

STANDARD EQUIPMENT

ENGINE

- Engine, HINO P11C, Diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V 60Ah)
- Starting motor (24V 6 kW), 60 amp alternator
- Removable clean-out screen for radiator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain cock
- Double element air cleaner

CONTROL

- Working mode selector (H-mode and S-mode)
- Power Boost
- **SWING SYSTEM & TRAVEL SYSTEM**
- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- Sealed & lubricated track links
- Grease-type track adjusters
- Automatic swing brake

HYDRAULIC

- Arm regeneration system
- Auto warm up system
- Aluminum hydraulic oil cooler

MIRRORS & LIGHTS

- Two rearview mirrors
- Three front working lights
- Swing flashers

CAB & CONTROL

- Two control levers, pilot-operated
- Tow eyes
- Horn, electric
- Integrated left-right slide-type control box
- Ashtray
- Cigarette lighter
- Cab light (interior)
- Coat hook
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat7-way adjustable suspension seat
- Retractable seatbelt
- Headrest
- Handrails
- Heater and defroster
- Intermittent windshield wiper with double-spray washer
- Skylight
- Tinted safety glass
- Pull-type front window and removable lower front window
- Easy-to-read multi-display monitor
- Automatic air conditioner
- Emergency escape hammer
- Suspension seat

OPTIONAL EQUIPMENT

- Wide range of buckets
- Various optional arms
- Wide range of shoesFront-quard protective structures (May interfere with bucket action)
- Additional track guide ■ Additional hydraulic circuit
- Rain visor
- Multi-control valve

■ Heavy-Duty Application for Quarry

- Full undercover to reinforce main carriage
- A 6 mm steel undercover covers the entire bottom surface of the upper frame, protecting the engine, pumps and other components from rock fragments, boulders, iron bar, and other debris.
- · Lower undercover
- A 9 mm steel cover protects the lower frame from rocks, steel bar, and other materials that could damage hydraulic piping and other components.
- Heavy-duty track shoes for rock crushing
- Heavy-duty track shoes are thicker and the lugs are higher to provide even more protection against breakage and loss.
- More track guides
- Four durable track guides are fitted on each side to prevent wheel dislocation and protect the rollers. Attached with bolts, they are easy to install and remove.

Note: Standard and optional equipment may vary. Consult your KOBELCO dealer for specifics.

Note: This catalog 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. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

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Bulletin No. ACERA GEOSPEC SUPER SK460/SK480LC-SEASIA-HS-201
2012021000 Printed in Japan



Bucket Capacity:

Engine Power:

1.35 - 3.4 m³ ISO heaped

257kW {350 PS}/1,850 min⁻¹{rpm}

Operating Weight (800 mm shoe):

47,800 kg - SK460

18,800 kg - SK480LC

Announcing ACERA GEOSPEC and the Concept of Beautiful Performance.

The Power Wave of Change

When we set out to design our new hydraulic excavators, we kept our eyes on the big picture.

Of course we wanted machines with greater digging capacity.

But they also had to be fuel-efficient and economical, while imposing less of a burden on the local and global environments.

Applying our advanced technologies, we developed KOBELCO's new ACERA GEOSPEC series,

an entirely new kind of excavator that beautifully balances all the demands of today's construction industry.

Lean and efficient with capacity to spare, these sleek powerhouses bring a whole new style to the worksite while setting new standards for environmental responsibility.

NEXT-3E

Pursuing the "Three E's"
The Perfection of Next-Generation, Network Performance

Enhancement

Greater Performance Capacity

- New hydraulic circuitry minimizes pressure loss
 High-efficiency, electronically controlled
- Common Rail Fuel Injection Engine
- •Powerful travel and arm/bucket digging force

Economy

Improved Cost Efficiency

- •Advanced power plant that reduces fuel consumption
- Easy maintenance that reduces upkeep costs
 High structural durability and reliability that retain machine value longer

Environment

Features That Go Easy on the Earth

- Auto Idle Stop as standard equipment
- Noise reduction measures (with improvement of the sound quality) minimize noise and vibration



The "GEO" in GEOSPEC expresses our deep respect for our planet, and for the solid ground where excavators are in their element. This is accompanied by SPEC, which refers to the performance specifications needed to get the job done efficiently as we carry on the tradition of the urban-friendly ACERA series.

Photos in this catalog are the optional specs with 0.93 m³ bucket, 800 mm shoes, arm rock guard, and pre-air cleaner



Efficient Performance!

Amazing Productivity with a 18 % Increase in Work Volume and "Top-Class" Cost-Performance



☑ Work Volume∗

o/ increase in work volume using the same amount of fuel. (H-Mode)



Fuel Consumption

decrease in fuel consumption even when performing more work volume. (S-Mode)

"Top-Class" Powerful Digging

Max. arm crowding force: 203 kN {20.7 tf}

Max. arm crowding force with power boost: **222 KN** {22.7 tf}

Max. bucket digging force: 267 kN {27.2 tf}

Max. bucket digging force 292 kN {29.8 tf}

Powerful Travel

Travel torque: increased by

Drawbar pulling force:

417 kN {42.5 tf}

Greater Swing Power, Shorter Cycle Times

Swing torque: increased by 8.8 %

Swing speed:

7.8 min⁻¹

Significant Extension of Continuous Working Hours

The combination of a large-capacity fuel tank and excellent fuel efficiency delivers an impressive 34 % increase in continuous operation hours.**

Fuel tank: 650L 34 %

Light Lever Operation

It takes 10% less effort to move the control levers, so that operators can work longer hours with less fatigue.

