

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 mat
- 7-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
- Radio, AM/FM Stereo with speakers
- Travel alarm (optional for NZ)
- Level indicator (optional for NZ)

OPTIONAL EQUIPMENT

- Wide range of buckets
- Various optional arms
- Wide range of shoes
- Boom safety valve
- Arm safety valve
- Front-guard protective structures (May interfere with bucket action)
- Additional hydraulic circuit

■ 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. Copyright by **KOBELCO CONSTRUCTION MACHINERY CO., LTD.** No part of this catalog may be reproduced in any manner without notice.

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Inquiries To:

ACERA
GEOSPEC
SK460
SK480^{LC}

Hydraulic Excavators

- Bucket Capacity:
1.35 – 3.8 m³ ISO heaped
- Engine Power:
257 kW {350 PS} 1,850 min⁻¹{rpm}
(ISO14396)
- Operating Weight:
46,400 kg–SK460
47,300 kg–SK480LC

Complies with the latest exhaust emission regulations



US
EPA Tier III



EU (NRMM)
Stage IIIA



Latest Japanese
Regulations

That's KOBELCO!

Your First Choice

The Power Wave of Change

Announcing ACERA GEOSPEC and the Concept of Beautiful Performance.

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.

Photos in this catalog are the Japanese specs.



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/boom 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

- Meets the latest exhaust emission standards*
- Auto Idle Stop as standard equipment
- Noise reduction measures (with improvement of the sound quality) minimize noise and vibration

*In some regions, products do not feature EGR (exhaust gas recirculation) and are not Tier III-compliant.

ACERA GEOSPEC ACERA GEOSPEC

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.

The GEOSPEC Difference: Efficient Performance!

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

Work Volume*
18 % increase in work volume using the same amount of fuel. (H-Mode)

Fuel Consumption*
18 % 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 with power boost: **292 kN** {29.8 tf} ↑

Powerful Travel

Travel torque: increased by **4 %**

Drawbar pulling force: **400 kN** {40.8 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.**

