

# Even stronger attachment





# Increase in productivity means "Power"

Powerful travel system for easy transit over loose stones, and highly reliable filtration system ensure higher machine performance.

### **Crawlers Built for Unbeatable Durability**

### **Reinforced Guide Frame**



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

### **Track Guides**



Large, reinforced track guides are installed in three locations.

### Double-support outer flange upper rollers



### **Lower Under Cover**



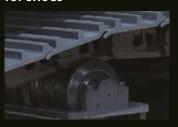
Hydraulic piping and equipment protected against damage from rubble and stony ground.

### **Track Links**



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

### Thicker steel plate for shoes



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

### Reinforced Travel Motor Cover



Rear of travel motor cover is reinforced



The improved filtration systems reduce the risk of mechanical trouble and enhance longevity and durability.

### Fuel Filter NEW

The pre-filter with built-in water separator has 1.8 times more filter area compared to the previous models and with a new final stage maintenance free fuel filter to maximize filtering performance.



### Hydraulic WEW Fluid Filter

Recognized as the best in the industry, our Premium-fine filter separates out even the smallest particles. New cover prevents contamination when changing filters.



### Metal Mesh NEW Cover Air Cleaner

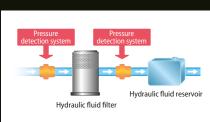
Metal mesh cover ensures strength and durability.



Enlarged filter image

### **Hydraulic Fluid Filter Clog Detector**

Hydraulic tank pressure sensor monitors the pressure difference between the return line and tank inside pressure to determine the degree of clogging. If the difference exceeds a predetermined level, a warning appears on the multi-display, so any contamination can be trapped by the filter and replaced before it reaches the hydraulic fluid in the tank.





24%\*
Higher fuel saving means
"Efficiency"

The new arm interflow system more efficiently controls hydraulic fluid flow, and significant reduction of in-line resistance and pressure loss boosts fuel efficiency by about 24%\*.

\*in Eco-mode compared to S-mode on the SK330-8

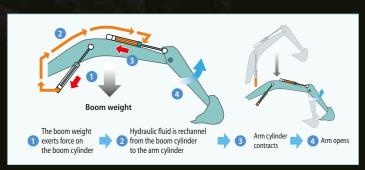
SX380XDi:

Hydraulic System: Revolutionary Technology Saves Fuel

### Arm Interflow System



When lowering the boom, this system uses the downward force generated by the boom's weight to push fluid to the shovel arm. This greatly reduces the need to apply power from outside the system.



Energy saving system saves fuel further

### Fuel efficient work mode ECO mode



The fuel-saving ECO mode is newly provided to the work mode, selectable according to a desired operation. Fuel consumption can be greatly reduced.



Used to reduce fuel consumption for small workloads

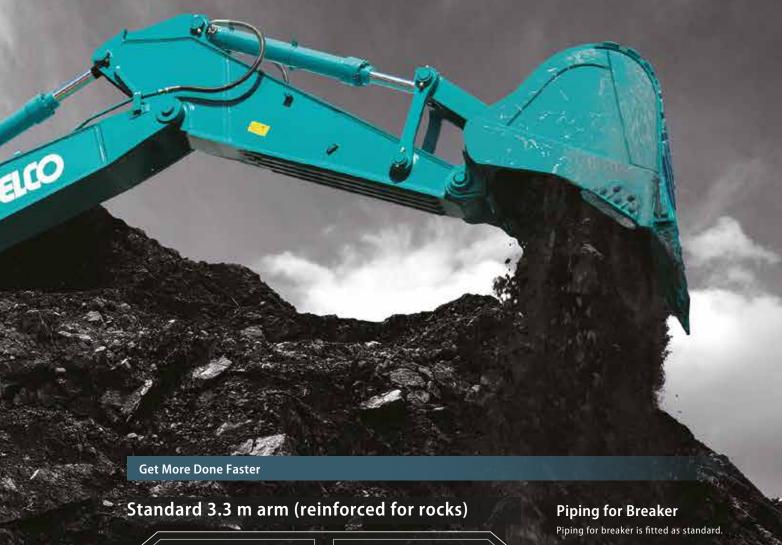
ECO-mode, 24% decrease (compared to S-mode on the SK330-8)

Used to prioritize the amount of work done

H mode, 16% decrease (compared to H-mode on the SK330-8)

Used to strike a balance between workloads and fuel efficiency

S mode, 19% decrease (compared to S-mode on the SK330-8)



