

EX-7 series

HITACHI

Reliable Solutions

EX3600

Hitachi Construction Machinery Group

LANDCROS

Japanese Excellence—Reliable Solutions



HYDRAULIC EXCAVATOR

Model: EX3600-7 FC0* Specification
Engine Rated Power: Cummins: 1 450 kW (1 971 PS, 1 944 HP)
MTU: 1 450 kW (1 971 PS, 1 944 HP)
Operating Weight: Cummins Loading Shovel: 368 000 kg (811 000 lb.)
Cummins Backhoe: 369 000 kg (814 000 lb.)
MTU Loading Shovel: 367 000 kg (809 000 lb.)
MTU Backhoe: 368 000 kg (811 000 lb.)
Bucket: Loading Shovel: ISO 7546:1983
: 22.0 – 24.0 m³ (28.8 – 31.4 cu. yd.)
Backhoe: ISO 7451:2007
: 22.0 – 24.0 m³ (28.8 – 31.4 cu. yd.)

Model: EX3600-7 Tier 4 Final / EU Stage V** Specification
Engine Rated Power: Cummins: 1 450 kW (1 971 PS, 1 944 HP)
MTU: 1 500 kW (2 040 PS, 2 010 HP)
Operating Weight: Cummins Loading Shovel: 372 000 kg (820 000 lb.)
Cummins Backhoe: 373 000 kg (824 000 lb.)
MTU Loading Shovel: 368 000 kg (811 000 lb.)
MTU Backhoe: 369 000 kg (814 000 lb.)
Bucket: Loading Shovel: ISO 7546:1983
: 22.0 – 24.0 m³ (28.8 – 31.4 cu. yd.)
Backhoe: ISO 7451:2007
: 22.0 – 24.0 m³ (28.8 – 31.4 cu. yd.)

Model: EX3600-7 Electric Drive Specification
Power Output: 1 200 kW (1 632 PS, 1 609 HP)
Operating Weight: Loading Shovel: 368 000 kg (811 000 lb.)
Backhoe: 369 000 kg (814 000 lb.)
Bucket: Loading Shovel: ISO 7546:1983
: 22.0 – 24.0 m³ (28.8 – 31.4 cu. yd.)
Backhoe: ISO 7451:2007
: 22.0 – 24.0 m³ (28.8 – 31.4 cu. yd.)

* FC0: Fuel Consumption Optimization

** Consult your Hitachi Construction Machinery dealer for MTU engine with EU Stage V specification

A large Hitachi EX3600-7 excavator is shown in a quarry setting. The machine is orange and grey, with 'HITACHI' and 'EX3600' clearly visible on its side. It is equipped with a large bucket and is positioned on a dirt surface, with a steep, rocky quarry face in the background. The excavator's arm is extended towards the left, and its tracks are visible at the bottom. The sky is clear and blue.

introducing the **NEW EX3600-7**

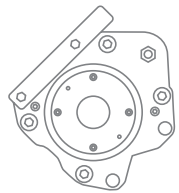
Hitachi Construction Machinery's EX-7 series excavators set a new standard for the mining industry with their renowned design and innovative features. The EX3600-7 has emerged from a long line of predecessors to offer our customers continued engineering excellence and around-the-clock productivity.

Mining operations with the EX3600-7 benefit from greater efficiency (compared to EX3600-6), assured durability, and a seamless operator experience.

designed for SUSTAINABILITY

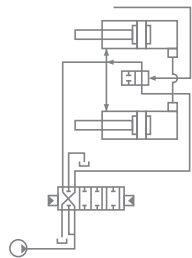
Hitachi Construction Machinery's energy optimization technologies reduce consumption costs, energy usage and emissions while achieving greater productivity.*

The EX3600-7 features a selection of engine configurations to meet regulatory requirements, electronically controlled hydraulic pumps, an optimized cooling package, and enhanced hydraulic circuits for a sustainable solution that doesn't compromise on performance.



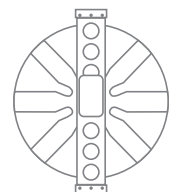
MAIN PUMP ELECTRIC REGULATORS

Each individually controlled hydraulic pump has its own electric regulator, enhancing engine power, lowering fuel consumption, and increasing productivity to lower the total cost of operation.



HYDRAULIC REGENERATION CIRCUIT

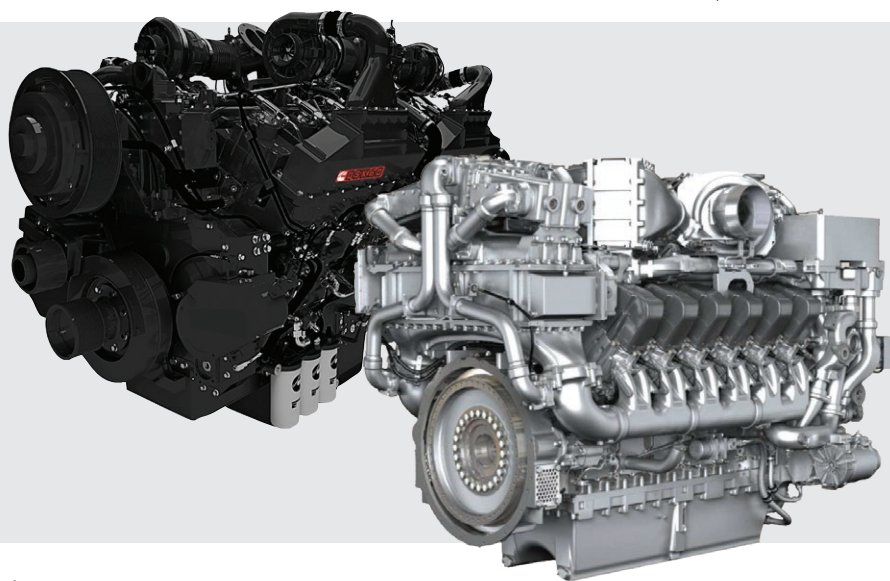
The flow regeneration valve fitted to the hydraulic system reduces pump demand, ultimately reducing power requirements from the hydraulic system and engine. The result is lower fuel consumption and improved pump life.