NEXT-3E Technology New Hydraulic System



Rigorous inspections for pressure loss are performed on all components of the hydraulic piping, from the first spool of the control valve to the connectors. This regimen, combined with the use of a new, high-efficiency pump, cuts energy loss to a minimum.

*The value shows results from actual measurements taken by KOBELCO when compared with previous KOBELCO models.

NEXT-3E Technology Next-Generation Electronic Engine Control

The high-pressure, common-rail fuel-injection engine features adjustable control to maximize fuel efficiency and provide powerful medium/low-speed torque. The result is a highly fuel-efficient engine.



Simple Select: **Two Digging Modes**





For heavy duty when a higher performance level is required.



For normal operations with lower fuel consumption.

Optional N&B (crusher and breaker)

The operator selects the desired mode from inside the cab, and the selector valve automatically configures the machine accordingly.

Optional Attachment Mode Selector Switch

There's a choice of three different hydraulic circuits, to accommodate bucket, crusher or breaker, and the desired attachment mode can be selected with a switch, which automatically configures the selector valve. All attachment modes can be used in either S-mode or H-mode.



Seamless, Smooth Combined **Operations**

The GEOSPEC machines have inherited the various systems that make inching and combined operations easy and accurate, with further refinements that make a good thing even better. Leveling and other combined operations can be carried out with graceful

- Electronic Active Control System
- Arm regeneration system Boom lowering system
- Variable swing priority system
- Swing rebound prevention system

possible with a minimum of wasted output. ITCS (Intelligent Total Control System)

Total Tuning Through Advanced ITCS Control

NEXT-3E Technology

is an advanced, computerized system that provides comprehensive control of all machine functions.

The next-generation engine control is governed by a new

version of ITCS, which responds quickly to sudden changes in

hydraulic load to ensure that the engine runs as efficiently as

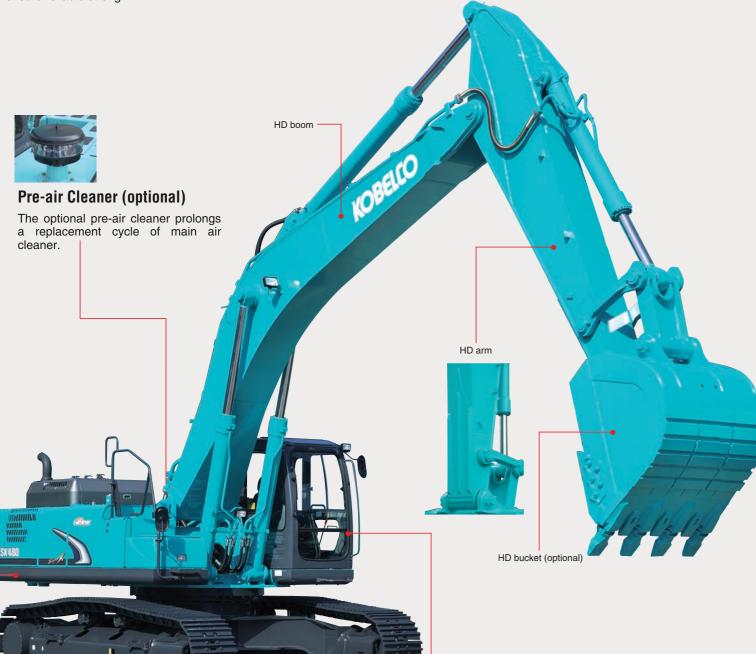
^{**}The value shows results from actual measurements taken by KOBELCO for continuous operation in S Mode, compared with previous models. Results vary depending on the method of operation and load conditions



The Value and Quality of Sturdy Construction!

Stable Attachment Strength

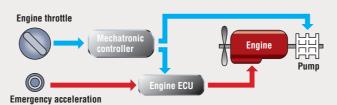
Forged and cast components are used throughout. The standard arm and boom also meet specifications that were classified as "reinforced" on previous KOBELCO models to ensure reliable strength.

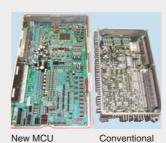


Emergency Acceleration (Dial) Permits Continued Operation in the Unlikely Event of Malfunction



If unexpected trouble is experienced with the ITCS mechatronic control system, the machine can still be operated using the emergency acceleration system. Digging modes are also automatically relayed to an emergency system so that digging can continue temporarily until a service person arrives to repair the primary system.