Max. Bucket Digging Force

Normal :

229 kN

With Power Boost: 252 kN

Max. Arm crowding Force

Normal:

165 kN

With Power Boost: 182 kN

Max digging reach:

11,260 mm

Max digging depth:

7,560 mm

Max vertical digging depth:

6,480 mm



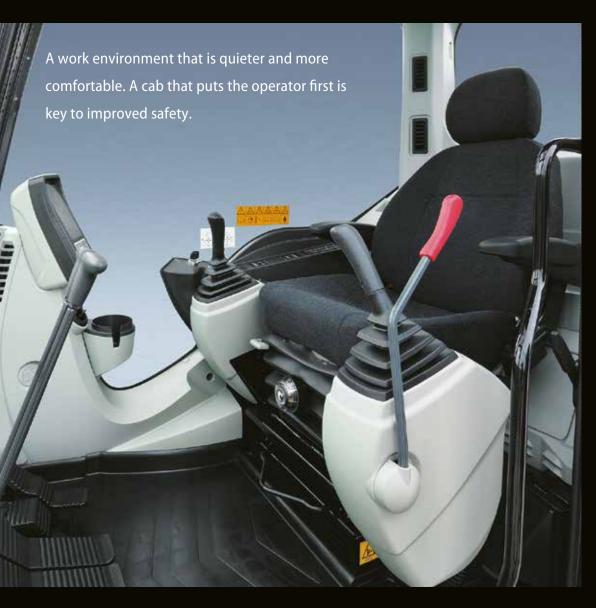


### **Top Class Traveling Force**

Powerful traveling force and drawbar pulling force deliver plenty of speed when climbing slopes or negotiating bad roads, and the agility to change direction swiftly and smoothly.

■ Drawbar Pulling Force: 331 kN

### **Comfortable Cab Is Now Safer than Ever**



### Multi-Display in Color NEW

Brilliant colors and graphic displays are easy to recognize on the LCD multi-display in the console. The display shows fuel consumption, maintenance intervals, and



### Large cab NEW

4 % larger than the previous cab capacity. Relaxing environment allows work to be performed in comfort.

### Air Conditioner **NEW** Louvers behind the Seat



The large air-conditioner has louvers on the back pillars that blow from behind and to the right and left of the operator's seat. They can be adjusted to put a direct flow of cool/warm air on the operator, which means a more comfortable operating environment.

### Super-Airtight Cab



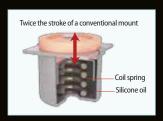


The high level of air-tightness keeps dust out of the cab.

### Low Vibration NEW



Coil springs absorb small vibrations, and high suspension mounts filled with silicone oil reduce heavy vibration. The long stroke achieved by this system provides excellent protection from vibration.



- 1 Analog gauge provides an intuitive reading of fuel level and engine water temperature
- 2 Green indicator light shows low fuel consumption during operation
- Fuel consumption/Switch indicator for rear camera images
- Digging mode switch
- Monitor display switch

### **One-Touch Attachment Mode Switch**

A simple touch of a button, switches the hydraulic circuit and flow amount to match attachment changes. Icons help the operator to confirm the proper configuration at a glance.

### Comfort

### **Broad View Liberates the Operator**



The front window features one large piece of glass without a center pillar on the right side for a wide, unobstructed view.

### Large Cab Is Easy to Get in and Out of



The expanded cab provides plenty of room for a large door, more headroom and smoother entry and exit.

### **More Comfortable Seat Means Higher Productivity**







### **Interior Equipment Adds to Comfort and Convenience**







## A Light Touch on the Lever Means Smoother, Less Tiring Work



It takes 38% less effort to work the operation lever, which reduces fatigue over long working hours or continued operations.

### Safety

### **ROPS Cab**





### Wide view during operations High Visibility for Safety





Greater safety assured by rearview mirrors on left and right.





### Easy, On-the-Spot Maintenance

There is ample space in the engine compartment for a mechanic to do maintenance work inside. The distance between steps is lower so entry and exit is easier. And the mechanic can work in comfort, without contortions or unnatural body positions. Finally, the hood is lighter and easier to raise and lower.





### Maintenance Work, Daily Checks, Etc., Can Be Done from Ground Level

The layout allows for easy access from the ground for many daily checks and regular maintenance tasks.





Simple layout for easy access to radiator and cooling system elements.