HYDRAULIC OIL COOLER

A larger hydraulic oil cooler with variable speed fan reduces energy demand and creates a more reliable hydraulic system. The oil cooler is kept separate from the radiator to effectively reduce hydraulic oil temperatures, increase hydraulic service life, and improve maintainability.

*compared to EX3600-6



DIESEL DRIVE

EX3600-7 FCO SPECIFICATION

The model equipped with Cummins or MTU FCO** (Non-Certified) engine that optimizes fuel consumption.

CUMMINS

Cummins QSK60, 1 450 kW (1 971 PS, 1 944 HP)

MTU

MTU 12V4000 C33, 1 450 kW (1 971 PS, 1 944 HP)

**FCO: Fuel Consumption Optimization

EX3600-7 TIER 4 FINAL / EU STAGE V SPECIFICATION

The model equipped with US EPA Tier 4 Final / EU Stage V emission regulations-compliant Cummins or MTU engine.†

CUMMINS

Cummins QSK60 with SCR (Selective Catalytic Reduction) after-treatment system, 1 450 kW (1 971 PS, 1 944 HP)

MTU

MTU 12V4000 C35, 1 500 kW (2 040 PS, 2 010 HP)

†Consult your Hitachi Construction Machinery dealer for MTU Engine with EU Stage V specification

ELECTRIC DRIVE

EX3600-7 ELECTRIC DRIVE SPECIFICATION

The electric excavator utilizes the Hitachi AC electric motor without the diesel exhaust emissions.

HITACHI

Hitachi Electric Motor TFOA-KK, 1200 kW (1 632 PS, 1 609 HP)
· 50 Hz, 6 000 V, 6 600 V‡
· 60 Hz, 6 600 V, 6 900 V‡

‡Please contact Hitachi Construction Machinery for other specification request



designed for **PRODUCTIVITY**

Equipped with more than 100 years of technological innovation from Hitachi, Ltd. group companies, our EX-7 excavators are engineered to achieve more for your mine site.

The EX3600-7 delivers exceptional around-the-clock performance while optimizing consumption, taking productivity to a new level.

DESIGNED FOR MAXIMUM DUMP TRUCK MATCHING

EX3600-7 22.0 m³ (28.8 cu. yd.)

Achieve efficient production by selecting the optimal bucket type, size and wear package for your operation.

By matching the bucket size on your EX3600-7 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 EX3600-7 excavator with the new Hitachi Construction Machinery Genuine Bucket Lineup is optimally matched to 140–220 tonnes (154–243 tons) class dump trucks.





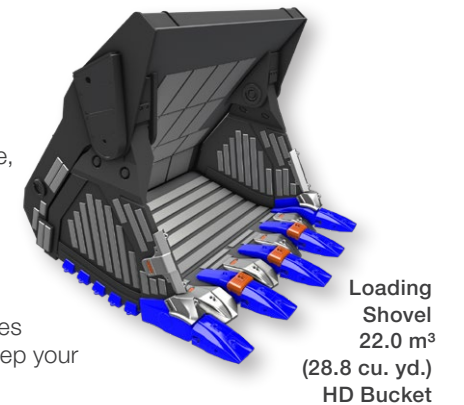
designed for **LONGEVITY**

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.

With more bucket choice, Hitachi Construction Machinery EX-7 mining excavators can perform better even in tough mining applications.

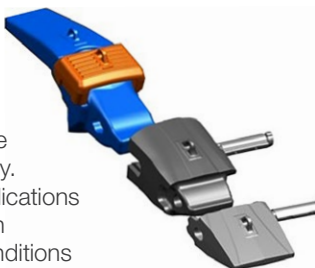
ABRASION RESISTANT MATERIAL

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

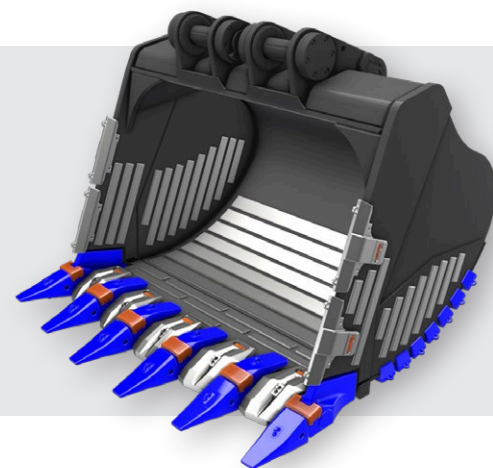
Fast and safer installation with hammer-free installation of the point and locking pin.

Increased machine production and longer life from improved point styles.

Reduced total cost of ownership due to less maintenance and change-outs required.

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/m³ (3 034 lb./cu. yd.). 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/m³ (2 697 lb./cu. yd.). 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/m³ (3 034 lb./cu. yd.). 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.

designed for SAFETY

Safety is Hitachi Construction Machinery's ultimate priority, realized in the EX-7 series of excavators with a range of intelligent safety-focused designs.

The EX3600-7 includes spacious walkways, improved handrails, and important safety features like an on-board inclinometer and dual isolator switch as standard.



