

EX-7 series

HITACHI

Reliable Solutions

EX5600

Hitachi Construction Machinery Group

**LANDCROS**

Japanese Excellence—Reliable Solutions



## HYDRAULIC EXCAVATOR

**Model Code:** EX5600-7P (Fuel Consumption Optimization)  
**Engine Rated Power:** Cummins: 2 x 1 193 kW (1 622 PS, 1 600 HP)  
**Operating Weight:** Backhoe: 558 000 kg (1 230 000 lb.)  
**Bucket:** Backhoe: ISO 7451:2007: 37.5 m<sup>3</sup> (49.0 yd<sup>3</sup>)

THE  
UPGRADED  
EX5600-7P  
DELIVERS:

**12%**  
more  
productivity\*

**10%**  
greater bucket  
capacity\*\*

**7%**  
more  
engine power\*\*\*

\* Approximate improvement compared to the EX5600-7 with 34.0 m<sup>3</sup> bucket according to a pre-calculation by Hitachi Construction Machinery at the current development stage.

\*\* Compared to the 34.0 m<sup>3</sup> bucket of the EX5600-7.

\*\*\* Compared to the EX5600-7.



# Introducing the EX5600-7P

Born from engineering excellence – a balance of proven Hitachi Construction Machinery design and innovation – the EX5600-7 set a high standard for reliability, durability, and productivity. The new EX5600-7P builds on that foundation to deliver even more with smart design enhancements that increase the impressive productivity of the EX-7 series by a further 12%\*.

With reinforced structural components, optimized stress distribution in the main frame and greater bucket capacity,\* the EX5600-7P is engineered to boost productivity in the toughest mining conditions.

## KEY BENEFITS OF THE EX5600-7P\*\*

### BUILT FROM EXCELLENCE & UPGRADED FOR POWER

**Increased productivity** of around 12%\*

**More material moved per cycle** thanks to a 10% larger bucket capacity

**Shorter cycle times** under load with a 7% increase in engine power that boosts pump torque as well

**Less downtime & greater longevity** thanks to an optimized main frame design that distributes stress more evenly

**Quicker, more streamlined maintenance** with bolt-on access covers across bulkhead sections

**More stable, reliable operation** thanks to increased counterweight mass

MAIN SPECIFICATION COMPARISON		EX5600-7	EX5600-7P
Type		BH	BH
Engine (2 units)	Manufacturer	Cummins	Cummins
	Model	QSKTA50-CE	QSKTA50-CE
	Output	1 119 kW x 2 (1 520 PS, 1 500 HP)	1 193 kW x 2 (1 622 PS, 1 600 HP)
	Emission	FCO	FCO
Bucket	Capacity	34.0 m³ (44.5 yd³)	37.5 m³ (49.0 yd³)
Hydraulic system	Max. flow – Digging	4 700 L/min (375 L/min x 8) (425 L/min x 4)	4 700 L/min (375 L/min x 8) (425 L/min x 4)
	Max. flow – Swing drive	1 700 L/min (425 L/min x 4)	1 700 L/min (425 L/min x 4)
Pressure	Max. pressure	29.4 MPa (300 kgf/cm², 4 264 psi)	29.4 MPa (300 kgf/cm², 4 264 psi)

\* Approximate improvement compared to the EX5600-7 with 34.0 m³ bucket, according to a pre-calculation by Hitachi Construction Machinery at the current development stage.

\*\* Compared to EX5600-7



**The EX5600-7P retains the core strengths of the EX5600-7 – from the latest technologies, systems and safety features to prioritizing operator comfort – while offering a more powerful, durable solution for all mining conditions.**







## *Designed for* **PRODUCTIVITY**

Engineered from the ground up with advanced technologies to maximize productivity, the EX5600-7P is designed to perform in tough

mining conditions. This upgraded model delivers power and force, balancing reliability and performance to offer a productivity increase of 12%\* along with all the consistent, dependable digging power and performance the EX-7 series is known for.

With increased bucket capacity, engine power, and pump torque, the EX5600-7P delivers shorter cycle times under high loads.



### **DESIGNED FOR MAXIMUM DUMP TRUCK MATCHING**

Achieve efficient production by selecting the optimal bucket type, size and wear package for your operation. By matching the bucket size on your EX5600-7P to the capacity of its partner dump truck and the material being loaded, you can achieve efficient operation with faster loading and fewer passes.