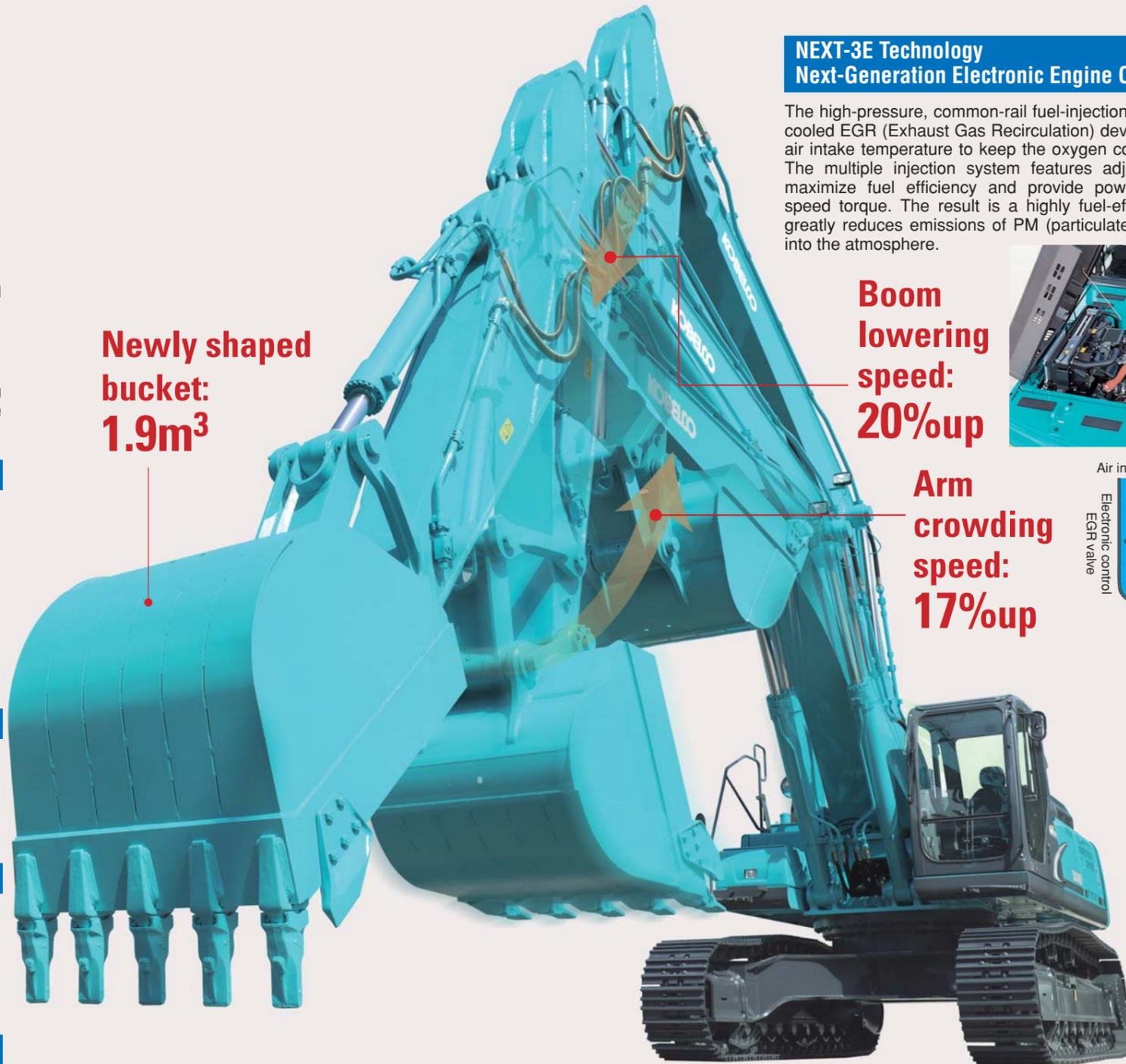
Fuel tank: **650L**
34 % ↑

Light Lever Operation

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

10 % Less

Newly shaped bucket: **1.9m³**



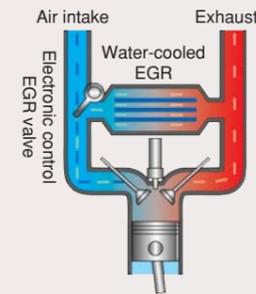
NEXT-3E Technology Next-Generation Electronic Engine Control

The high-pressure, common-rail fuel-injection engine features a cooled EGR (Exhaust Gas Recirculation) device that lowers the air intake temperature to keep the oxygen concentration down. The multiple injection system features adjustable control to maximize fuel efficiency and provide powerful medium/low-speed torque. The result is a highly fuel-efficient engine that greatly reduces emissions of PM (particulate matter) and NOx into the atmosphere.



Boom lowering speed: **20% up**

Arm crowding speed: **17% up**



Simple Select: Two Digging Modes



- H-Mode** For heavy duty when a higher performance level is required.
- S-Mode** 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.

Attachment Mode Selector Switch **NEW!**
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 ease.

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

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.

NEXT-3E Technology Total Tuning Through Advanced ITCS Control

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 possible with a minimum of wasted output.

ITCS ITCS (Intelligent Total Control System) is an advanced, computerized system that provides comprehensive control of all machine functions.

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

**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 GEOSPEC Difference:

The Value and Quality of Sturdy Construction!

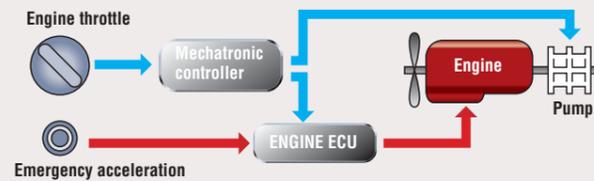
Stable Attachment Strength

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.



New MCU Conventional 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.