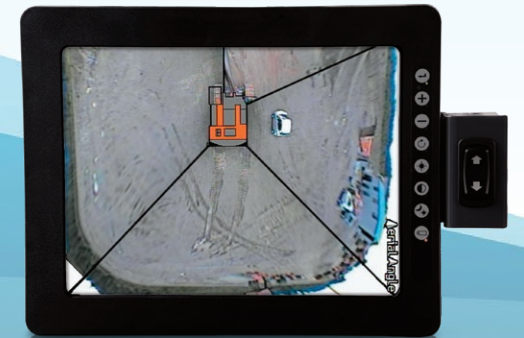
ACCESS AND WALKWAYS

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.

Aerial Angle (OPTIONAL)

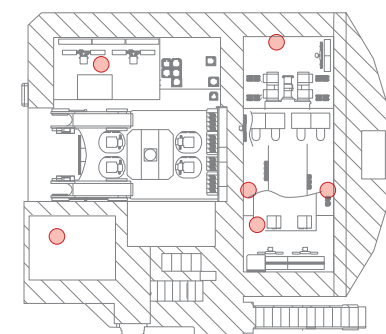
Aerial Angle provides the operator with a 360° live view around their excavator. Cameras strategically mounted on the machine generate a single aerial view of the EX3600-7 surroundings. Multiple screen display options can be selected on the cab's 12-inch Aerial Angle monitor for ease of operation.



DUAL ISOLATOR SWITCH

The conveniently located dual isolator switch offers 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 for a safer 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.



ENGINE STOP SWITCHES

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

ON-BOARD INCLINOMETER

The on-board inclinometer assists the operator to work within the safety limits of the machine, with two predetermined safety limits providing extra assurance. 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.



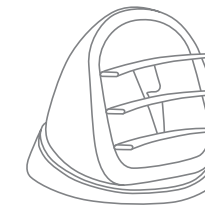
EMERGENCY ESCAPE CHUTE

An escape chute has been added to the side of the cab for use in an emergency. The chute allows evacuees to descend vertically down from the machine, providing a safer and fast route of escape when all other means of exit are blocked.



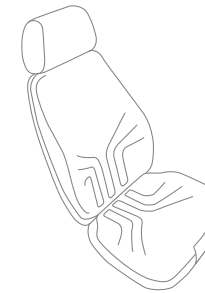
designed for **OPERATOR COMFORT**

Hitachi Construction Machinery's EX3600-7 improves productivity by giving operators complete comfort and control in the cab. Features include ergonomic layout, electronic joysticks, intelligent Multi-Functional Display, advanced air suspension seating, and better climate control facilitating smooth and comfortable operation.



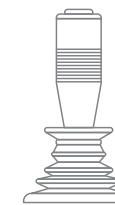
CLIMATE CONTROLLED AIR CONDITIONING

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



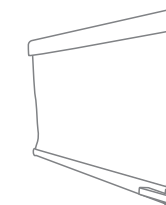
OPERATOR SEAT

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



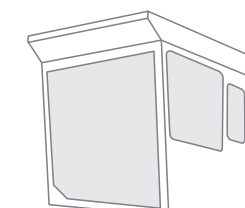
ELECTRONIC JOYSTICKS

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



ROLL SCREENS

Retractable front and side roll screens protect the operator from UV glare and reduce heat buildup in the cab, improving the efficiency of the climate controlled air conditioner for a superior operating environment.



OPERATOR CABIN

The use of laminated tinted windows reduce heat and glare in the cab, while sound-suppression further enhances ergonomics and comfort for the operator.

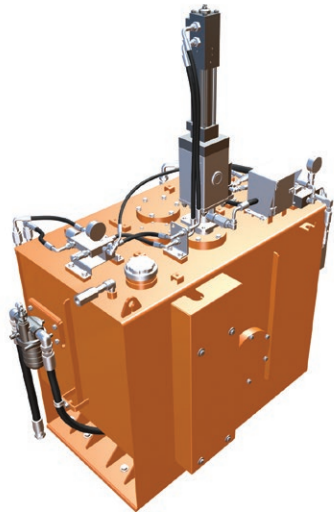
OPG top guard level II compliant with ISO 10262:1998 provides secure protection from falling objects, improving operator safety.

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.

designed for EASE OF MAINTENANCE

Hitachi Construction Machinery's EX-7 series of excavators are now easier and safer to maintain than ever before with an intuitive design. The EX3600-7 features a spacious modular layout with open passageways and work platforms to simplify daily upkeep and major component inspections.



AUTO-LUBRICATION SYSTEM

A new auto-lubrication system comes with 380 L (132 gal.) large capacity grease tank, new grease pump, in-line grease filter with breather, grease level indicator in cab and provision for fitment of a second grease pump in the lubrication tank. These features provide a more reliable system with less downtime.



GREASE-LESS CENTER JOINT

The new center joint employs the machine's hydraulic oil to self-lubricate, reducing the need for daily maintenance.