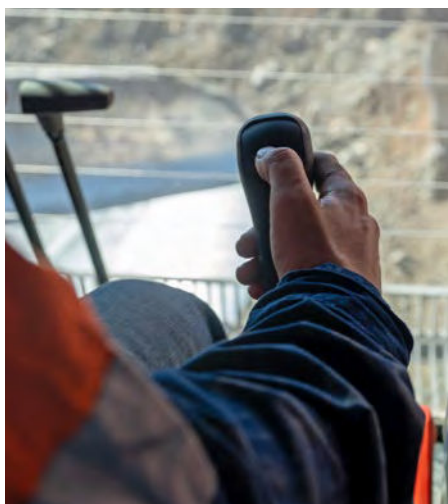
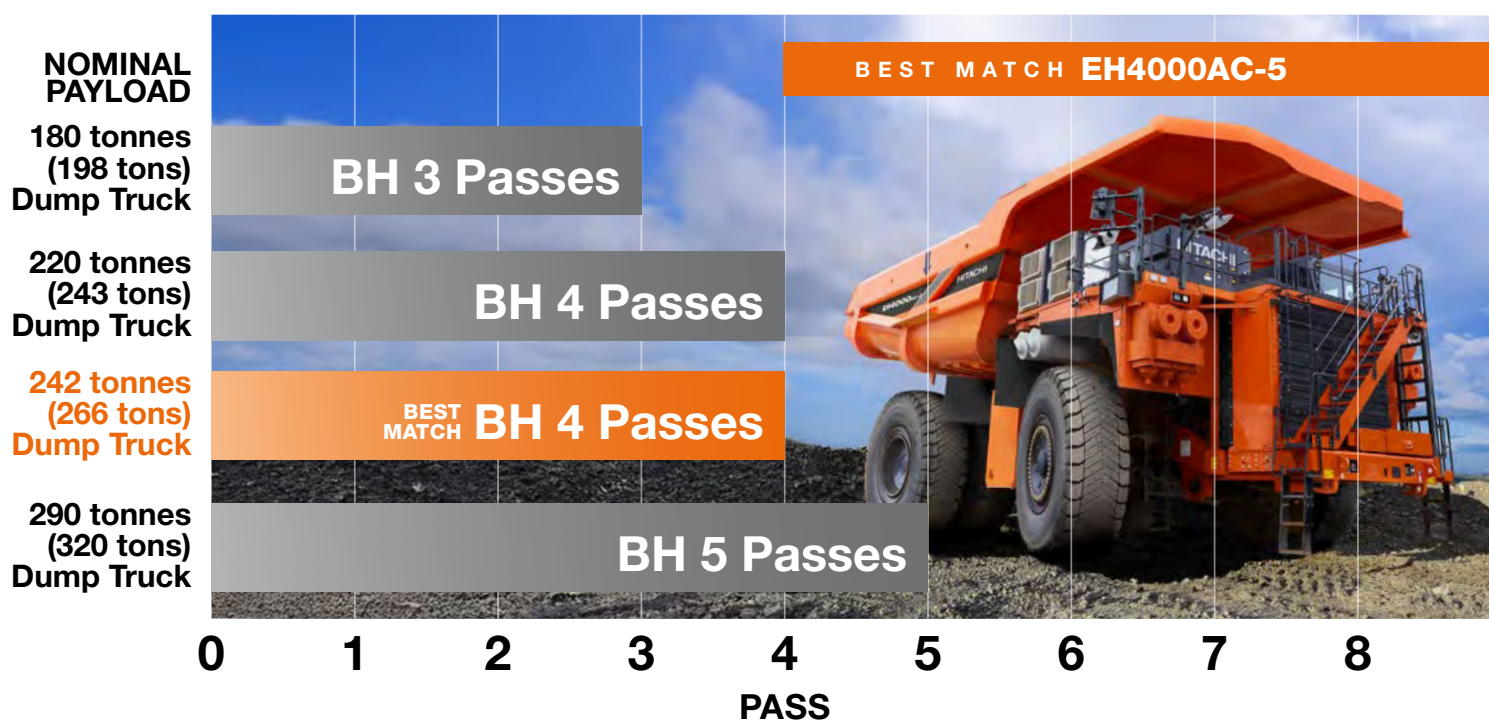
The EX5600-7P excavator with the new Hitachi Construction Machinery Genuine Bucket Lineup is optimally matched to nominal payload 180–290 tonnes (198–320 tons) class dump trucks. With a nominal payload of 242 tonnes (266 tons), the EH4000AC-5 is the best match.

\*Compared to the EX5600-7.





## PASS MATCH FOR EX5600-7P



### BACKHOE SPECIFICATIONS

Arm crowding force  
on ground

1 310 kN  
(134 000 kgf, 294 000 lbf.)

Bucket digging force

1 490 kN  
(152 000 kgf, 335 000 lbf.)





*Designed for*

## EXTENDING SERVICE LIFE

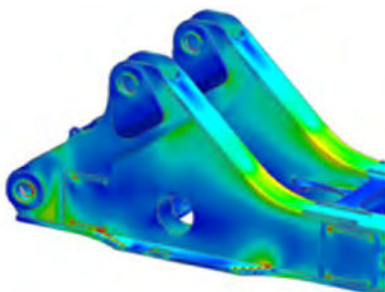
The EX5600-7P is engineered to operate longer in demanding mining environments. From reinforced structural components to smarter inspection access, this durable, reliable excavator features enhancements that reduce downtime and extend machine life.

The upgraded boom and arm feature thicker steel castings and redesigned boss structures for added durability, while the optimized main frame evenly disperses stress. Together, these improvements extend the service life of the front attachment and the main frame.



### ACCESS HOLES WITH BOLT-ON COVERS

The EX5600-7P boom features internal access holes with bolt-on covers on several sections of the bulkhead, providing quicker and easier inspection for internal cracks. By eliminating the need for gouging and welding, this new design significantly reduces machine downtime.



### REINFORCED MAIN FRAME

The main frame of the EX5600-7P has been upgraded to be more durable than the EX5600-7 by optimizing its design. Stress is more evenly dispersed across a sturdier shape and structure, significantly increasing longevity and reducing machine downtime.



### ENHANCED BOOM & ARM DURABILITY

Additional steel casting thickness on the center boss and foot of the new EX5600-7P boom provides greater durability, ensuring a longer service life. (In the image above the parts where the steel casting is applied are marked in blue.) The arm has been strengthened by changing the structure of the cylinder boss section.







## *Designed for* **OPERATOR COMFORT**

The EX5600-7P cabin is designed for a comfortable and seamless operating experience. The ergonomic layout, electronic joysticks, intelligent Multi-Display, air suspension seat

and advanced climate control system provide an operating environment conducive to less fatigue and enhanced operator productivity.