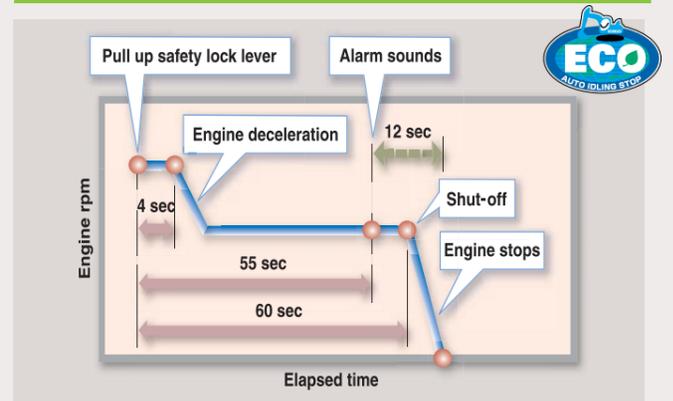
The GEOSPEC Difference:

Designed for the Environment and the Future!

Meets Standard Values Set by Emissions Regulations

The engine used in the GEOSPEC machines represents the crystallization of various cutting-edge technologies that minimize the emission of PM (Particulate Matter), NOx, black smoke, and other emissions, thus meeting all internationally recognized environmental regulations, including US EPA Tier III, NRMM (Europe) Stage IIIA, and act on regulation, etc. of emission from non-road special motor vehicles (Japan).

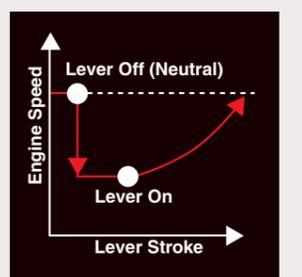
Auto Idle Stop Provided as Standard Equipment



This function saves fuel and cuts emissions by shutting down the engine automatically when the machine is on standby. 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.

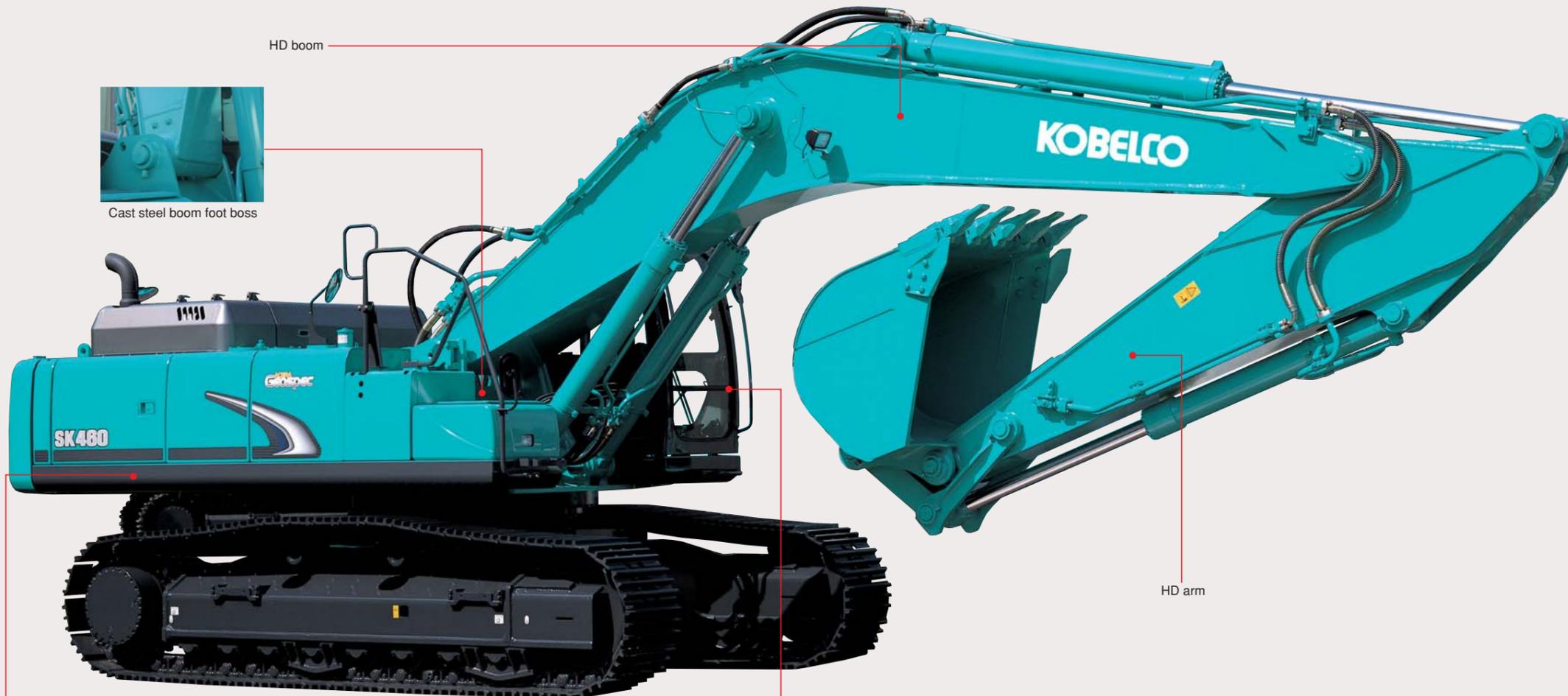
Meets EMC (Electromagnetic Compatibility) Standards in Europe.