LUBRICATION PIPING COVER

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



CENTRALIZED LUBRICATION SYSTEM

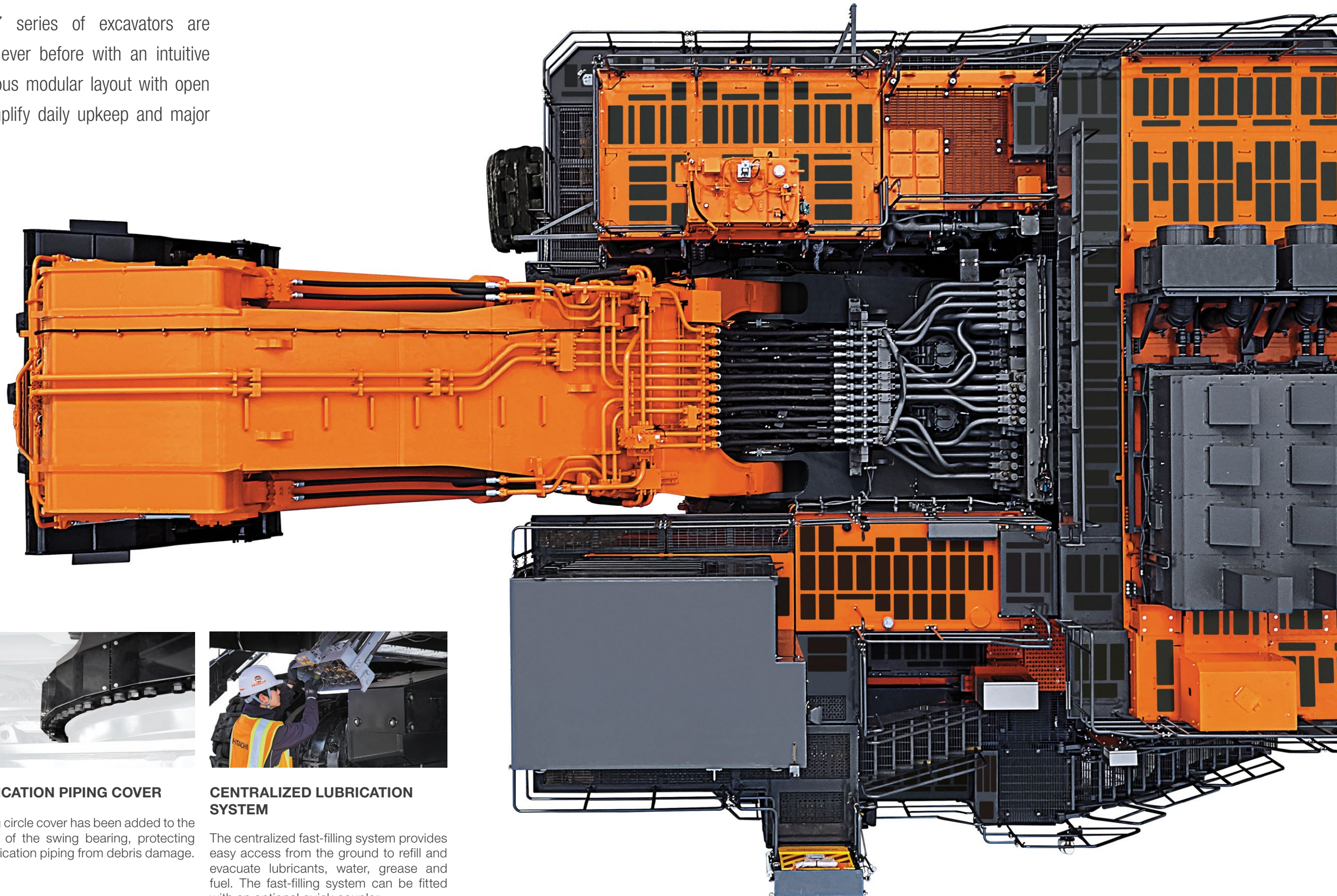
The centralized fast-filling system provides easy access from the ground to refill and evacuate lubricants, water, grease and fuel. The fast-filling system can be fitted with an optional quick coupler.

MAINTENANCE ACCESS

Wide center walkways and open service areas offer ease of access for daily maintenance tasks and make engine, hydraulic, and electrical component inspections easier.

CONTAMINATION SENSORS

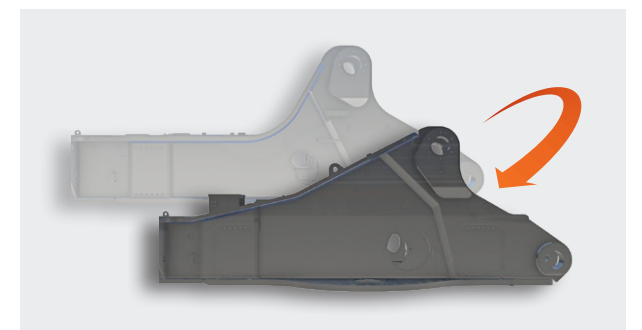
Contamination sensors are located on main hydraulic pumps, travel motors and swing motors to detect any contaminants that may cause damage to the hydraulic system. Sensors alert the operator of potential contaminants and record the fault code in the Data Logging Unit (DLU) with the capability to remotely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





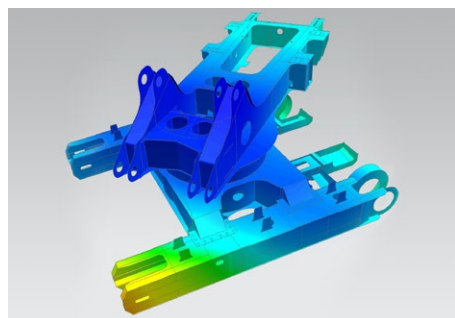
designed for **DURABILITY**

Hitachi Construction Machinery's EX-7 excavators have been built to withstand harsh mining conditions while delivering outstanding productivity. Advanced computer modelling, specialized forgings, and pedestal design track shoes are just some of the features that make the EX3600-7 our most popular mining-sized excavator.



STRONG MAINFRAME

The EX3600-7 features a stronger, more durable mainframe than previous models. Stress is now more evenly dispersed across the improved frame shape, increasing machine durability and reducing downtime.