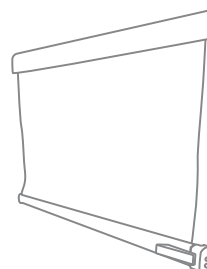
### **MULTI-FUNCTIONAL DISPLAY**

Fitted with an LED back-light to improve clarity and reduce glare, the multi-functional display provides key machine information and performance indicators through use of an integrated dial switch interface.



### **CLIMATE-CONTROLLED AIR CONDITIONING**

The climate-controlled air conditioning within the pressurized cab helps overcome environmental extremes. Optimized filtering of interior and exterior air combined with the new flexi-vent system provides a more personalized and balanced environment to meet the demands of the operator.



### **ROLL SCREENS**

Retractable front and side roll screens provide a more comfortable working environment, protecting the operator from sun glare. Reduced heat buildup in the cab improves the efficiency of the climate-controlled air conditioner resulting in a more enhanced operating environment.

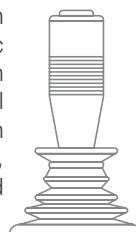
### **OPERATOR CABIN**

The use of tinted laminated windows to reduce heat, glare and harmful UV rays – and the sound-suppressed cab – further enhance the ergonomic environment, improving operator comfort. OPG top guard level II compliant with ISO 10262:1998 provides secure protection from falling objects, ensuring operator safety.

### **OPERATOR SEAT**



Specifically designed for use in the mining industry, the automatic weight-adjusting air suspension seat determines the optimal cushioning effect to match the operator's weight, enhancing comfort and minimizing vibration.



### **ELECTRONIC JOYSTICKS**

Connected to the machine's microprocessor, the integrated electronic joysticks enable precise and almost effortless operation, minimizing operator fatigue and improving operational performance.

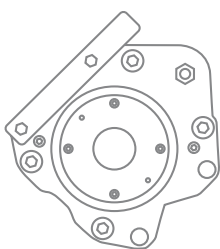




## Designed for **SUSTAINABILITY**

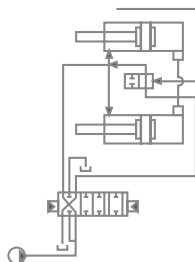
The Hitachi Construction Machinery EX-7 series utilizes the latest advancements in engine and energy optimization technologies to deliver a customized and sustainable machine, providing a significant reduction in fuel consumption without compromising productivity.

The EX5600-7P is equipped with a Cummins Fuel Consumption Optimization (FCO) engine – combined with new electronically-controlled hydraulic pumps, an optimized cooling package and enhanced hydraulic circuits – to achieve greater performance and efficiency.\*



### **MAIN PUMP ELECTRIC REGULATORS**

Individually controlled hydraulic pumps utilize an electric regulator on each main pump, optimizing engine power and lowering fuel consumption to deliver more efficient performance.\*



### **HYDRAULIC REGENERATION CIRCUIT**

The new flow regeneration valve fitted to the hydraulic system reduces hydraulic pump demand, reducing the power requirements from the hydraulic system and engine, lowering fuel consumption and improving pump life.



### **DIESEL DRIVE SPECIFICATION**

#### **EX5600-7P (FUEL CONSUMPTION OPTIMIZATION) SPECIFICATION**

The EX5600-7P is equipped with a Cummins FCO\*\* (Non-Certified) engine that optimizes fuel consumption.

### **HYDRAULIC OIL COOLER FAN**

The EX5600-7P features a redesigned hydraulic oil cooler with a variable speed fan that requires less power to cool hydraulic oil, resulting in a more reliable hydraulic system with reduced energy demand.\*

### **RADIATOR FAN CLUTCH**

The radiator fan clutch and variable speed fan are specifically tailored to the engine's cooling requirements, resulting in an optimal cooling system with reduced engine horsepower demand and the added benefit of lowering operation noise.

### **CUMMINS FCO\*\***

Cummins QSK50, 2 x 1 193 kW (1 622 PS, 1 600 HP)

\*Compared to the EX5600-6.  
\*\*Fuel Consumption Optimization.





## Designed for **LONGEVITY**

The Hitachi Construction Machinery Genuine Bucket Lineup is specifically designed to strike a balance between productivity, reliability and safety. The bucket design also considers the loads on the boom, arm and main frame structure.

### **ABRASION RESISTANT MATERIAL**

Informed by extensive experience, Hitachi Construction Machinery provides the most suitable bucket wear packages that attach securely to protect excavator buckets from highly abrasive materials. Wear packages reduce maintenance time and keep your operation productive.

### **BRADKEN ECLIPSE GET SYSTEM**

Each bucket type in the new Hitachi Construction Machinery Genuine Bucket Lineup is equipped with the Bradken high quality GET system to reduce maintenance time and improve production efficiency. The GET is designed to match a wide range of applications with abrasion-resistant material attachment position specifications for each bucket to match digging conditions ranging from easy through to abrasive, hard, and blocky.

### **KEY BENEFITS**

Fast and safer installation with hammer-free installation of the point and locking pin.

Increased machine production and longer life from improved point styles.

The EX5600-7P's improved bucket design delivers 10% greater bucket capacity.\* Engineered to boost productivity across Hitachi Construction Machinery's EX-7 series, it enhances your machine's performance in tough mining applications.

### **HITACHI CONSTRUCTION MACHINERY GENUINE BUCKET LINEUP**

Hitachi Construction Machinery Genuine Buckets with Bradken GET system are classified into 3 types according to the density and characteristics of the material they are designed for:

#### **1. GENERAL PURPOSE (GP)**

Suitable for material up to loose density 1 800 kg/m<sup>3</sup> (3 034 lb./yd<sup>3</sup>). This bucket is mainly designed for materials with small grain sizes found in topsoil removal and well-blasted overburden.