Measures have been taken to ensure that the GEOSPEC machines do not cause electromagnetic interference.

HD boom



Cast steel boom foot boss



HD arm

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

The GEOSPEC Difference:

“On the Ground” Maintenance!

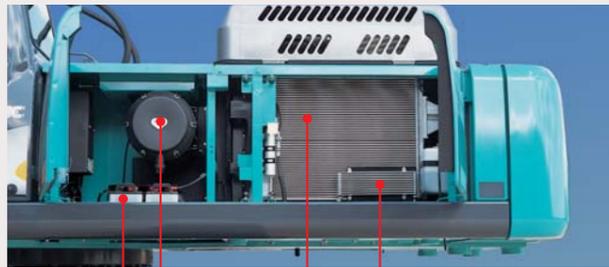
Comfortable “On the Ground” Maintenance

The machine layout was designed with easy inspection and maintenance in mind.



Access through the left side cover

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



Batteries Air cleaner Intercooler Fuel cooler

Quick Oil Drain Valves for Quick Maintenance



Quick drain valve



Fuel drain valve

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

2 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



3 Detachable two-piece floor mat with handles for easy removal. A floor drain is located under the mat.



4 Easy-access fuse box. More finely differentiated fuses make it easier to locate malfunctions.



5 Air conditioner filter can be easily removed without tools for cleaning.



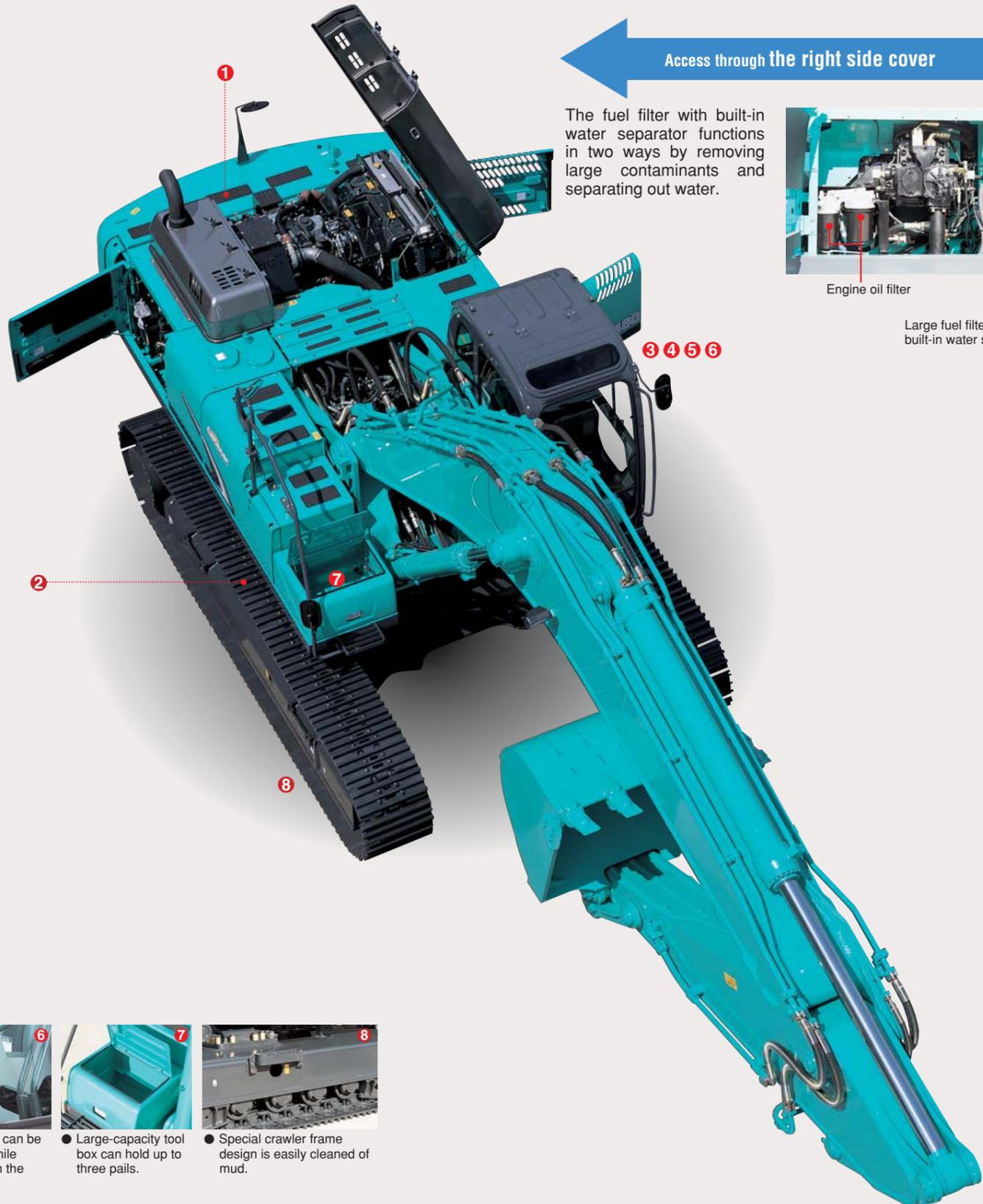
6 Hour meter can be checked while standing on the ground.



7 Large-capacity tool box can hold up to three pails.



8 Special crawler frame design is easily cleaned of mud.



Access through the right side cover

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



Engine oil filter

Large fuel filter (with built-in water separator)

Long-Life Hydraulic Oil Reduces Replacement Costs