RIGID BOX DESIGN

Computer-assisted analysis has been used to determine the most effective design for frame longevity, ensuring the EX3600-7 withstands the demands of any mining operation.



CENTER TRACK FRAME

Hitachi Construction Machinery's exclusive center track frame delivers optimal stress dispersion through the use of specially designed forged steel parts to reduce the chance of failure in critical high-stress areas. This guarantees a stronger frame with improved durability.



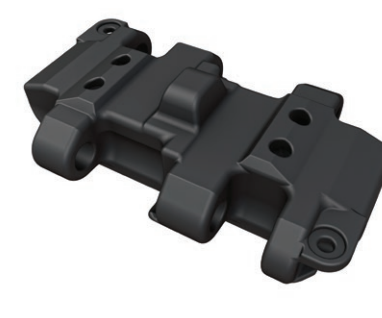
UPPER ROLLERS

The EX3600-7 undercarriage has three double-sided, pedestal-designed upper rollers on each side of the track frame. These rollers maintain track shoe clearance and provide protection from debris buildup, reducing shoe and roller wear for a more reliable undercarriage system.



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

Hitachi Construction Machinery's classic track shoe design has been applied to mitigate premature wear of the drive-lugs. Each shoe is induction hardened using Hitachi Construction Machinery's proven methods to deliver an improved and more durable solution.



CENTER FRAME UNDERGUARD (OPTIONAL)

A 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.



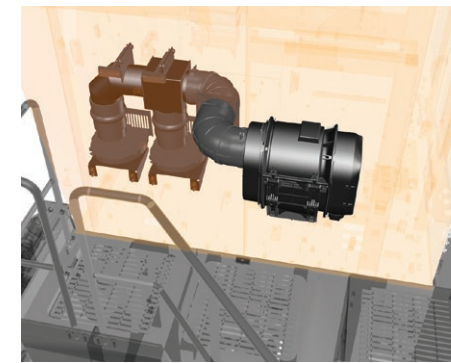
designed for **RELIABILITY**

Hitachi Construction Machinery's EX-7 series is loaded with intelligent features which minimize downtime and improve excavator longevity. The EX3600-7 is meticulously designed to provide a reliable solution every hour of the day.



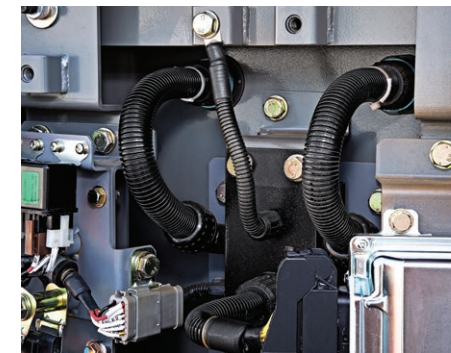
FRONT ATTACHMENT HOSES

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



CAB RISER PRESSURIZER

The cab riser now features a pressurizer system to reduce dust infiltration, extending the service life of the electronic components and devices within.



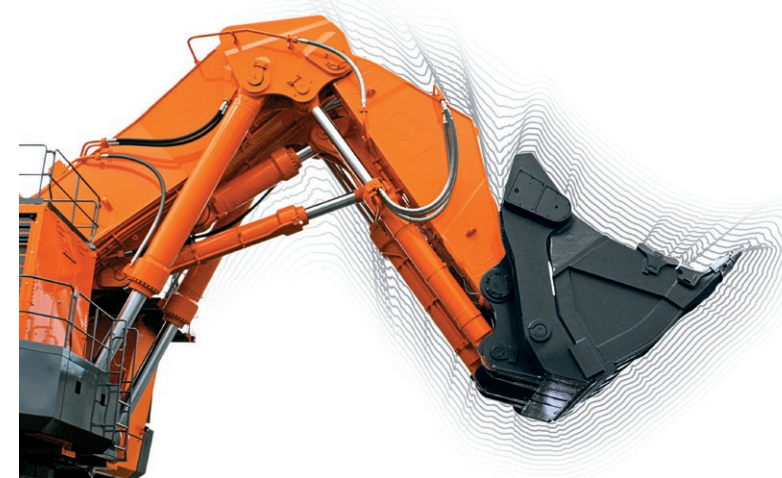
SOLID CONDUIT WIRE HARNESSES

Newly introduced solid conduit harnesses and junction boxes prevent dust and moisture ingress, improving longevity. Electrical harnesses between junction boxes can be replaced individually, reducing maintenance time and cost.



OPERATING LIGHTS

Strategically placed long-life LED working lights provide assured reliability for night operations.



ELECTRONIC CYLINDER STROKE CONTROL

The new on-board electronic controller receives signals from angle sensors fitted to the main frame, boom and arm to control the pump flow rate and cylinder speed. Shock at stroke end of the cylinder cycle is reduced, improving operator comfort and lowering impact on cylinders and structures for more reliable operation.