#### **2. LIGHT DUTY (LT)**

Suitable for material up to loose density 1 600 kg/m<sup>3</sup> (2 697 lb./yd<sup>3</sup>). This bucket is fitted with structures designed for digging and loading materials with a lighter material density.

#### **3. HEAVY DUTY (HD)**

Suitable for material up to loose density 1 800 kg/m<sup>3</sup> (3 034 lb./yd<sup>3</sup>). To prevent damage to the bucket structure even in tough mining conditions, Hitachi Construction Machinery offers the most suitable wear package for buckets used for these materials.

\*Compared to the 34.0 m<sup>3</sup> bucket of the EX5600-7.





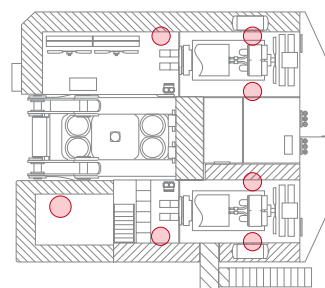
## Designed for **SAFETY**

The EX5600-7P is designed to feature improved pathways, handrails, and a layout that prioritizes operator safety and simplifies maintenance. Standard features – including an on-board inclinometer and dual isolator switch – further support a safe working environment.

At Hitachi Construction Machinery, our customers are at the heart of everything we do, which is why safety remains a key priority in the design of our EX-7 series excavators.

### ON-BOARD INCLINOMETER

The on-board inclinometer assists the operator to work within the safe limits of the machine for optimal performance, with two predetermined safety limits providing extra assurance and confidence. If the first safety limit is exceeded, the operator receives a visual alert prompting them to take corrective action. The alert escalates to an audible alarm if the second safety limit is breached.



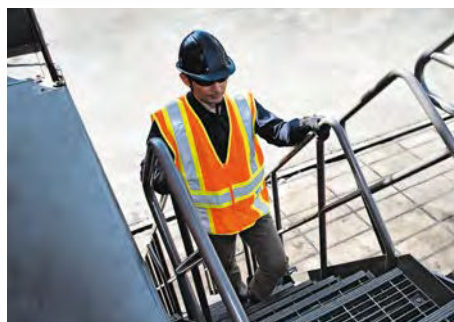
### ENGINE STOP SWITCHES

Engine stop switches have been placed in easily accessible areas: four in the engine room, one in the pump room, one in the oil cooler room, and one emergency stop switch in the cab.

### ACCESS AND WALKWAYS

Anti-slip walkways and specially designed handrails reduce the risk of tripping when maneuvering around the machine and provide ease of access for operators and maintenance personnel.

Wide, low-gradient, non-slip, hydraulic folding stairs allow for easy and safer access to the machine.



### EMERGENCY ESCAPE LADDER

To enhance operator safety during emergency situations, a ladder-type emergency escape system is now the standard, replacing the previous chute style to provide a more controlled and secure evacuation route.





## ▲erial ▲ngle (OPTIONAL)

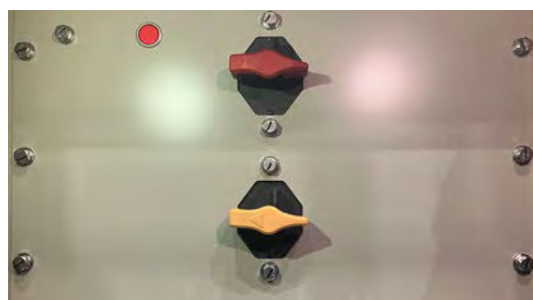
Aerial Angle provides the operator with a 360° live view around their excavator. Cameras strategically mounted on the machine generate a single aerial view of the EX5600-7P's surroundings. Multiple screen display options can be selected on the cab's 12-inch Aerial Angle monitor for ease of operation.



## DUAL ISOLATOR SWITCH

The conveniently located dual isolator switch provides the option to deactivate the engine and battery individually.

When inspections and maintenance are required, the battery isolator provides the benefit of isolating both the positive and negative terminals of the battery to provide a safe working environment. The engine isolator deactivates the engine starter motor, while allowing battery power to the electric system for troubleshooting to enhance safety and maintainability.



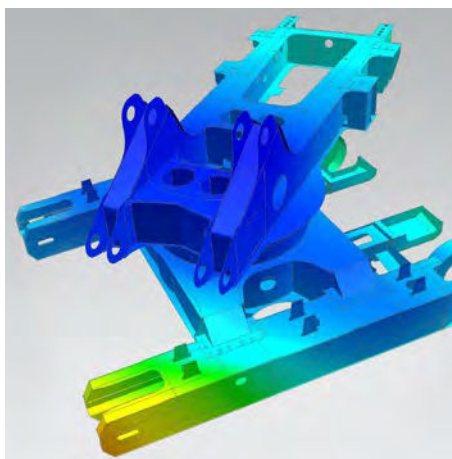




## *Designed for* **DURABILITY**

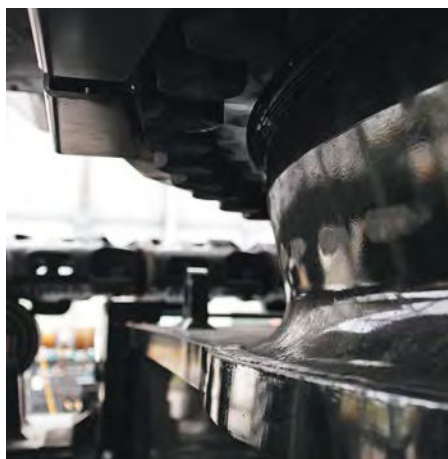
Designed, built and engineered for the mining industry, Hitachi Construction Machinery's EX-7 series excavators offer a productive, reliable solution built to last under tough conditions.

