	*27,700 {12,560}	*30,920 {14,020}	*30,920 {14,020}	*33,250 {15,080}	*33,250 {15,080}	*14,640 {6,640}	*14,640 {6,640}	*14,660 {6,650}	*14,660 {6,650}	*14,790 {6,710}	*14,790 {6,710}	*15,320 {6,950}	*15,320 {6,950}			*15,860 {7,190}	*15,860 {7,190}	51'6" {15.72 m}
35' {10.7 m}	lb {kg}			*38,680 {17,540}	*38,680 {17,540}	*36,880 {16,730}	*36,880 {16,730}	*37,210 {16,880}	*37,210 {16,880}	*38,040 {17,250}	*38,040 {17,250}	*23,640 {10,720}	*23,640 {10,720}	*14,460 {6,560}	*14,460 {6,560}	*14,470 {6,560}	*14,470 {6,560}	*14,590 {6,620}	*14,590 {6,620}			*15,220 {6,900}	*15,220 {6,900}	54'1" {16.5 m}
30' {9.1 m}	lb {kg}			*103,850 {47,100}	*103,850 {47,100}	*91,820 {41,650}	*91,820 {41,650}	*72,360 {32,820}	*72,360 {32,820}	*54,510 {24,720}	*54,510 {24,720}	*31,690 {14,370}	*31,690 {14,370}	*18,310 {8,300}	*18,310 {8,300}	*14,570 {6,600}	*14,570 {6,600}	*14,470 {6,560}	*14,470 {6,560}	*14,590 {6,620}	*14,590 {6,620}	*14,790 {6,710}	*14,790 {6,710}	56'1" {17.11 m}
25' {7.6 m}	lb {kg}			*115,360 {52,320}	*115,360 {52,320}	*92,330 {41,880}	*92,330 {41,880}	*77,440 {35,120}	*77,440 {35,120}	*49,170 {22,300}	*49,170 {22,300}	*40,280 {18,270}	*40,280 {18,270}	*26,690 {12,100}	*26,690 {12,100}	*15,020 {6,810}	*15,020 {6,810}	*14,730 {6,680}	*14,730 {6,680}	*14,480 {6,560}	*14,480 {6,560}	*14,550 {6,600}	*14,550 {6,600}	57'6" {17.56 m}
20' {6.1 m}	lb {kg}			*53,900 {24,450}	*53,900 {24,450}	*67,000 {30,390}	*67,000 {30,390}	*62,740 {28,450}	*62,740 {28,450}	*53,210 {24,130}	51,820 {23,500}	*46,920 {21,280}	41,250 {18,710}	*34,540 {15,660}	33,730 {15,300}	*15,860 {7,190}	*15,860 {7,190}	*15,310 {6,940}	*15,310 {6,940}	*14,740 {6,680}	*14,740 {6,680}	*14,460 {6,560}	*14,460 {6,560}	58'6" {17.87 m}
15' {4.6 m}	lb {kg}					*43,260 {19,620}	*43,260 {19,620}	*57,170 {25,930}	*57,170 {25,930}	*57,470 {26,060}	48,210 {21,860}	*49,670 {22,530}	38,290 {17,370}	*43,080 {19,540}	31,680 {14,370}	*17,610 {7,990}	*17,610 {7,990}	*16,190 {7,340}	*16,190 {7,340}	*15,250 {6,920}	*15,250 {6,920}	*14,520 {6,580}	*14,520 {6,580}	59'2" {18.04 m}
10' {3.0 m}	lb {kg}					*35,040 {15,890}	*35,040 {15,890}	*43,550 {19,750}	*43,550 {19,750}	*61,350 {27,830}	45,110 {20,460}	51,640 {23,420}	35,950 {16,310}	42,730 {19,380}	29,950 {13,580}	*20,490 {9,290}	*20,490 {9,290}	*17,360 {7,870}	*17,360 {7,870}	*15,950 {7,230}	*15,950 {7,230}	*14,720 {6,680}	*14,720 {6,680}	59'3" {18.08 m}
5' {1.5 m}	lb {kg}			*31,570 {14,320}	*31,570 {14,320}	*32,260 {14,630}	*32,260 {14,630}	*37,890 {17,190}	*37,890 {17,190}	*51,120 {23,180}	42,870 {19,440}	*48,120 {21,820}	34,370 {15,590}	41,360 {18,760}	28,650 {12,990}	*20,970 {9,510}	*20,970 {9,510}	*18,770 {8,510}	*18,770 {8,510}	*16,750 {7,590}	*16,750 {7,590}	*15,090 {6,840}	*15,090 {6,840}	59'0" {17.99 m}
G.L.	lb {kg}			*32,210 {14,610}	*32,210 {14,610}	*31,500 {14,280}	*31,500 {14,280}	*35,620 {16,150}	*35,620 {16,150}	*46,670 {21,170}	41,700 {18,910}	*43,200 {19,590}	33,490 {15,190}	*38,290 {17,360}	27,830 {12,620}	*23,550 {10,680}	*23,550 {10,680}	*20,310 {9,210}	20,240 {9,180}	*17,520 {7,950}	*17,520 {7,950}	*15,630 {7,090}	*15,630 {7,090}	58'3" {17.77 m}
-5' {-1.5 m}	lb {kg}	*48,900 {22,180}	*48,900 {22,180}	*59,670 {27,060}	*59,670 {27,060}	*86,900 {39,410}	*86,900 {39,410}	*35,130 {15,930}	*35,130 {15,930}	*38,630 {17,520}	*38,630 {17,520}	*37,110 {16,830}	33,210 {15,060}	*33,420 {15,160}	27,460 {12,450}	*26,380 {11,960}	23,260 {10,550}	*21,810 {9,890}	20,070 {9,100}	*18,070 {8,190}	17,690 {8,020}	*15,930 {7,220}	*15,930 {7,220}	56'7" {17.29 m}
-10' {-3.0 m}	lb {kg}	*59,430 {26,960}	*59,430 {26,960}	*71,710 {32,520}	*71,710 {32,520}	*98,230 {44,550}	90,890 {41,220}	*79,170 {35,910}	63,920 {28,990}	*65,400 {29,660}	48,990 {22,220}	*29,830 {13,530}	*29,830 {13,530}	*27,330 {12,390}	*27,330 {12,390}	*23,630 {10,710}	23,320 {10,580}	*18,880 {8,560}	*18,880 {8,560}			*17,300 {7,850}	*17,300 {7,850}	54'0" {16.45 m}
-15' {-4.6 m}	lb {kg}			*84,520 {38,340}	*84,520 {38,340}	*91,780 {41,630}	91,170 {41,350}	*74,960 {34,000}	63,620 {28,850}	*62,300 {28,250}	48,530 {22,010}	*52,310 {23,720}	38,980 {17,680}	*42,340 {19,200}	31,530 {14,300}	*30,970 {14,040}	25,660 {11,640}					*19,610 {8,890}	*19,610 {8,890}	50'0" {15.25 m}
-20' {-6.1 m}	lb {kg}			*98,180 {44,530}	*98,180 {44,530}	*82,210 {37,290}	*82,210 {37,290}	*67,900 {30,800}	64,280 {29,150}	*56,420 {25,590}	48,940 {22,200}	*45,280 {20,530}	38,750 {17,570}	*33,790 {15,320}	31,090 {14,100}							*23,870 {10,820}	*23,870 {10,820}	44'1" {13.45 m}
-25' {-7.6 m}	lb {kg}							*56,350 {25,560}	*56,350 {25,560}	*43,970 {19,940}	*43,970 {19,940}											*36,060 {16,350}	*36,060 {16,350}	33'2" {10.12 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.
7. 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.
8. Please read carefully the manual before using machine.