designed for MACHINE CONDITION MONITORING

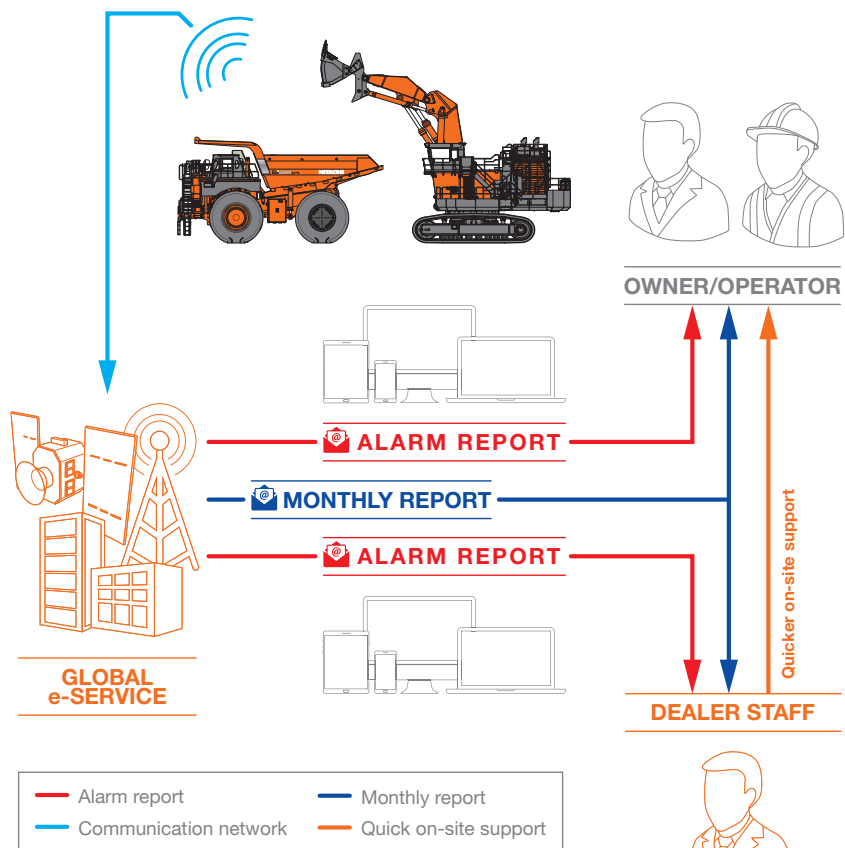


ConSite Mine allows mine sites to remotely monitor compatible excavators (including the EX3600-7) and dump trucks 24/7 using IoT and AI analysis of the equipment's operational data.

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.

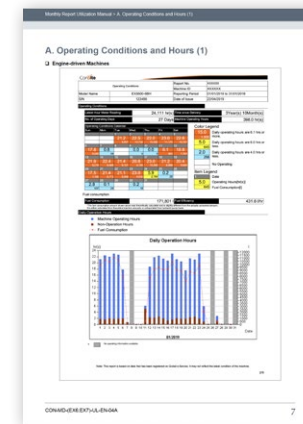


Warning

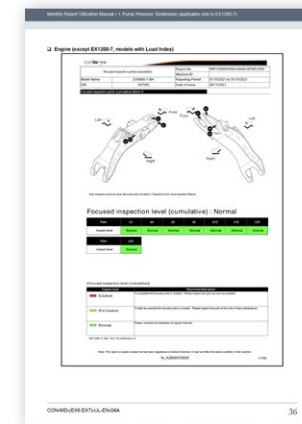
The data report service is available on machines equipped with the communication terminal. Contact your Hitachi Construction Machinery authorized dealer for the details of Data Report Service and machine models that are supported. The communication ability may depend on the situation of the worksite. 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

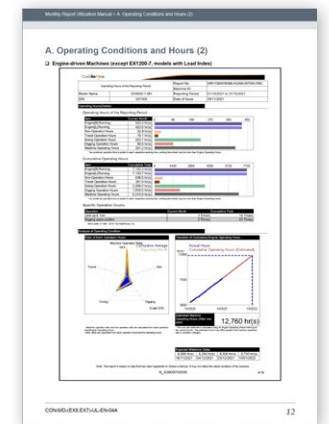
FUEL CONSUMPTION REPORT



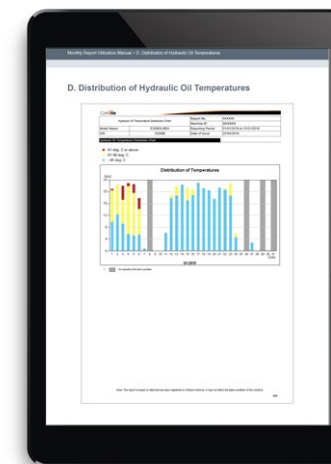
LOAD INDEX REPORT



OPERATION RATE REPORT



MONTHLY REPORT



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.

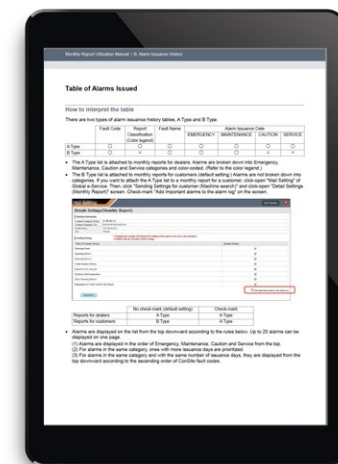
BENEFITS:

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

ALARM REPORT



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

SPECIFICATIONS

ENGINE	
Model	Cummins QSKTA60-CE (FCO, T4F/EU Stage V)
Rated power @1 800 min ⁻¹ (rpm)	
ISO 14396:2002, gross...	1 450 kW (1 971 PS, 1 944 HP)
Piston displacement	60.0 L (3 661 cu. in.)
Model	MTU 12V4000 C33 (FCO)
Rated power @1 800 min ⁻¹ (rpm)	
ISO 14396:2002, gross...	1 450 kW (1 971 PS, 1 944 HP)
Piston displacement	57.2 L (3 491 cu. in.)
Model	MTU 12V4000 C35 (T4F/EU Stage V)
Rated power @1 800 min ⁻¹ (rpm)	
ISO 14396:2002, gross...	1 500 kW (2 040 PS, 2 010 HP)
Piston displacement	57.2 L (3 491 cu. in.)