From the rigid box design with increased steel castings on the boom to the 3D computer-assisted FEA analysis, the EX5600-7P utilizes proven engineering philosophies to deliver an even more durable machine than the EX5600-7.



### **RIGID BOX DESIGN**

Computer-assisted analysis is used to determine the most effective design for frame longevity to withstand the demands of the mining operation.



### **CENTER TRACK FRAME**

Hitachi Construction Machinery's exclusive center track frame delivers optimal stress dispersion through the use of specifically designed castings to reduce welds in critical high-stress areas, ensuring a stronger frame with improved durability and reliability.



### **UPPER ROLLERS**

The EX5600-7P undercarriage has three double-sided pedestal-designed upper rollers on each side of the track frame to maintain track shoe clearance and provide protection from debris buildup, reducing shoe and roller wear for a reliable solution.





### **OIL FILLED ROLLERS & IDLERS**

The oil-filled idlers – and upper and lower rollers – eliminate the need for daily lubrication, helping reduce maintenance costs.



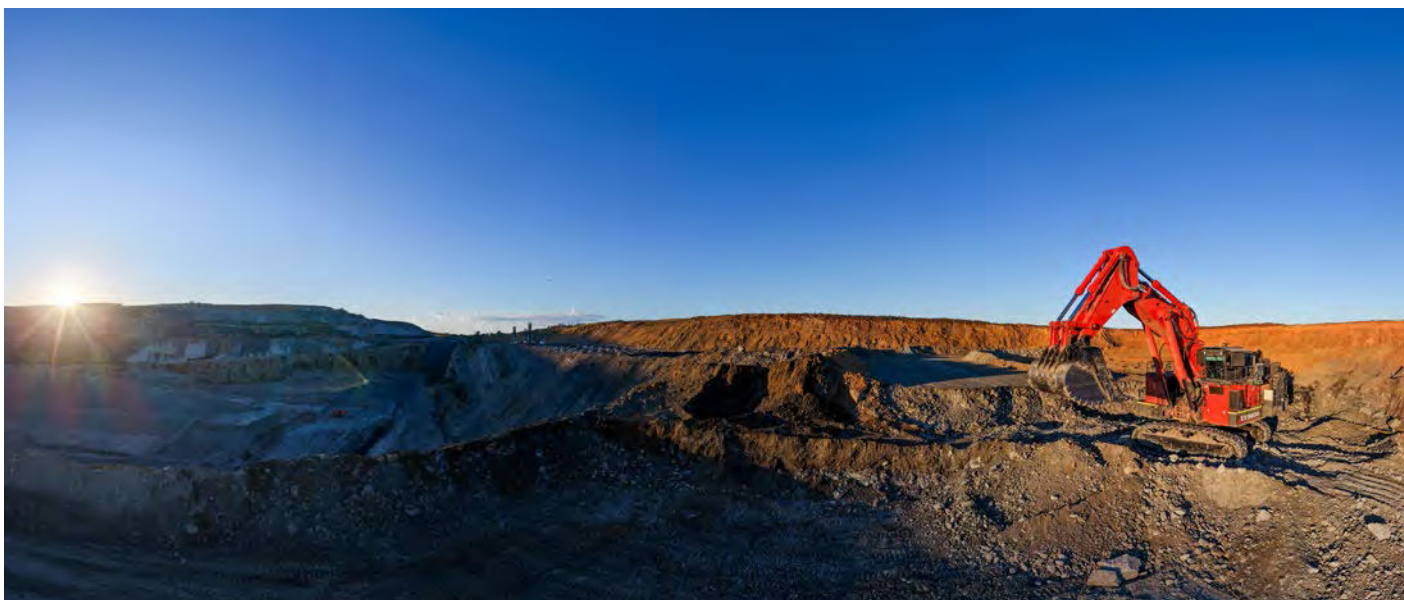
### **TRACK SHOES**

The proven Hitachi Construction Machinery track shoe design has been applied to mitigate premature wear of the drive-lugs. Each shoe is induction hardened utilizing Hitachi Construction Machinery's unique processes to deliver a superior and more durable solution.



### **CENTER FRAME UNDERGUARD (OPTIONAL)**

The newly designed heavy duty guard protects hoses and accumulators located in the track center frame from rocks and debris ingress, providing extra protection and reliability.







*Designed for*  
**RELIABILITY**

Evolving from years of operational experience and engineering excellence, the Hitachi Construction Machinery EX-7 series of excavators continues to drive innovation in the mining industry. Advanced

technology, enhanced durability, improved safety features and operational performance all combine to make the new EX5600-7P a more reliable mining solution.



**OPERATING LIGHTS**

Strategically placed long-life LED working lights provide impressive longevity and reliability in night operations.

**INCREASED COUNTERWEIGHT**

The EX5600-7P features a heavier counterweight to balance the machine's larger bucket capacity. This added counterweight helps maintain the stable operation characteristic of EX-7 series excavators while ensuring greater productivity due to the 10% increase in bucket capacity.\*

EX5600-7	EX5600-7P
Backhoe	Backhoe
Counterweight 48 900 kg (108 000 lb)	Counterweight <b>55 400 kg</b> <b>(122 000 lb)</b>

\*Compared to the EX5600-7.