Standard and optional equipment

SK1300DLC
SK1300DLC-11

● =Std , ○ =Opt , — = N/A

Category	Description	SK1300DLC-11	
		Separate boom Attachment	Ultra long Attachment (3 piece / 4 piece)
ENGINE	ISUZU 6WG1 (Tier IV Final certified)	●	●
	Exhaust DOC/SCR system	●	●
	Alternator 24 V / 90 A	●	●
	Starter motor 24 V / 7 kW	●	●
	Batteries 2 x 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 4,930 psi {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	Rotation & N&B piping	●	●
	Quick coupler piping	●	●
CABIN	Air suspension seat with heating	●	●
	10-inch color monitor	●	●
	LED door light	●	●
	Air-conditioner	●	●
	Radio (AM/FM, AUX, USB, Bluetooth® and hands-free telephone)	●	●
	Top and front window wiper	●	●
	12 V power outlet	●	●
	Sun screen	●	●
	Back rest	●	●
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)	●	●
COUNTERWEIGHT	Layered C/W 48,300 lbs {21,900 kg} with swing flashers	●	●
UNDERCARRIAGE	Hydraulic pin joint type undercarriage and translifter	●	●
	25.6" {650 mm} double grouser shoe (without taper type)	●	●
	Lower swivel guard	●	●
	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	●	●
	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)	●	●
	3-side 270-degree camera system (Rear, Right, Left)	●	●
	Additional monitor	●	●
	Arm camera	—	●
	Cab lower mirror & right side 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	Electric pump for lubrication	●	●
	Harness for engine room light	●	●
	NEXT pin removal equipment	●	●
	Cylinder guard (bucket)	●	●
	Cylinder guard (main boom)	○	○
	Cylinder guard (jib)	○	—
	Bracket for machine lifting	○	○
	Cat walk	●	●
	3-year/3,000 hour warranty	●	●
	KOMEXS machine monitoring	●	●