MCU

Newly designed MCU

- Vertical alignment and sealed cover gives better protection from water and dust
- Integration in base plate boosts assembly quality
- Reliable fixture to base plate

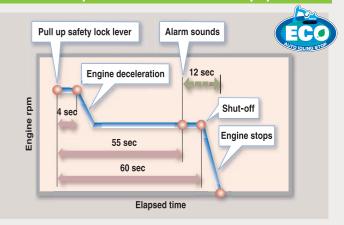
Countermeasures Against Electrical System Failure

All elements of the electrical system, including controller, have been designed for enhanced reliability.



Designed for the Environment and the Future!

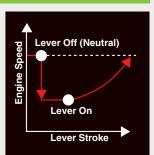
Auto Idle Stop Provided as Standard Equipment



This function saves fuel and cuts emissions by shutting down the engine automatically when the machine is on stand by. It also stops the hourmeter, which helps to retain the machine's asset value.

Automatic Acceleration/Deceleration Function Reduces Engine Speed

Engine speed is automatically reduced when the control lever is placed in neutral, effectively saving fuel and reducing noise and exhaust emissions. The engine quickly returns to full speed when the lever is moved out of neutral.



Low Noise Level and Mild Sound Quality

The electronically controlled common-rail engine has a unique fuel injection system that runs quietly. Also, the hydraulic pumps have been redesigned to produce a more pleasant sound during pressure relief. In short, the GEOSPEC series meets all requirements cited in latest EU stage II.

Meets EMC (Electromagnetic Compatibility) Standards in Europe.

Measures have been taken to ensure that the GEOSPEC machines do not cause electro-magnetic interference.

Enhanced Upper Carbody Strength

The structure of the lower portion of the upper frame has been reassessed and the undercover area has been minimized for further strength.



Durability That Retains Machine Value Five and Ten Years in the Future

- New operator's seat covered in durable, material
- High-quality urethane paint
- Easily repaired bolted hand rails

5



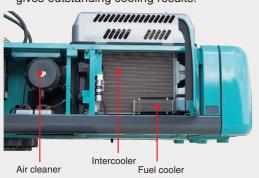
"On the Ground" Maintenance!

Comfortable "On the Ground" Maintenance

All of the components that require regular maintenance are laid out for easy access, with the control valves located on a single right-hand panel that opens and closes at a touch. Behind that, in the pump compartment, there is remote access to such components as the engine oil filter and fuel filter (with built-in water separator). On the left side are the intercooler, air cleaner, radiator coolant, etc. Daily maintenance can be carried out easily without the need to climb up onto the machine.

Access through the right side cover

Radiator and oil cooler are aligned side by side, with intercooler positioned in front. This more effective layout gives outstanding cooling results.



Quick Oil Drain Valves for Quick Maintenance



A quick drain valve, which requires no tools, is provided as standard equipment.



To facilitate fuel tank cleaning, the fuel drain valve was made larger and fitted with a flange on the bottom.

More Efficient Maintenance Inside the Cab



handles for easy removal A floor drain is located under the



 Easy-access fuse box. More finely make it easier to



removed without tools for cleaning.



Hour meter can be checked while standing on the



 Large-capacity tool box can hold up to



Special crawler frame

Access through the left side cover

The fuel filter with built-in water separator functions in two ways by removing large contaminants and separating out water.

8466



Engine oil filter Two large fuel filters (built-in water separator

Highly Durable Super-fine Filter



The high-capacity hydraulic oil filter incorporates glass fiber with superior cleaning power and durability. With a replacement cycle of 1,000 hours and a construction that allows replacement of the filter element only, it's both highly effective and highly economical.

Double-Element Air Cleaner as Standard



The large-capacity element features a double-filter structure that keeps the engine running clean even in dusty environments.

NEW!

Air cleaner (double element)

High-Grade Fuel Filter with Superior **Filtration Performance**



The high-performance, large capacity filter is designed specially for the common-rail fuel-injection engine.

Monitor Display with Essential Information for Accurate Maintenance Checks



- Displays only the maintenance information that's needed, when it's needed.
- Self-diagnostic function that provides earlywarning detection and display of electrical system
- Record previous breakdowns, including irregular

Choice of 16 Languages for Monitor Display



With messages including those requiring urgent action displayed in the local language, users in all parts of the world can work with greater peace of mind.

充电不良	Lichtmaschine defekt	CHARGE ERROR	CHARGE ERROR	
Chinese	German	English	English (US)	
ERREUR DE CHARGE	PENGISIAN BATT.	==	ERRORE DI CARICA	
French	Indonesian	ISO	Italian	
ご チャージ	ET KESALAHAN CAS	📑 ချာချင်မဝင်ပါ	ERRO DE CARGA	
Japanese Malay		Myanmar(Brumese)	Portuguese	
ERROR EN CARGA	📑 தவறாக திணித்தல்	<u>=ื +ื</u> ไฟไม่ชาร์จ	Sac Điện Bị Lỗi	
Spanish	Tamil	Thai	Vietnamese	



differentiated fuses locate malfunctions.









design is easily cleaned of



Designed from the Operator's Point of View



Newly Designed Information Display Prioritizes Visual Recognition

The analog gauge provides information that's easy to read regardless of the operating environment. The information display screen has been enlarged, and a visor is attached to further enhance visibility.