Long-life hydraulic oil:
5,000 hours

The long-life hydraulic oil features a base oil with excellent demulsification, with optimized wear-resistant additives and antioxidants that help to boost the service life to 5,000 hours and greatly reduce the number of changes necessary.

Highly Durable Super-fine Filter



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.

Air cleaner (double element)

High-Grade Fuel Filter with Superior Filtration Performance

NEW!



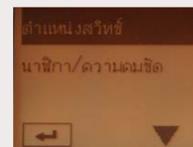
The high-performance, large capacity filter is designed specially for the common-rail fuel-injection engine.

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 early-warning detection and display of electrical system malfunctions.
- Record previous breakdowns, including irregular and transient malfunctions.

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.

充電不良	Lichtmaschine defekt	CHARGE ERROR	CHARGE ERROR
Chinese	German	English	English (US)
ERREUR DE CHARGE	PENGISIAN BATT. RUSAK		ERRORE DI CARICA
French	Indonesian	ISO	Italian
チャージ	KESALAHAN CAS	အမှားပေးပါ	ERRO DE CARGA
Japanese	Malay	Myanmar(Bruese)	Portuguese
ERROR EN CARGA	தவறாக திணிததல்	အမှားပေးပါ	Sạc Bị ãn Bị Lỗi
Spanish	Tamil	Thai	Vietnamese

The GEOSPEC Difference:

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.

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.

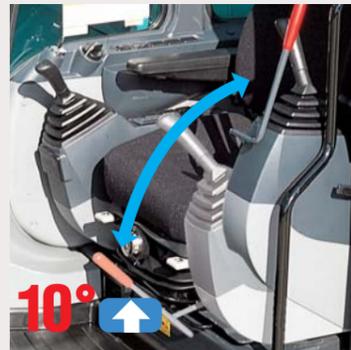


Photo includes optional pedals for N&B and rotation.