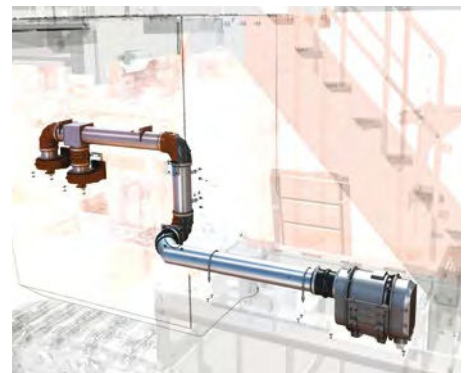




### **ELECTRONIC CYLINDER STROKE CONTROL**

The new on-board electronic controller receives signals from angle sensors fitted to the boom and arm to control the pump flow rate and cylinder speed, reducing the shock at the stroke end of the cylinder cycle.

This new feature improves operator comfort and reduces the impact on the cylinders and structures, increasing reliability and productivity.



### **CAB RISER PRESSURIZER**

A pressurizer system has been introduced to the cab riser to reduce dust infiltration, maximizing the service life of the electronic components and devices located within.



### **SOLID CONDUIT WIRE HARNESES**

The introduction of solid conduit harnesses and junction boxes prevents dust and moisture ingress, improving longevity. Electrical harnesses between junction boxes can be replaced individually, ultimately reducing maintenance time and cost.



### **FRONT ATTACHMENT HOSES**

Hitachi Construction Machinery's hose design is based on a cyclic fatigue rate to maximize longevity and improve safety. Front attachment hoses have also been rearranged from the traditional arch style to an underslung configuration, removing the need for clamping, reducing chafing and increasing reliability.



*Designed for*

# MACHINE CONDITION MONITORING

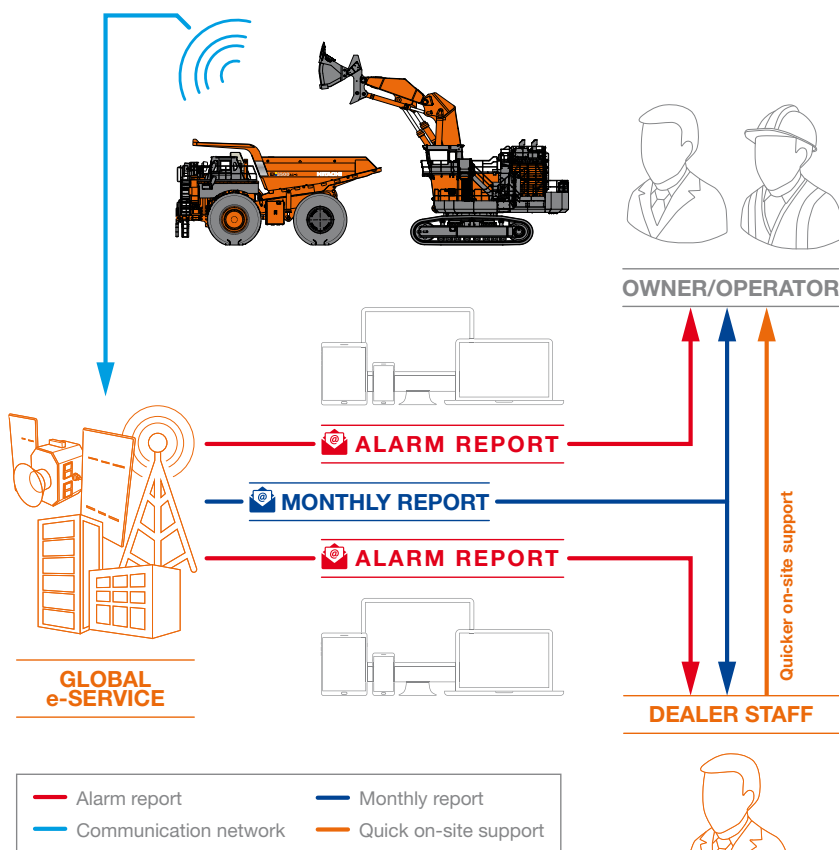


ConSite Mine allows mine sites to remotely monitor compatible excavators (including the EX5600-7P) and dump trucks 24/7 using IoT and AI analysis of the equipment's operational data.

The technology sends two kinds of status reports to customers and their dealers via email or the ConSite Mine Shot smartphone app:

- Monthly Reports – updates on the machine's operational data each month, and
- Alarm Reports – immediate notifications when abnormalities are detected that may require urgent attention.

ConSite Mine provides greater value to customers by improving safety and productivity, reducing lifecycle costs and minimizing the downtime of machinery. Rather than using the rough measure of operational time to predict when to perform maintenance, ConSite Mine allows mine sites to check analysis results in the reports it sends to then perform maintenance, inspection, and parts replacement at the appropriate time according to the status of the mining machinery itself.



## Warning

The data report service is available on machines equipped with the communication terminal. Contact your Hitachi Construction Machinery authorized dealer for the details of Data Report Service and machine models that are supported. The communication ability may depend on the situation of the worksite. Please confirm if your machine is currently communicating before beginning this service. Under no circumstances shall Hitachi Construction Machinery and/or Subsidiaries and its Dealer be held responsible or liable for any communication line failure, interruption, delay in operation or transmission or any other cause of action.

# DATA REPORT SERVICE MONITOR YOUR MACHINES CLOSELY WITH CONSITE MINE

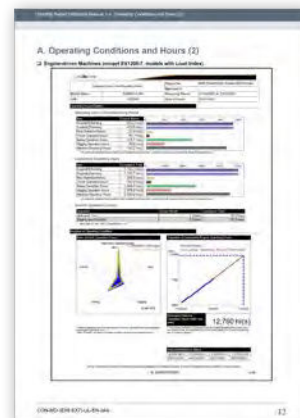
## FUEL CONSUMPTION REPORT



## LOAD INDEX REPORT



## OPERATION RATE REPORT



## MONTHLY REPORT



## ALARM REPORT



A detailed report of the operational status for each machine will be sent to the registered email addresses or via the ConSite Pocket app every month.