- 1 Fuel filter
- 2 Fuel filter with built-in water-separator
- 3 Engine oil filter

### **Easy Cleaning**



Special crawler frame design for easy mud removal cleaning.



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



Floor mat's raised edges help keep the cab floor free of mud, simplify cleaning.



Engine oil pan equipped with drain valve.

### More Efficient Maintenance Inside the Cab

Internal and external air conditioner filters can be easily removed without tools for cleaning.







### **Engine**

Model	HINO J08E	
Туре	Direct injection, water-cooled, 4-cycle, 6-cylinder diesel engine with intercooler turbo-charger	
No. of cylinders	6	
Bore and stroke	112 mm X 130 mm	
Displacement 7.684 L		
Pated namer autput	188 kW/2,100 min <sup>-1</sup> (ISO 9249)	
Rated power output	200 kW/2,100 min <sup>-1</sup> (ISO 14396)	
May targue	969 N•m/1,600 min <sup>-1</sup> (ISO 9249)	
Max. torque	998 N•m/1,600 min <sup>-1</sup> (ISO 14396)	



### **Travel System**

Travel motors	Variable displacement piston pump
Travel brakes	Hydraulic
Parking brakes	Wet multiple plate
Travel shoes	48 each side
ravel speed	5.6/3.3 km/h
Drawbar pulling force	331 kN (ISO 7464)
Gradeability	70 % {35°}
Ground clearance	500mm



### **Hydraulic System**

Pump		
Type Two Variable displacement piston pumps + one gear pump		
Max. discharge flow	2 x 294 L/min, 1 x 21 L/min	
Relief valve setting		
Boom, arm and bucket	34.3 MPa {350 kgf/cm²}	
Power Boost	37.8 MPa {385 kgf/cm <sup>2</sup> }	
Travel circuit	34.3 MPa {350 kgf/cm²}	
Swing circuit	29.0 MPa {296 kgf/cm²}	
Control circuit	5.0 MPa {50 kgf/cm²}	
Pilot control pump	Gear type	
Main control valves	8-spool	
Oil cooler	Air cooled type	



### Cab & Control

#### Cal

All-weather, sound-suppressed steel cab mounted on the high suspension mounts filled with silicone oil and equipped with a heavy, insulated floor mat.

Contro	pl
Two h	and levers and two foot pedals for travel
Two h	and levers for excavating and swing
Electri	c rotary-type engine throttle



### Boom, Arm & Bucket

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



### **Swing System**

Swing motor	Axial-piston mortor	
Brake	Hydraulic; locking automatically when the swing control lever is in neutral position	
Parking brake	Wet multiple plate	
Swing speed	10 min <sup>-1</sup> {rpm}	



### **Refilling Capacities & Lubrications**

Fuel tank	503 L
Cooling system	35 L
Engine oil	28.5 L
Travel reduction gear	2 x 8.0 L
Swing reduction gear	7 L
Under the oil took	245 L tank oil level
Hydraulic oil tank	410 L hydraulic system



### **Attachments**

### Backhoe bucket and arm combination

Duelot conscitu	ISO heaped	m³	1.4	1.6	1.8
Bucket capacity	ISO struck	m³	1.0	1.2	1.4
Opening width	With side cutters	mm	1,460	1,470	1,670
Opening width	Without side cutters	mm	1,250	1,390	1,640
No. of bucket teeth			5	5	5
Bucket weight		kg	1,600	1,810	1,830
2.60m Short arm			0	0	Δ
3.30m Standard arm			0		$\wedge$

<sup>○</sup> Recommended △ Loading only





### **Working Ranges**

Unit: m

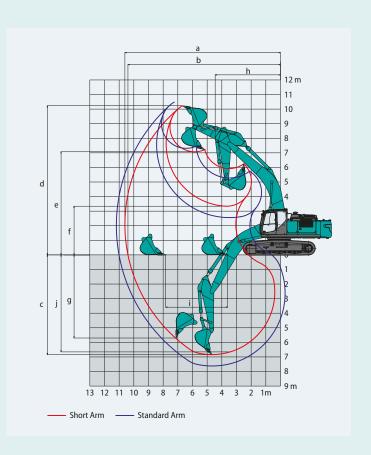
Boom	6.50 m	
Arm Range	HD Short 2.6 m	Standard 3.3 m
a- Max. digging reach	10.61	11.26
b- Max. digging reach at ground level	10.4	11.06
c- Max. digging depth	6.84	7.56
d- Max. digging height	10.23	10.54
e- Max. dumping clearance	7.07	7.37
f- Min. dumping clearance	3.34	2.62
g- Max. vertical wall digging depth	5.70	6.48
h- Min. swing radius	4.46	4.31
i- Horizontal digging stroke at ground level	4.21	5.82
j- Digging depth for 2.4 m (8') flat bottom	6.65	7.40
Bucket capacity ISO heaped m <sup>3</sup>	1.6	1.6