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.

Creating a Comfortable Operating Environment



● Seat can be reclined to horizontal position



- Double slide and suspension seat
- Powerful automatic air conditioner
- Spacious luggage tray
- Two-speaker FM radio with station select
- New interior design and materials create an elegant feel



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

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



- Hammer for emergency exit



- Swing flashers/rear working lights



- Level indicator that shows degree of machine tilt (optional for NZ)

- Thermal guard prevents contact with hot components during engine inspections
- Hand rails meet European standards
- Retractable seatbelt requires no manual adjustment
- Travel alarm (optional for NZ)



Engine

Model	HINO P11C
Type:	Direct injection, water-cooled, 4-cycle electrically-controlled common rail system type diesel engine with turbocharger, intercooler (Complies with EU (NRMM) Stage IIIA, US EPA Tier III, and act on regulation, etc. of emissions from non-road special motor vehicles (Japan))
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)* 243 kW (333 PS)/1,850 min ⁻¹ (rpm) (ISO9249:2007)
Max. torque:	1,400 N·m/1,400 min ⁻¹ (rpm) (ISO14396:2002)* 1,359 N·m/1,400 min ⁻¹ (rpm) (ISO9249:2007)

*ISO 14396 meets EU regulation

Hydraulic System

Pump	
Type:	Two variable displacement pumps + 1 gear pump
Max. discharge flow:	2 X 370 L/min, 1 X 30 L/min
Relief valve setting	
Boom, arm and bucket:	31.4 MPa {320 kgf/cm ² }
Power Boost:	34.3 MPa {350 kgf/cm ² }
Travel circuit:	34.3 MPa {350 kgf/cm ² }
Swing circuit:	25.0 MPa {255 kgf/cm ² }
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

Attachments

Backhoe bucket and arm combination

Use	Backhoe bucket										
	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	3.8
	Struck	m ³	1.0	1.15	1.4	1.5	1.7	1.4	1.5	2.5	2.8
Opening width	With side cutter	mm	1,225	1,375	1,670	1,750	1,980	1,590	1,660	1,990	2,210
	Without side cutter	mm	1,100	1,250	1,550	1,630	1,860	1,510	1,580	1,870	2,090
No. of bucket teeth			4	4	5	5	5	4	5	6	6
Bucket weight		kg	1,250	1,330	1,510	1,560	1,690	2,150	2,270	2,190	2,350
Combinations	2.4 m ME arm *		—	—	—	—	—	—	—	⊙*	△*
	3.0 m arm		○	○	○	⊙	△	○	○	—	—
	3.45 m STD arm		○	⊙	⊙	△	—	⊙	△	—	—
	4.9 m arm		⊙	△	△	—	—	—	—	—	—

⊙ Recommended ○ Loading only △ Not recommended *ME arm specs should be used for light-digging.

Travel System

Travel motors:	2 X axial-piston, two-step motors
Travel brakes:	Hydraulic brake per motor
Parking brakes:	Oil disc brake per motor
Travel shoes:	47 each side (SK460) 50 each side (SK480LC)
Travel speed:	5.4 / 3.4 km/h
Drawbar pulling force:	400 kN {40.8 tf} (SAE J 1309)
Gradeability:	70 % {35°}
Ground clearance:	510 mm (SK460) 735 mm (SK480LC)

Cab & Control

Cab	
All-weather, sound-suppressed steel cab mounted on the silicon-sealed viscous mounts and equipped with a heavy, insulated floor mat.	
Control	
Two hand levers and two foot pedals for travel	
Two hand levers for excavating and swing	
Electric rotary-type engine throttle	

Boom, Arm & Bucket

Boom cylinders:	170 mm X 1,590 mm
Arm cylinder:	190 mm X 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 300 L hydraulic system