### BENEFITS:

1. Monthly operational information helps you to analyze the operational efficiency of your machine and improve overall machine-operation status.
2. Each machine's operational information can be shared with Hitachi Construction Machinery authorized dealers, enabling stable operation for your machine.

### KEY ITEMS INCLUDED IN THE REPORT:

- Fuel consumption
- Load Index
- Hydraulic oil temperature
- Engine coolant temperature
- Eco operation
- Operation rate
- Non operation time

If an issue is detected and requires urgent attention to prevent downtime, an emergency alarm report will be sent to the registered email addresses or via the ConSite Pocket app.

### BENEFITS:

1. Information about an alarm requiring urgent attention can be shared by the operator and owner so that the necessary measures can be taken.
2. Alarm information can be shared with your dealer as well to enable smoother coordination and reduce your machine's downtime.

### KEY ITEMS INCLUDED IN THE REPORT:

- Model name / serial number
- Hour meter
- Alarm code / name
- Recommended action
- Position

Reports can be viewed on laptops, desktop computers, smartphones and tablets.



**CONSITE  
POCKET  
APP**

The ConSite Pocket app works with ConSite Mine and our Global e-Service machine condition management system.



**SCAN  
HERE**  
TO WATCH  
THE VIDEO

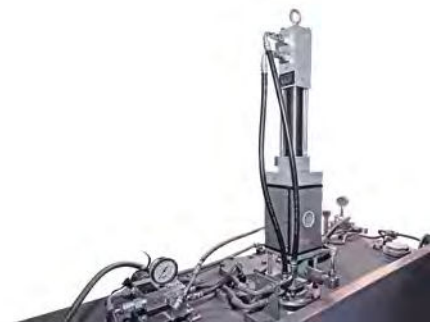




## Designed for **EASE OF MAINTENANCE**

Hitachi Construction Machinery's unique modular design, spacious passageways and work platforms provide clear access for daily maintenance requirements and major component inspections, resulting in safer and simplified maintenance.

With a range of innovative new features, the EX5600-7P takes our renowned serviceability even further – exceeding the high standards our customers have come to expect from our machinery.



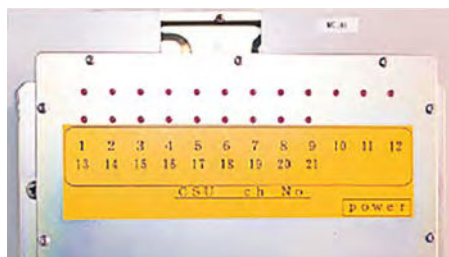
### **AUTO-LUBRICATING SYSTEM**

The advanced, redesigned auto-lubrication system comes with a 673 L (177.8 gal.) large-capacity grease tank, new grease pump, in-line grease filter, breather with filter, grease level indicator in the cab and a provision for fitment of a second grease pump in the lubrication tank, providing a more reliable system for more uptime.



### **CENTRALIZED LUBRICATION SYSTEM**

The centralized fast-filling system provides easy access from the ground to refill and evacuate lubricants, water, grease and fuel. The fast-filling system can be fitted with an optional quick coupler.



### **CONTAMINATION SENSORS**

Contamination sensors are located on all main hydraulic pumps to detect any contaminants that may cause damage to the hydraulic system. The sensors alert the operator of potential contaminants and also record the fault code in the Data Logging Unit (DLU) with the capability to remotely advise maintenance personnel.

### **GREASE-LESS CENTER JOINT**

The redesigned center joint is self-lubricating, utilizing the machine's hydraulic oil, reducing the need for daily maintenance.

### **MAINTENANCE ACCESS**

Walkways, platforms and wide open service areas provide ease of access for daily maintenance tasks – and to engine, hydraulic and electrical components – for quick and easy inspections.

### **LUBRICATION PIPING COVER**

A swing circle cover has been added to the outside of the swing bearing, protecting the lubrication piping from debris damage.



# SPECIFICATIONS

## ENGINE

Model ..... Cummins QSKTA50-CE (FCO)  
 Rated power @1 800 min<sup>-1</sup> (rpm)  
 ISO 14396:2002, gross... 2 x 1 193 kW (1 622 PS, 1 600 HP)  
 Piston displacement ..... 2 x 50.0 L (3 051 cu. in.)

## HYDRAULIC SYSTEM

Main pumps ..... 8 variable-displacement, axial piston pumps  
 for front attachment, travel and swing  
 Pressure setting ..... 29.4 MPa (300 kgf/cm<sup>2</sup>, 4 264 psi)  
 Max. oil flow ..... 8 x 375 L/min (99.1 gal./min)  
 4 x 425 L/min (112.3 gal./min)

## UPPER STRUCTURE

Swing speed ..... 3.3 min<sup>-1</sup> (rpm)  
 Fuel tank capacity ..... 11 300 L (2 486 gal.)