CEOSPEC Super

The GEOSPEC Difference: Imagining Possible Scenarios

and Preparing in Advance

Bracket for Attaching a Head Guard Provided as Standard Equipment



A bracket is provided as standard equipment that allows the optional head guard to be simply bolted on.

Safety Features That Take Various Scenarios into Consideration



 Firewall separates the pump compartment from the engine



oump Hammer for emergency exit



- Swing flashers/rear working lights
- Thermal guard prevents contact with hot components during engine inspections
- Hand rails meet European standards
- Retractable seatbelt requires no manual adjustment

Wide Field of View Liberates the Operator

The front field of view easily clears ISO standards, while the peripheral view reduces blind spots to a minimum.



- •A long wiper covers a wide area for a broad view in bad weather.
- Back mirrors provide a safe view of the rear.
- •Reinforced green glass windows meet European standards.

Wide-Access Cab Ensures Smooth Entry and Exit

The left control box lifts up with the safety lock lever to add 10° to the cab entry angle for easy entrance and exit.



Creating a Comfortable Operating Environment



Seat can be reclined to horizontal position



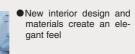
elease • Large cup holder

 One-touch lock release Large cup holder simplifies opening and closing the front window



Photo includes optional pedals for N&B and rotation.

all • Opacious laggage tray





Plenty of Foot Room

With a total width of 1,005 mm, the cab has 35 mm more front-to-back foot room than previous models. The travel pedal is larger for greater operator comfort.

Reduced Vibration for Fatigue-Free Operation

The rigid cab construction and liquid-filled viscous cab mounts minimize cab vibration. In addition, the use of new lower rollers on the crawlers cuts travel vibration in half compared with previous models.

In-Cab Noise is Reduced by 4dB Compared with Previous Models.







Model	HINO P11C
Туре	Direct injection, water-cooled, 4-cycle diesel engine with turbocharger, intercooler
No. of cylinders:	6
Bore and stroke:	122 mm X 150 mm
Displacement:	10.520 L
Rated power output:	257 kW {350 PS}/1,850 min ⁻¹ {rpm} (ISO14396: 2002)
nateu power output.	243 kW {333 PS}/1,850 min ⁻¹ {rpm} (ISO9249: 2007)*
May targua	1,400 N·m/1,400 min ⁻¹ {rpm} (ISO14396:2002)
Max. torque:	1,359 N•m/1,400 min ⁻¹ {rpm} (ISO9249:2007)*



Hydraulic System

Pump	
Type:	Two variable displacement pumps + 1 gear pump
Max. discharge flow:	2 × 370 L/min, 1 × 30 L/min
Relief valve setting	
Boom, arm and bucket:	31.4 MPa {320 kgf/cm ² }
Power Boost:	34.3 MPa {350 kgf/cm²}
Travel circuit:	34.3 MPa {350 kgf/cm²}
Swing circuit:	25.0 MPa {255 kgf/cm²}
Control circuit:	5.0 MPa {50 kgf/cm ² }
Pilot control pump:	Gear type
Main control valves:	6-spool
Oil cooler:	Air cooled type

Swing System

Swing motor:	Axial-piston motor
Brake:	Hydraulic; locking automatically when the swing control lever is in the neutral position
Parking brake:	Hydraulic disc brake
Swing speed:	7.8 min ⁻¹ {rpm}
Tail swing radius:	3,670 mm
Min. front swing radius:	5,140 mm

Travel System

Travel motors:	2 × axial-piston, two-step motors		
Travel brakes:	Hydraulic brake per motor		
Parking brakes:	Oil disc brake per motor		
Travel shoes:	47 each side (SK460)		
	50 each side (SK480LC)		
Travel speed:	5.4/3.4 km/h		
Drawbar pulling force:	417 kN {42.5 tf} (ISO 7464)		
Gradeability:	70 % {35°}		
Ground clearance:	510 mm		

Cab & Control

Cab	
	er, sound-suppressed steel cab mounted on the silicon-sealed ounts 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 ro	tary-type engine throttle

D	Boom
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Boom, Arm & Bucket

Boom cylinders:	170 mm × 1,590 mm
Arm cylinder:	190 mm × 1,970 mm
Bucket cylinder:	160 mm X 1,410 mm



Refilling Capacities & Lubrications

Fuel tank:	650 L
Cooling system:	41 L
Engine oil:	50 L
Travel reduction gear:	2 X 15 L
Swing reduction gear:	2 X 7 L
Hydraulic oil tank:	555 L tank oil level