### Digging Force (ISO 6015)

Unit: kN

Arm length	HD Short 2.6 m	Standard 3.3 m
Bucket digging force	229 252*	229 252*
Arm crowding force	207 228*	165 182*

\*Power Boost engaged





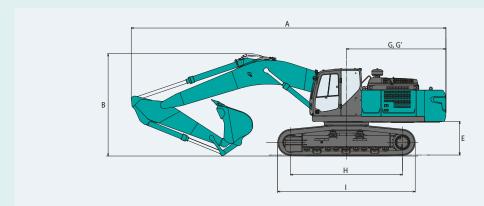
### Dimensions

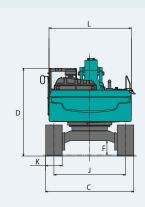
Arm length		HD Short 2.6 m	Standard 3.3 m
Α	Overall length	11,380	11,300
В	Overall height (to top of boom)	3,690	3,430
C Overall width		3,190	
D Overall height (to top of cab)		3,170	
Е	Ground clearance of rear end*	1,220	
F	Ground clearance*	500	

G	Tail swing radius	3,600
G'	Distance from center of swing to rear end	3,600
Н	Tumbler distance	4,050
-1	Overall length of crawler	4,970
J	Track gauge	2,590
K	Shoe width	600
L	Overall width of upperstructure	2,980

\*Without including height of shoe

Unit: mm



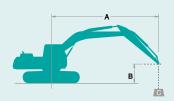


### **Operating Weight & Ground Pressure**

In standard trim, with standard boom, 2.6m arm, and 1.9 m³ ISO heaped bucket.

Shaped		Triple grouser shoes (even height)
Shoe width	mm	600
Overall width	mm	3,190
Ground pressure	kPa	71
Operating weight	kg	37,800







A: Reach from swing centerline to arm top B: Arm top height above/below ground C: Lift point Bucket: Without bucket Relief valve setting: 34.3 MPa (350 kgf/cm<sup>2</sup>)

SK380XD	Standard Arm: 3.3 m Bucket: Without					Shoe: 600 mm Counterweight: 7,890 kg										
A		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		At Max. Reach		
В		1	<del></del>	1	<b>—</b>	1	<del></del>	1	<del></del>	1	<b>—</b>	1	<b>—</b>	1	<b>—</b>	Radius
9.0 m	kg													*5,730	*5,730	6.56 m
7.5 m	kg									*6,860	*6,860			*5,240	*5,240	7.86 m
6.0 m	kg									*6,960	*6,960			*5,060	*5,060	8.71 m
4.5 m	kg							*8,550	*8,550	*7,440	7,420	*6,860	5,510	*5,060	*5,060	9.25 m
3.0 m	kg					*13,280	*13,280	*9,790	9,780	*8,080	7,070	*7,120	5,350	*5,230	4,890	9.52 m
1.5 m	kg					*15,180	13,680	*10,880	9,190	*8,690	6,740	*7,390	5,190	*5,560	4,750	9.54 m
G.L.	kg					*15,830	13,190	*11,520	8,800	*9,080	6,500	*7,510	5,070	*6,130	4,830	9.33 m
-1.5 m	kg			*13,930	*13,930	*15,490	13,090	*11,560	8,640	*9,080	6,390			*7,080	5,160	8.85 m
-3.0 m	kg	*15,860	*15,860	*19,450	*19,450	*14,310	13,230	*10,900	8,680	*8,430	6,440			*7,500	5,890	8.07 m
-4.5 m	kg			*15,790	*15,790	*12,000	*12,000	*9,100	8,940					*7,390	*7,390	6.88 m