Consult your Hitachi Construction Machinery dealer for MTU Engine with EU Stage V specification

ELECTRIC MOTOR	
Model	Hitachi TFOA-KK
Power output	1 200 kW (1 632 PS, 1 609 HP)
	· 50 Hz, 6 000 V, 6 600 V* @ 1 500 min ⁻¹ (rpm)
	· 60 Hz, 6 600 V, 6 900 V* @ 1 800 min ⁻¹ (rpm)
	*Please contact Hitachi Construction Machinery for other specification request

HYDRAULIC SYSTEM	
Main Pumps	8 variable-displacement, axial piston pumps for front attachment, travel and swing
Pressure setting	29.4 MPa (300 kgf/cm ² , 4 264 psi)
Max. oil flow	8 x 500 L/min (132 gal./ min)

ATTACHMENTS	
Loading Shovel Bucket Capacity (ISO 7546:1983) 22.0 m³ (28.8 cu. yd.) : Material density 1 800 kg/m³ (3 034 lb./cu. yd.) or less 24.0 m³ (31.4 cu. yd.) : Material density 1 600 kg/m³ (2 697 lb./cu. yd.) or less	Backhoe Bucket Capacity (ISO 7451:2007) 22.0 m³ (28.8 cu. yd.) : Material density 1 800 kg/m³ (3 034 lb./cu. yd.) or less 24.0 m³ (31.4 cu. yd.) : Material density 1 600 kg/m³ (2 697 lb./cu. yd.) or less

HITACHI CONSTRUCTION MACHINERY GENUINE BUCKET LINEUP					
Backhoe Buckets					
Type	Capacity ISO 7451:2007	Materials Density	Cutting Width	Weight	GET System
General Purpose	22.0 m³ (28.8 cu. yd.)	1 800 kg/m³ or less (3 034 lb./cu. yd.)	4 090 mm (13 ft. 5 in.)	24 500 kg (54 000 lb.)	Bradken Eclipse
Light Duty	24.0 m³ (31.4 cu. yd.)	1 600 kg/m³ or less (2 697 lb./cu. yd.)	4 090 mm (13 ft. 5 in.)	25 000 kg (55 100 lb.)	Bradken Eclipse
Heavy Duty	22.0 m³ (28.8 cu. yd.)	1 800 kg/m³ or less (3 034 lb./cu. yd.)	4 090 mm (13 ft. 5 in.)	25 300 kg (55 800 lb.)	Bradken Eclipse

Loading Shovel Buckets					
Type	Capacity ISO 7546:1983	Materials Density	Cutting Width	Weight	GET System
General Purpose	22.0 m³ (28.8 cu. yd.)	1 800 kg/m³ or less (3 034 lb./cu. yd.)	4 110 mm (13 ft. 6 in.)	32 000 kg (70 500 lb.)	Bradken Eclipse
Light Duty	24.0 m³ (31.4 cu. yd.)	1 600 kg/m³ or less (2 697 lb./cu. yd.)	4 110 mm (13 ft. 6 in.)	32 600 kg (71 900 lb.)	Bradken Eclipse
Heavy Duty	22.0 m³ (28.8 cu. yd.)	1 800 kg/m³ or less (3 034 lb./cu. yd.)	4 110 mm (13 ft. 6 in.)	32 600 kg (71 900 lb.)	Bradken Eclipse

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

UPPER STRUCTURE	
Swing speed	3.2 min ⁻¹ (rpm)
Fuel tank capacity	7 450 L (1 639 gal.)
DEF tank capacity (Cummins T4F only)	475 L (104.5 gal.)

UNDERCARRIAGE	
Travel speeds	High : 0 to 2.2 km/h (0 to 1.4 mph)
	Low : 0 to 1.7 km/h (0 to 1.1 mph)
Maximum traction force ...	1 760 kN (179 000 kgf, 395 664 lbf)

WEIGHTS AND GROUND PRESSURE	
Loading Shovel Equipped with 22.0 m³ (28.8 cu. yd.) (ISO 7546:1983) bottom dump bucket	
Shoe Width	Weight
1 270 mm (50.0 in.)	368 000 kg (811 000 lb.)
	Ground Pressure
	193 kPa (1.97 kgf/cm², 28.0 psi)

Backhoe Equipped with 22.0 m³ (28.8 cu. yd.) (ISO 7451:2007) bucket	
Shoe Width	Weight
1 270 mm (50.0 in.)	369 000 kg (814 000 lb.)
	Ground Pressure
	194 kPa (1.98 kgf/cm², 28.1 psi)

Cummins T4F configuration

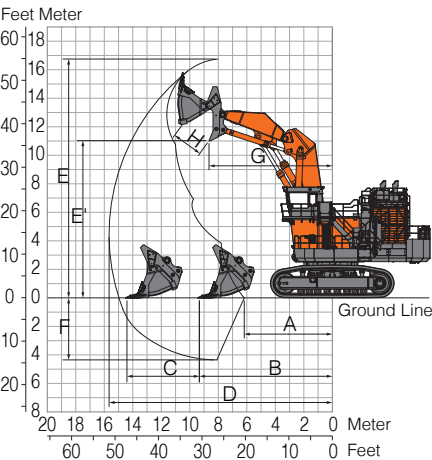
ENVIRONMENT	
Auto control air conditioner contains fluorinated greenhouse gases.	
Refrigerant type: HFC-134a	
GWP: 1430	
Amount: 2.85 kg (6.3 lb.)	
CO ₂ e: 4.08 tonnes (4.50 tons)	