Attachments

Backing ducket and ann combination									
		Backhoe bucket							
Use		Normal digging		Wide		Heavy digging		Mass excavating	
Bucket capacity	ISO heaped m ³	1.35	1.6	1.9	2.1	2.4	1.9	2.1	3.4
Ducket capacity	Struck m³	1.0	1.15	1.4	1.5	1.7	1.4	1.5	2.5
Opening width	With side cutter mm	1,225	1,375	1,670	1,750	1,980	1,590	1,660	1,990
Opening widin	Without side cutter mm	1,100	1,250	1,550	1,630	1,860	1,510	1,580	1,870
No. of bucket teeth		4	4	5	5	5	4	5	6
Bucket weight	kg	1,250	1,330	1,510	1,560	1,690	2,150	2,270	2,190
	2.4 m ME arm *	_	_	_	_	_	_	_	©*
Combinations	3.0 m short arm	0	0	0	0	Δ	0	0	_
Comminations	3.45 m STD arm	0	0	0	Δ	_	0	Δ	_
	4.9 m long arm	0	Δ	Δ	_	_	_	_	_



				Unit: m
Boom	6.3 m			
Arm Range	ME 2.4 m	Short 3.0 m	Standard 3.45 m	Long 4.9 m
a - Max. digging reach	10.88	11.77	12.07	13.48
b- Max. digging reach at ground level	10.63	11.54	11.84	13.28
c - Max. digging depth	6.48	7.36	7.81	9.26
d- Max. digging height	10.49	11.16	10.93	11.70
e - Max. dumping clearance	6.91	7.72	7.58	8.29
f - Min. dumping clearance	3.11	3.22	2.77	1.32
g- Max. vertical wall digging depth	4.00	6.68	7.12	8.41
h - Min. swing radius	4.75	5.27	5.14	5.30
i - Horizontal digging stroke at ground level	3.59	5.21	6.1	8.28
j - Digging depth for 2.4 m (8') flat bottom	6.31	7.21	7.67	9.15
Bucket capacity ISO heaped m ³	3.4	2.1	1.9	1.35

Digging Force (ISO 6015)				Unit: kN (tf)
Arm length	ME	Short	Standard	Long
	2.4 m	3.0 m	3.45 m	4.9 m
Bucket digging force	279 {28.0}	266 {27.1}	267 {27.2}	263 {26.8}
	305 {31.1}*	291 {29.7}*	292 {29.8}*	288 {29.4}*
Arm crowding force	247 {25.2}	223 {22.8}	203 {20.7}	157 {16.0}
	270 {27.5}*	244 {24.9}*	222 {22.7}*	172 {17.6}*

^{*}Power Boost engaged.

Dimensions

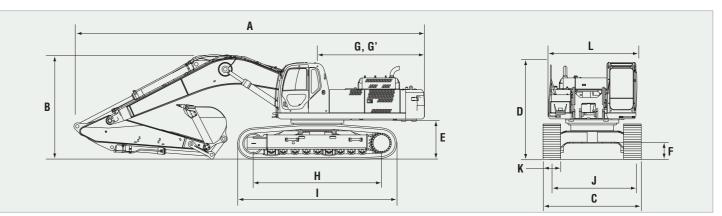
	Arm length		ME 2.4 m	Short 3.0 m	Standard 3.45 m	Long 4.9 m
Α	Overall length		11,620	12,080	12,030	12,090
В	Overall height (to top of boom)		4,260	3,800	3,570	4,410
C	Overall width	SK460		3,550 (with 80	00 mm shoes)	
U	Overall width	SK480LC		3,550 (with 80	00 mm shoes)	
D	Overall height (to	top of cab)	3,310	3,310	3,310	3,310
Ε	Ground clearance o	f rear end*	1,340	1,340	1,340	1,340
F	Ground clearance*		510	510	510	510

			a
			b
			<u>h</u>
			12 m
1			11
			10
			9 8
			0 7
			6
d			5
	е	-	4
		+	3
		f	127
			i
			2
		ıl ⊢	3
C	j ^y	1 -	4
			5
			6
			7 8 m
		13m	12 11 10 9 8 7 6 5 4 3 2 1

---- Standard Arm

						Unit: mm
G	Tail swing radius		3,670	3,670	3,670	3,670
G'	Distance from cen swing to rear end	ter of	3,670	3,670	3,670	3,670
	Tumbles distance	SK460	4,060	4,060	4,060	4,060
Н	Tumbler distance	SK480LC	4,400	4,400	4,400	4,400
	Overall length	SK460	5,110	5,110	5,110	5,110
٠	of crawler	SK480LC	5,450	5,450	5,450	5,450
J	Track gauge		2,750	2,750	2,750	2,750
K	Shoe width			600/80	00/900	
L	Overall width of up	perstructure	3.000	3.000	3.000	3.000

^{*} Without including height of shoe lug.