## UNDERCARRIAGE

Travel speeds ..... High : 0 to 2.3 km/h (0 to 1.4 mph)  
 Low : 0 to 1.6 km/h (0 to 1.0 mph)  
 Maximum traction force ... 2 230 kN (227 000 kgf, 501 000 lbf)

## WEIGHTS AND GROUND PRESSURE

### Backhoe

Equipped with 37.5 m<sup>3</sup> (49.1 yd<sup>3</sup>) (ISO 7451:2007) bucket

Model	Shoe Width	Weight	Ground Pressure
EX5600-7P	1 400 mm (55.0 in.)	558 000 kg (1 230 000 lb.)	250 kPa (2.55 kgf/cm <sup>2</sup> , 36.3 psi)

## ENVIRONMENT

Auto control air conditioner contains fluorinated greenhouse gases.  
 Refrigerant type: HFC-134a  
 GWP: 1430  
 Amount: 2.85 kg (6.3 lb.)  
 CO<sub>2</sub>e: 4.08 tonnes (4.50 tons)

## ATTACHMENTS

### Backhoe

#### Bucket Capacity (ISO 7451:2007)

37.5 m<sup>3</sup> (49.0 yd<sup>3</sup>) : Material density 1 800 kg/m<sup>3</sup> (3 030 lb./yd<sup>3</sup>)

## HITACHI CONSTRUCTION MACHINERY GENUINE BUCKET LINEUP

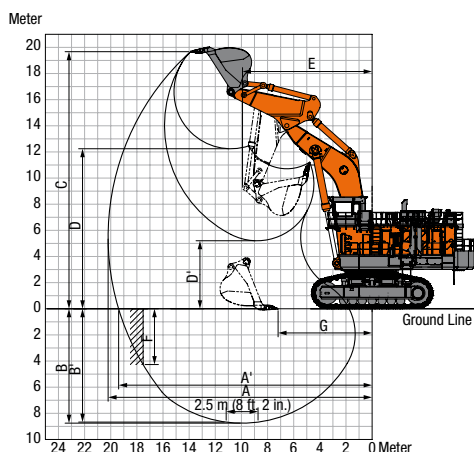
### Backhoe Buckets

Type	Capacity (ISO 7451:2007)	Material Density	Cutting Width	Weight	GET System
General Purpose	37.5 m <sup>3</sup> (49.0 yd <sup>3</sup> )	1 800 kg/m <sup>3</sup> (3 034 lb./yd <sup>3</sup> )	4 860 mm (15 ft. 11 in.)	39 000 kg (86 000 lb.)	Bradken Eclipse
Heavy Duty	37.5 m <sup>3</sup> (49.0 yd <sup>3</sup> )	1 800 kg/m <sup>3</sup> (3 034 lb./yd <sup>3</sup> )	4 860 mm (15 ft. 11 in.)	40 000 kg (88 200 lb.)	Bradken Eclipse
Light Duty	41.0 m <sup>3</sup> (53.6 yd <sup>3</sup> )	1 600 kg/m <sup>3</sup> (2 697 lb./yd <sup>3</sup> )	4 860 mm (15 ft. 11 in.)	43 200 kg (95 200 lb.)	Bradken Eclipse

Please contact your Hitachi Construction Machinery dealer for information about other bucket types, their capacity and/or material densities.

## WORKING RANGES

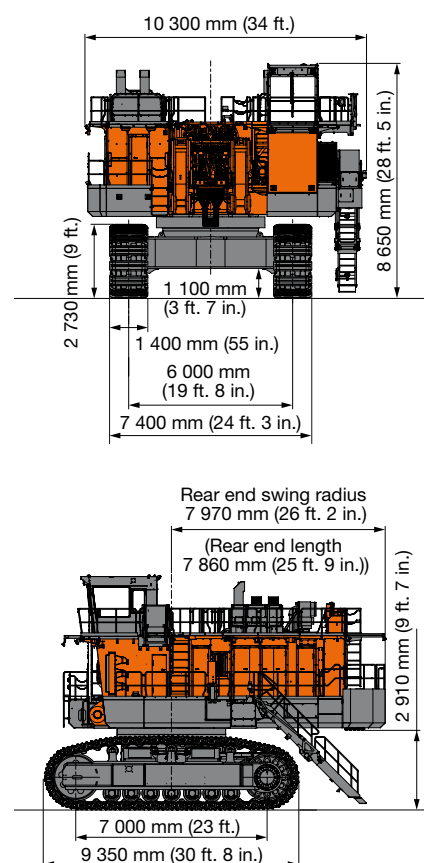
### Backhoe



Boom Length	10.1 m (33 ft. 2 in.)
Arm Length	5.0 m (16 ft. 5 in.)
Bucket Capacity (ISO 7451:2007)	37.5 m <sup>3</sup> (49.0 yd <sup>3</sup> )
A Maximum Digging Reach	20 200 mm (66 ft. 3 in.)
A' Maximum Digging Reach (on ground)	19 300 mm (63 ft. 4 in.)
B Maximum Digging Depth	8 700 mm (28 ft. 7 in.)
B' Maximum Digging Depth (2.5 m (8 ft. 2 in.) level)	8 610 mm (28 ft. 3 in.)
C Maximum Cutting Height	19 700 mm (64 ft. 8 in.)
D Maximum Dumping Height	12 300 mm (40 ft. 4 in.)
D' Minimum Dumping Height	5 260 mm (17 ft. 3 in.)
E Minimum Swing Radius	9 920 mm (32 ft. 7 in.)
F Maximum Vertical Wall	3 570 mm (11 ft. 9 in.)
G Minimum Level Crowding Distance	7 410 mm (24 ft. 4 in.)
Bucket Digging Force* (ISO 6015:2006)	1 490 kN (152 000 kgf, 335 000 lbf.)
Arm Crowd Force* (ISO 6015:2006)	1 310 kN (134 000 kgf, 294 000 lbf.)

\*The value is a calculated value.

## DIMENSIONS







Before using a machine with a satellite communication system or telecommunication system, please make sure that the satellite communication system or telecommunication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.