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

KOMEXS KOBELCO MONITORING EXCAVATOR SYSTEM



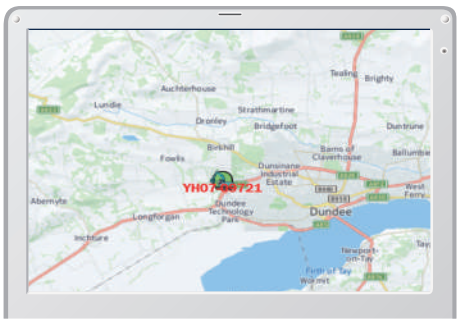
Remote Monitoring for Peace of Mind

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

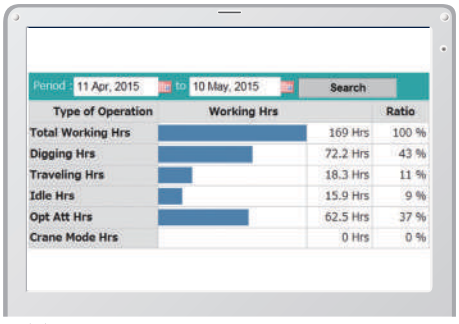
• Accurate location data can be obtained even from sites where communications are difficult.



Latest location



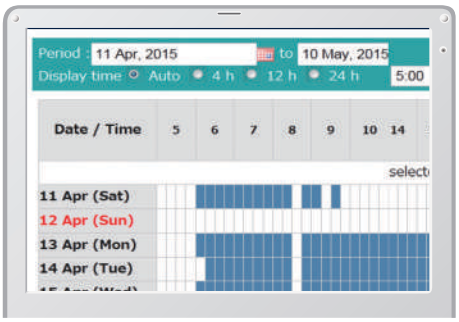
Location records



Work data

Operating Hours

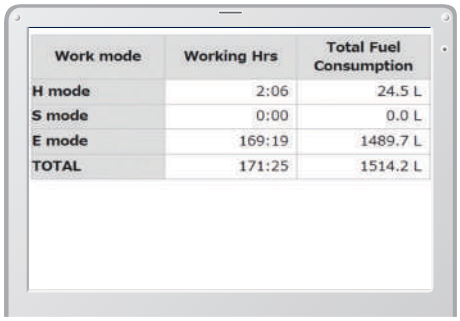
•A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.
•Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.



Daily report

Fuel Consumption Data

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

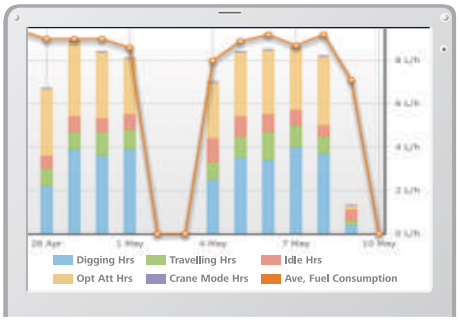


Work mode	Working Hrs	Total Fuel Consumption
H mode	2:06	24.5 L
S mode	0:00	0.0 L
E mode	169:19	1489.7 L
TOTAL	171:25	1514.2 L

Fuel consumption

Graph of Work Content

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

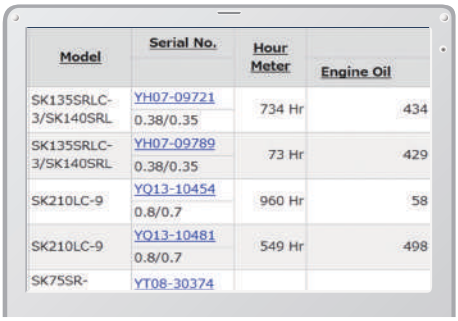


Work status

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 can provide 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.

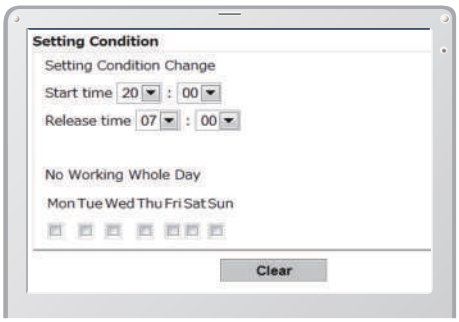
Daily/Monthly Reports

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

Security System

Engine Start Alarm

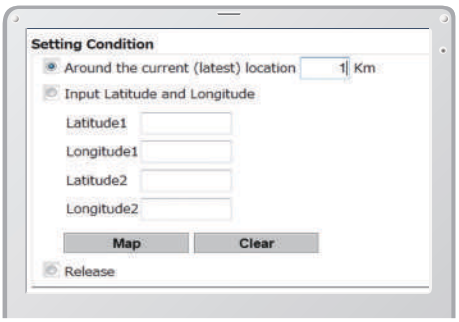
•The system can provide an alarm if the machine is operated outside a designated time.



Engine start alarm outside prescribed work time

Area Alarm

•An alarm can be provided if the machine is moved out of its designated area to another location.



Alarm for outside of reset area



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Inquiries To:

Bulletin No. SK1300DLC-11_NA_3E_2605