SK380XD	LC	Short Arm: 2.6 m Bucket: Without Shoe: 600 mm Counterweight: 7,890 kg											
A		3.0 m		4.5 m		6.0	) m	7.5	m	At Max. Reach			
В		1	<del>-</del>	1	<del>-</del>	1	<del></del>	1	<del></del>	1	<b>—</b>	Radius	
7.5 m	kg									*7,730	*7,730	7.06 m	
6.0 m	kg					*8,280	*8,280	*7,580	7,480	*7,510	6,680	8.00 m	
4.5 m	kg			*11,900	*11,900	*9,230	*9,230	*7,940	7,230	*7,470	5,820	8.58 m	
3.0 m	kg					*10,350	9,490	*8,470	6,920	*7,540	5,380	8.87 m	
1.5 m	kg					*11,240	8,970	*8,950	6,630	*7,660	5,230	8.89 m	
G.L.	kg			*15,660	13,040	*11,610	8,680	*9,160	6,450	*7,810	5,340	8.66 m	
-1.5 m	kg			*14,840	13,100	*11,340	8,620	*8,890	6,410	*7,940	5,790	8.15 m	
-3.0 m	kg	*16,720	*16,720	*13,220	*13,220	*10,250	8,760			*7,940	6,820	7.29 m	
-4.5 m	kg	*12,590	*12,590	*10,190	*10,190					*7,440	*7,440	5.95 m	

- 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 pin is 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.

### **Excavator Remote Monitoring System**

Remote Monitoring System is a satellite-based system for receiving machine information. Manage your machines anywhere in the world using the Internet. Location, workload and diagnostic data aid business operations.

#### **Direct Access to Operational Status**

#### **Location Data**

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

#### **Operating Hours**

A comparison of operating times of machines at multiple locations shows which locations are busier and more profitable.

Operating hours on site can be accurately recorded, for running time calculations needed for rental machines, etc.

#### **Fuel Consumption Data**

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

#### **Graph of Work Content**

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



#### 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

### Security System

### **Engine Start Alarm**

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

#### Area Alarm

Sends a notification if the machine leaves a pre-defined

Note: Remote monitoring system is not applicable in some area due to country regulation of the communication lines or availability of infrastructure.



### STANDARD EQUIPMENT

#### **ENGINE**

- Engine, HINO J08E, diesel engine with turbocharger and intercooler
- Automatic engine deceleration
- Auto Idle Stop (AIS)
- Batteries (2 x 12V 104Ah)
- Starting motor (24V 5 kW), 60 amp alternator
- Automatic engine shut-down for low engine oil pressure
- Engine oil pan drain cock
- Double element air cleaner
- Pre-air cleaner

#### BOOM & ARM

- 6.50 m SHD boom
- 3.30 m SHD arm

#### CONTROL

- Working mode selector (H-mode, S-mode and ECO-mode)
- Power Boost

#### **SWING SYSTEM & TRAVEL SYSTEM**

- Swing rebound prevention system
- Straight propel system
- Two-speed travel with automatic shift down
- Track guides
- Sealed & lubricated track links
- Grease-type track adjusters
- 600mm HD triple grouser shoe
- Automatic swing brake
- Tow eyes
- Traveling alarm

### **HYDRAULIC**

- Boom regeneration system
- Arm interflow system
- Auto warm up system
- Aluminum hydraulic oil cooler
- Hydraulic fluid filter clog detector
- N&B piping

### **MIRRORS & LIGHTS**

- Two rear view mirrors
- Six front working lights (Two for boom, one for boom cylinder, one for right storage box and two for cab)

#### CAB & CONTROL

- Foot control (for N&B piping)
- Rops cab, all-weather sound suppressed type
- Two control levers, pilot-operated
- Horn, electric
- Cab light (interior)
- Luggage tray
- Large cup holder
- Detachable two-piece floor mat
- Headrest
- Handrails
- Intermittent windshield wiper with double-spray washer
- Tinted safety glass
- Pull-up type front window and removable lower front window
- Easy-to-read multi-display color monitor
- Automatic air conditioner
- Emergency escape hammerDouble slide seat
- 7 way adjustable suspension seat
- 24V outlet
- KOMEXS (IT Kit)

### **OPTIONAL EQUIPMENT**

- Refueling pump
- Front guard
- Front guard + Top guard
- 2.60 m short HD arm
- 1.4 m³ bucket
- 1.6 m³ bucket
- 1.8 m³ bucket
- Yellow rotating warning light
- Breaker piping (foot control)
- Rear view camera

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

Note: This catalogue may contain attachments and optional equipment that are not available in your area. And it may contain photographs of machines with specifications that differ from those of machines sold in your areas. Please consult your nearest KOBELCO distributor for those items you require. Due to our policy of continuous product improvements all designs and specifications are subject to change without advance notice.

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