Operating Weight & Ground Pressure

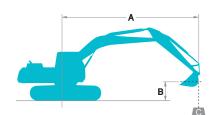
In standard trim, with standard boom, 3.45 m arm, and 1.9 m³ ISO heaped bucket

iii stanuaru triiii, witti si	iaiiuaiu buuiii,	3.43 III allii, allu	1.9 III 100 licapeu bucket		
Shaped				Triple grouser shoes (even height)	
Shoe width	mm		600	800	900
Overall width	mm	SK460	3,350	3,550	3,650
Overall within	mm	SK480LC	3,350	3,550	3,650
Ground pressure	kPa (kgf/cm²)	SK460	86 {0.87}	66 {0.67}	59 {0.61}
arouna pressure	KFa (KYI/CIII)	SK480LC	81 {0.83}	63 {0.64}	56 {0.58}
Onereting weight	ka	SK460	46,400	47,800	48,300
Operating weight	kg	SK480LC	47,300	48,800	49,400

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- Rating over side or 360 degrees
- A Reach from swing centerline to bucket hook
- B Bucket hook height above/below ground
- C Lifting capacities in kilograms
- Max. discharge pressure: 34.3 MPa (350 kgf/cm²)

SK460)	Standa	rd Arm: 3	.45 m Bu	icket: 1.9	m³ ISO h	eaped 1,	510 kg S	hoe: 600	mm								
	Α	1.5	i m	3.0) m	4.5	i m	6.0) m	7.5	i m	9.0	m	10.	5 m	At Max.	. Reach	
В																	#	Radius
7.5 m	kg											*7,160	7,060			*6,550	*6,550	9.16 m
6.0 m	kg											*7,350	6,930			*6,550	5,740	9.87 m
4.5 m	kg									*8,750	*8,750	*7,870	6,660			*6,750	5,100	10.31 m
3.0 m	kg					*17,500	*17,500	*12,400	12,250	*9,930	8,610	*8,540	6,340	*7,350	4,770	*7,150	4,750	10.52 m
1.5 m	kg					*20,650	17,430	*14,260	11,350	*11,050	8,090	*9,200	6,040	7,310	4,610	7,290	4,600	10.51 m
G. L.	kg			*7,930	*7,930	*20,810	16,710	*15,480	10,780	*11,890	7,710	9,170	5,800			7,430	4,670	10.28 m
-1.5 m	kg	*9,740	*9,740	*13,390	*13,390	*22,070	16,530	*15,950	10,510	11,960	7,500	9,040	5,680			7,930	4,980	9.81 m
-3.0 m	kg	*15,010	*15,010	*19,640	*19,640	*21,100	16,650	*15,610	10,500	11,930	7,480	9,070	5,710			8,970	5,650	9.07 m
-4.5 m	kg			*26,610	*26,610	*18,970	17,040	*14,260	10,720	*10,890	7,670					*9,800	7,020	7.98 m
-6.0 m	kg					*15,020	*15,020	*11,120	*11,120							*10,250	*10,250	6.35 m

SK460		Short Arm	ı: 3.0 m Buc	ket: 2.1 m³ l	SO heaped	1,560 kg S	hoe: 600 mn	1						
	А	3.0) m	4.5	m	6.0	m	7.5	m	9.0) m	At Max.	Reach	
В														Radius
9.0 m	kg											*7,930	*7,930	7.79 m
7.5 m	kg											*7,720	7,110	8.88 m
6.0 m	kg							*8,330	*8,330	*7,850	6,840	*7,630	5,980	9.61 m
4.5 m	kg					*11,060	*11,060	*9,290	9,070	*8,300	6,600	*7,790	5,310	10.06 m
3.0 m	kg			*18,790	18,510	*13,090	12,040	*10,410	8,520	*8,910	6,300	7,730	4,950	10.28 m
1.5 m	kg			*15,970	*15,970	*14,790	11,230	*11,430	8,050	9,410	6,030	7,600	4,820	10.27 m
G. L.	kg			*17,860	16,680	*15,800	10,750	*12,150	7,710	9,200	5,830	7,780	4,910	10.03 m
-1.5 m	kg	*12,410	*12,410	*21,900	16,640	*16,030	10,560	12,020	7,560	9,110	5,760	8,350	5,280	9.55 m
-3.0 m	kg	*20,100	*20,100	*20,570	16,850	*15,420	10,620	*11,950	7,590			9,540	6,060	8.79 m
-4.5 m	kg	*24,550	*24,550	*18,030	17,320	*13,690	10,920	*10,240	7,880			*9,880	7,670	7.65 m
-6.0 m	kg			*13,310	*13,310							*9,660	*9,660	5.93 m