Working Ranges

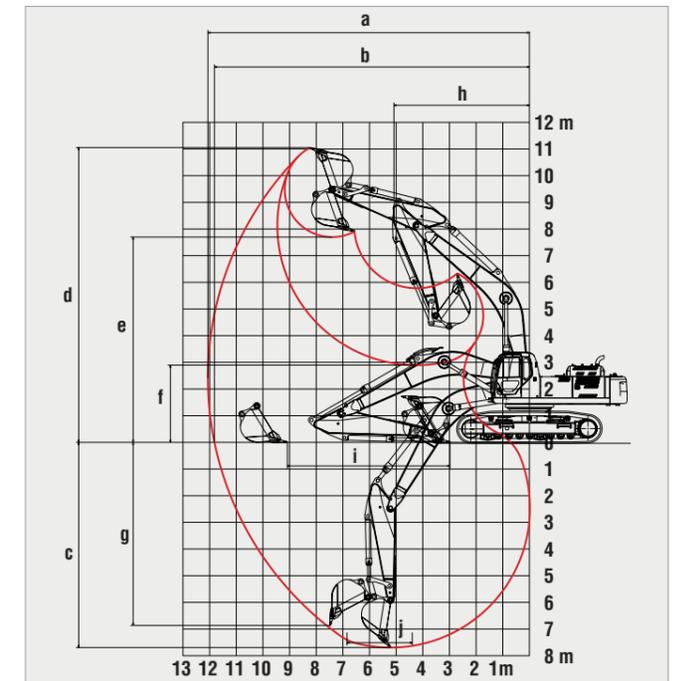
Range	Arm	Unit: m			
		ME 2.4 m	Short 3.0 m	Standard 3.45 m	Long 4.9 m
a - Max. digging reach		10.88	11.77	12.07	13.48
b - Max. digging reach at ground level		10.63	11.54	11.84	13.28
c - Max. digging depth		6.48	7.36	7.81	9.26
d - Max. digging height		10.49	11.16	10.93	11.70
e - Max. dumping clearance		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 2.4 m	Short 3.0 m	Standard 3.45 m	Long 4.9 m
Bucket digging force		281 (28.7)	266 (27.1)	267 (27.2)	263 (26.8)
		308 (31.4)*	291 (29.7)*	292 (29.8)*	288 (29.4)*
Arm crowding force		247 (25.2)	223 (22.8)	203 (20.7)	157 (16.0)
		271 (27.7)*	244 (24.9)*	222 (22.7)*	172 (17.6)*

*Power Boost engaged.

Dimensions

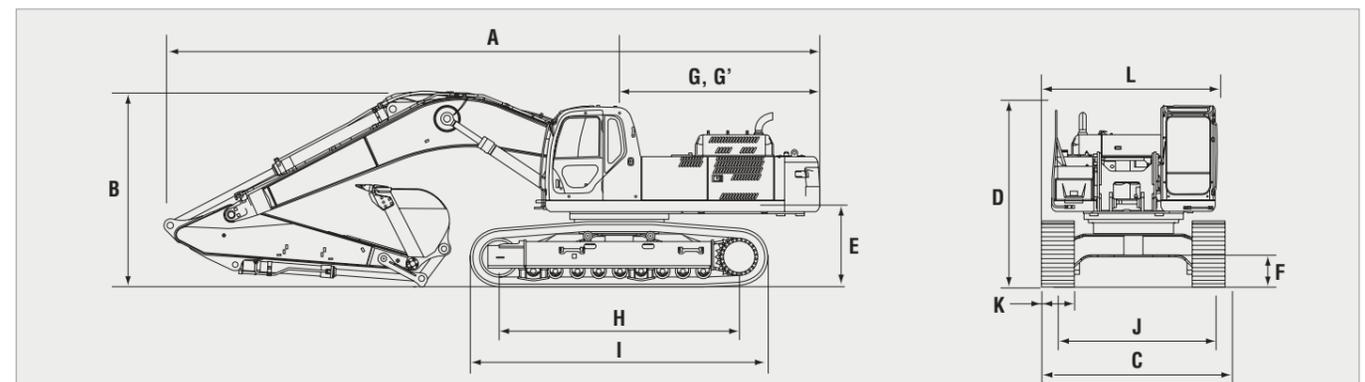
Arm length	ME 2.4 m	Short 3.0 m	Standard 3.45 m	Long 4.9 m
Boom length	6.3		7.0	
A Overall length	11,620	12,080	12,030	12,090
B Overall height (to top of boom)	4,260	3,800	3,570	4,410
C Overall width		3,350		
D Overall height (to top of cab)	SK460	3,310		
	SK480LC	3,430		
E Ground clearance of rear end*	SK460	1,340		
	SK480LC	1,460		
F Ground clearance*	SK460	510		
	SK480LC	735		