PASS MATCH					
Best match: 4–6 passes					
Potential match: 3–8 passes					

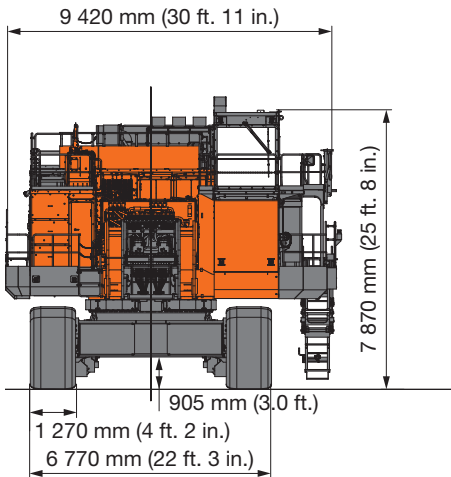
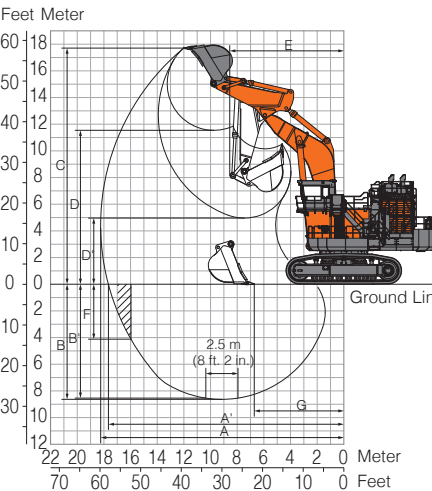
Model		100 tonne (110 tons) Class Truck	140 tonne (154 tons) Class Truck	180 tonne (198 tons) Class Truck (EH3500AC-3)	220 tonne (243 tons) Class Truck (EH4000AC-3)	290 tonne (320 tons) Class Truck (EH5000AC-3)
EX2600-7	BH 18.0 m³ (23.5 cu. yd.)	3	5	6		
	LD 15.0 m³ (19.6 cu. yd.)	4	6	8		
EX3600-7	BH 22.0 m³ (28.8 cu. yd.)	3	4	5	6	8
	LD 22.0 m³ (28.8 cu. yd.)	3	4	5	7	
EX5600-7	BH 36.0 m³ (47.1 cu. yd.)			3	4	5
	LD 29.0 m³ (37.9 cu. yd.)		3	4	5	7

WORKING RANGES	
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Loading Shovel

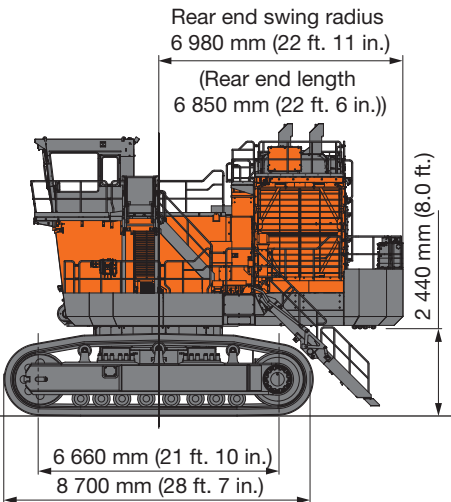


Backhoe



Bucket Capacity ISO 7546:1983		22.0 m³ (28.8 cu. yd.)
A	Minimum Digging Distance	6 200 mm (20 ft. 4 in.)
B	Minimum Level Crowding Distance	9 460 mm (31 ft.)
C	Level Crowding Distance	5 060 mm (16.7 ft.)
D	Maximum Digging Reach	15 700 mm (52 ft. 6 in.)
E	Maximum Cutting Height	16 800 mm (55 ft. 1 in.)
E'	Maximum Dumping Height	11 000 mm (36 ft. 2 in.)
F	Maximum Digging Depth	4 390 mm (14 ft. 4 in.)
G	Working Radius at Maximum Dumping Height	8 650 mm (28.4 ft.)
H	Maximum Bucket Opening Width	1 960 mm (6 ft. 5 in.)
Arm Crowding Force On Ground*		1 190 kN (122 000 kgf, 268 964 lbf)
Bucket Digging Force*		1 120 kN (114 000 kgf, 251 327 lbf)

BE-boom Length		9.6 m (31 ft. 6 in.)
BE-arm Length		4.5 m (14 ft. 9 in.)
Bucket Capacity (ISO 7451:2007)		22.0 m³ (28.8 cu. yd.)
A	Maximum Digging Reach	18 300 mm (60 ft.)
A'	Maximum Digging Reach (on ground)	17 700 mm (58 ft. 1 in.)
B	Maximum Digging Depth	8 640 mm (28 ft. 4 in.)
B'	Maximum Digging Depth (2.5 m (8 ft. 2 in.) level)	8 550 mm (28 ft. 1 in.)
C	Maximum Cutting Height	17 700 mm (58 ft. 1 in.)
D	Maximum Dumping Height	11 550 mm (37 ft. 9 in.)
D'	Minimum Dumping Height	4 950 mm (16 ft. 3 in.)
E	Minimum Swing Radius	8 540 mm (28.0 ft.)
F	Maximum Vertical Wall	4 130 mm (13 ft. 7 in.)
G	Minimum Level Crowding Distance	6 710 mm (22 ft.)
Bucket Digging Force* (ISO 6015:2006)		992 kN (101 000 kgf, 223 000 lbf)
Arm Crowd Force* (ISO 6015:2006)		933 kN (95 100 kgf, 210 000 lbf)



*The value is a calculated value.



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.