SK460		Long A	rm: 4.9 m	Bucket:	1.35 m³ l	SO heape	ed 1,250	kq Shoe:	600 mm									
	Α	1.5	5 m	3.0) m	4.5	5 m	6.0	D m	7.5	5 m	9.0	m	10.	5 m	At Max.	Reach	
В			—		—		—		-								—	Radius
9.0 m	kg															*4,390	*4,390	9.92 m
7.5 m	kg													*5,070	*5,070	*4,200	*4,200	10.80 m
6.0 m	kg													*5,770	5,290	*4,150	*4,150	11.40 m
4.5 m	kg											*6,400	*6,400	*6,110	5,090	*4,210	3,920	11.79 m
3.0 m	kg									*8,180	*8,180	*7,190	6,510	*6,570	4,850	*4,380	3,650	11.97 m
1.5 m	kg			*9,110	*9,110	*17,110	*17,110	*12,070	11,820	*9,520	8,290	*8,030	6,100	*7,090	4,600	*4,670	3,530	11.96 m
G. L.	kg	*3,640	*3,640	*8,730	*8,730	*19,960	16,960	*13,890	10,910	*10,680	7,730	*8,780	5,740	7,080	4,380	*5,130	3,540	11.76 m
-1.5 m	kg	*6,960	*6,960	*11,260	*11,260	*21,360	16,210	*15,050	10,340	*11,520	7,340	8,850	5,490	6,920	4,230	*5,820	3,700	11.35 m
-3.0 m	kg	*10,550	*10,550	*15,020	*15,020	*21,580	15,970	*15,490	10,080	11,580	7,130	8,710	5,360	6,880	4,190	6,670	4,060	10.72 m
-4.5 m	kg	*14,680	*14,680	*20,000	*20,000	*20,710	16,070	*15,130	10,080	11,570	7,120	8,740	5,380			7,700	4,740	9.82 m
-6.0 m	kg	*19,780	*19,780	*26,960	*26,960	*18,550	16,490	*13,730	10,320	*10,430	7,330					*8,430	6,060	8.55 m
-7.5 m	kg			*20,380	*20,380	*14,390	*14,390	*10,450	*10,450							*8,730	*8,730	6.73 m

SK46	0	ME Arm: 2	2.4 m Bucke	et: 3.4 m³ IS(O heaped 2	,190 kg Sho	e: 600 mm							_
	Α	3.0) m	4.5	m	6.0	m	7.5	m	9.0) m	At Max.	Reach	
В		<u> </u>	—	-	—	å	—	-			—	-	—	Radius
7.5 m	kg							*8,790	*8,790			*5,840	*5,840	7.86 m
6.0 m	kg							*8,970	*8,970			*5,610	*5,610	8.68 m
4.5 m	kg					*11,310	*11,310	*9,710	*9,710	*8,090	7,590	*5,630	*5,630	9.18 m
3.0 m	kg			*18,360	*18,360	*13,200	*13,200	*10,690	10,040	*9,310	7,390	*5,870	*5,870	9.41 m
1.5 m	kg			*21,160	20,680	*14,830	13,440	*11,610	9,590	*9,730	7,180	*6,350	*6,350	9.40 m
G. L.	kg			*22,130	20,050	*15,780	12,940	*12,190	9,290	*9,870	7,050	*7,170	6,880	9.14 m
-1.5 m	kg	*20,320	*20,320	*21,660	19,980	*15,830	12,770	*12,160	9,180			*8,570	7,530	8.61 m
-3.0 m	kg	*27,790	*27,790	*19,830	*19,830	*14,730	12,900	*10,930	9,350			*10,240	8,950	7.75 m
-4.5 m	kg	*21,730	*21,730	*16,000	*16,000	*11,500	*11,500					*10,070	*10,070	6.43 m

SK480L	C	Standa	rd Arm: 3	.45 m Bu	icket: 1.9	m³ ISO h	eaped 1,	510 kg SI	hoe: 600	mm								
	A	1.5	i m	3.0) m	4.5	i m	6.0) m	7.5	i m	9.0	m	10.5	5 m	At Max	. Reach	
В			-		-		-		-									Radius
7.5 m	kg											*7,160	*7,160			*6,550	*6,550	9.16 m
6.0 m	kg											*7,350	7,060			*6,550	5,860	9.87 m
4.5 m	kg									*8,750	*8,750	*7,870	6,800			*6,750	5,220	10.31 m
3.0 m	kg					*17,500	*17,500	*12,400	*12,400	*9,930	8,780	*8,540	6,480	*7,350	4,880	*7,150	4,860	10.52 m
1.5 m	kg					*20,650	17,770	*14,260	11,580	*11,050	8,260	*9,200	6,170	*7,950	4,730	*7,820	4,720	10.51 m
G. L.	kg			*7,930	*7,930	*20,810	17,050	*15,480	11,000	*11,890	7,880	*9,710	5,940			*8,420	4,780	10.28 m
-1.5 m	kg	*9,740	*9,740	*13,390	*13,390	*22,070	16,870	*15,950	10,740	*12,280	7,670	*9,900	5,820			*8,870	5,100	9.81 m
-3.0 m	kg	*15,010	*15,010	*19,640	*19,640	*21,100	16,990	*15,610	10,720	*12,070	7,650	*9,500	5,850			*9,380	5,790	9.07 m
-4.5 m	kg			*26,610	*26,610	*18,970	17,380	*14,260	10,950	*10,890	7,840					*9,900	7,180	7.98 m
-6.0 m	kg					*15,020	*15,020	*11,120	*11,120							*10,250	*10,250	6.35 m