— Standard Arm

Unit: mm	
G Tail swing radius	3,670
G' Distance from center of Swing to rear end	3,670
H Tumbler distance	SK460 4,060 SK480LC 4,400
I Overall length of crawler	SK460 5,110 SK480LC 5,450
J Track gauge	2,750
K Shoe width	600/800/900
L Overall width of upperstructure	3,000

* Without including height of shoe lug.

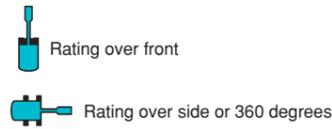
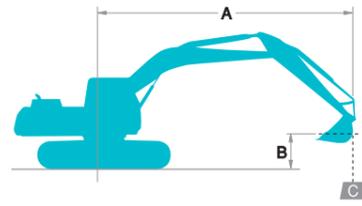


Operating Weight & Ground Pressure

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

Shaped	Shoe width	mm	Triple grouser shoes (even height)		
			600	800	900
Overall width	mm	SK460	3,350	3,550	3,650
		SK480LC	3,350	3,550	3,650
Ground pressure	kPa (kgf/cm ²)	SK460	86 (0.87)	66 (0.67)	59 (0.61)
		SK480LC	81 (0.83)	63 (0.64)	56 (0.58)
Operating weight	kg	SK460	46,500	47,800	48,300
		SK480LC	47,400	48,800	49,400

Lifting Capacities



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		Standard Arm: 3.45 m Bucket: 1.9 m ³ ISO heaped 1,510 kg Shoe: 600 mm																	
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		Radius	
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side		
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		
-6.0 m	kg																		

SK460		Short Arm: 3.0 m Bucket: 2.1 m ³ ISO heaped 1,560 kg Shoe: 600 mm																	
B	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius					
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side						
9.0 m	kg																		
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		
-6.0 m	kg																		

SK460		Long Arm: 4.9 m Bucket: 1.35 m ³ ISO heaped 1,250 kg Shoe: 600 mm																	
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		Radius	
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side		
9.0 m	kg																		
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		
-6.0 m	kg																		
-7.5 m	kg																		

SK460		ME Arm: 2.4 m Bucket: 3.4 m ³ ISO heaped 2,190 kg Shoe: 600 mm																	
B	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius					
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side						
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		

SK480LC		Standard Arm: 3.45 m Bucket: 1.9 m ³ ISO heaped 1,510 kg Shoe: 600 mm																	
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		Radius	
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side		
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		
-6.0 m	kg																		

SK480LC		Short Arm: 3.0 m Bucket: 2.1 m ³ ISO heaped 1,560 kg Shoe: 600 mm																	
B	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius					
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side						
9.0 m	kg																		
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		
-6.0 m	kg																		

SK480LC		Long Arm: 4.9 m Bucket: 1.35 m ³ ISO heaped 1,250 kg Shoe: 600 mm																	
B	A	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		At Max. Reach		Radius	
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side		
9.0 m	kg																		
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		
-6.0 m	kg																		
-7.5 m	kg																		

SK480LC		ME Arm: 2.4 m Bucket: 3.4 m ³ ISO heaped 2,190 kg Shoe: 600 mm																	
B	A	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		Radius					
		Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side						
7.5 m	kg																		
6.0 m	kg																		
4.5 m	kg																		
3.0 m	kg																		
1.5 m	kg																		
G. L.	kg																		
-1.5 m	kg																		
-3.0 m	kg																		
-4.5 m	kg																		

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.
- Bucket lift hook defined as lift point.
- 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.
- 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.