SK480L	.C	Short Arm	ı: 3.0 m Bud	ket: 2.1 m³ l	SO heaped	1,560 kg S	hoe: 600 mr	1						
	А	3.0) m	4.5	m	6.0	m	7.5	i m	9.0	m	At Max.	Reach	
В			-		-		-		—				# -	Radius
9.0 m	kg											*7,930	*7,930	7.79 m
7.5 m	kg											*7,720	7,250	8.88 m
6.0 m	kg							*8,330	*8,330	*7,850	6,970	*7,630	6,100	9.61 m
4.5 m	kg					*11,060	*11,060	*9,290	9,240	*8,300	6,730	*7,790	5,430	10.06 m
3.0 m	kg			*18,790	*18,790	*13,090	12,270	*10,410	8,690	*8,910	6,440	*8,170	5,070	10.28 m
1.5 m	kg			*15,970	*15,970	*14,790	11,460	*11,430	8,220	*9,510	6,170	*8,450	4,940	10.27 m
G. L.	kg			*17,860	17,020	*15,800	10,980	*12,150	7,880	*9,920	5,970	*8,790	5,030	10.03 m
-1.5 m	kg	*12,410	*12,410	*21,900	16,980	*16,030	10,790	*12,390	7,730	*9,950	5,890	*9,180	5,410	9.55 m
-3.0 m	kg	*20,100	*20,100	*20,570	17,190	*15,420	10,850	*11,950	7,760			*9,570	6,200	8.79 m
-4.5 m	kg	*24,550	*24,550	*18,030	17,660	*13,690	11,150	*10,240	8,050			*9,880	7,830	7.65 m
-6.0 m	kg			*13,310	*13,310							*9,660	*9,660	5.93 m

SK480LC		Long A	rm: 4.9 m	Bucket:	1.35 m³ l	SO heape	d 1,250	kg Shoe:	600 mm									
	A	1.5	i m	3.0) m	4.5	i m	6.0) m	7.5	i m	9.0	m	10.	5 m	At Max.	Reach	
В																		Radius
9.0 m	kg															*4,390	*4,390	9.92 m
7.5 m	kg													*5,070	*5,070	*4,200	*4,200	10.80 m
6.0 m	kg													*5,770	5,400	*4,150	*4,150	11.40 m
4.5 m	kg											*6,400	*6,400	*6,110	5,200	*4,210	4,020	11.79 m
3.0 m	kg									*8,180	*8,180	*7,190	6,640	*6,570	4,960	*4,380	3,750	11.97 m
1.5 m	kg			*9,110	*9,110	*17,110	*17,110	*12,070	12,050	*9,520	8,460	*8,030	6,230	*7,090	4,710	*4,670	3,630	11.96 m
G. L.	kg	*3,640	*3,640	*8,730	*8,730	*19,960	17,300	*13,890	11,140	*10,680	7,900	*8,780	5,880	*7,550	4,490	*5,130	3,640	11.76 m
-1.5 m	kg	*6,960	*6,960	*11,260	*11,260	*21,360	16,550	*15,050	10,570	*11,520	7,510	*9,330	5,620	*7,840	4,350	*5,820	3,800	11.35 m
-3.0 m	kg	*10,550	*10,550	*15,020	*15,020	*21,580	16,310	*15,490	10,310	*11,890	7,310	*9,540	5,490	*7,790	4,310	*6,900	4,170	10.72 m
-4.5 m	kg	*14,680	*14,680	*20,000	*20,000	*20,710	16,410	*15,130	10,300	*11,650	7,290	*9,180	5,520			*7,980	4,860	9.82 m
-6.0 m	kg	*19,780	*19,780	*26,960	*26,960	*18,550	16,830	*13,730	10,550	*10,430	7,500					*8,430	6,200	8.55 m
-7.5 m	kg			*20,380	*20,380	*14,390	*14,390	*10,450	*10,450							*8,730	*8,730	6.73 m

SK480L0	;	ME Arm: 2	2.4 m Bucke	et: 3.4 m³ IS	D heaped 2,	,190 kg Sho	e: 600 mm							
	A	3.0	m	4.5	m	6.0) m	7.5	m	9.0) m	At Max.	Reach	
В			-		-		-		—		-			Radius
7.5 m	kg							*8,790	*8,790			*5,840	*5,840	7.86 m
6.0 m	kg							*8,970	*8,970			*5,610	*5,610	8.68 m
4.5 m	kg					*11,310	*11,310	*9,710	*9,710	*8,090	7,730	*5,630	*5,630	9.18 m
3.0 m	kg			*18,360	*18,360	*13,200	*13,200	*10,690	10,210	*9,310	7,530	*5,870	*5,870	9.41 m
1.5 m	kg			*21,160	21,020	*14,830	13,670	*11,610	9,760	*9,730	7,310	*6,350	*6,350	9.40 m
G. L.	kg			*22,130	20,390	*15,780	13,170	*12,190	9,460	*9,870	7,180	*7,170	7,010	9.14 m
-1.5 m	kg	*20,320	*20,320	*21,660	20,320	*15,830	12,990	*12,160	9,350			*8,570	7,680	8.61 m
-3.0 m	kg	*27,790	*27,790	*19,830	*19,830	*14,730	13,130	*10,930	9,520			*10,240	9,110	7.75 m
-4.5 m	kg	*21,730	*21,730	*16,000	*16,000	*11,500	*11,500					*10,070	*10,070	6.43 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. Bucket lift hook defined as lift point.

- 4. The above lifting capacities are in compliance with ISO 10567. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Lifting 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.

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