HITACHI

Reliable solutions

EX1200-7

Bucket Capacity: SHOVEL (ISO HEAPED): 5.9-6.5 m^3 (7.7-8.5 cu. yd.)
BACKHOE (ISO HEAPED): 5.2 m^3 (6.8 cu. yd.)
BE-FRONT (ISO HEAPED): 7 m^3 (9.2 cu. yd.)

Operating Weight: **CUMMINS**
FT4 SHOVEL: 118 000 kg (260,146 lb.)
FCO SHOVEL: 117 000 kg (257,951 lb.)
FT4 BACKHOE: 117 000 kg (257,951 lb.)
FCO BACKHOE: 115 000 kg (253,532 lb.)
FT4 BE-FRONT: 119 000 kg (262,350 lb.)
FCO BE-FRONT: 117 000 kg (257,951 lb.)

Rated Power: CUMMINS: 567 kW (760 hp)

MINING **EXCAVATORS**

FUEL-EFFICIENT WORK HOR

Hitachi's EX-7 Series is designed from more than 100 years of group company expertise, integrating efficiency, reliability and durability. Available as a backhoe or shovel, the EX1200-7 improves total fuel economy by 6 percent.* Plus, it features productivity-boosting advantages like an improved hydraulic system, larger bucket capacity and simplified maintenance.

The EX1200-7 keeps your work

MOVING AHEAD, NEVER BEHIND.

*Comparison of Cummins engine configuration against the EX1200-6


RSE
EX1200

INCREASED PRODUCTIVITY. REDUCED CONSUMPTION.

Hitachi's latest energy optimizing features provide a sustainable solution for the mining industry. The EXI200-7 includes electronically controlled hydraulic pumps, an optimized cooling package, enhanced hydraulic circuits, and a choice of emission configurations to meet regulations and improve your total fuel economy by up to 6 percent.*

The EXI200-7 is engineered for EFFICIENT PERFORMANCE.

FUEL-EFFICIENT ENGINE OPTIONS
Choose from a Cummins Final Tier 4 (FT4) engine or a Cummins Fuel-Calibration Optimization (FCO) option for fuel-efficient operation.

MAIN PUMP ELECTRIC REGULATORS
Each individually controlled hydraulic pump utilizes its own electric regulator. This delivers enhanced engine power, lower fuel consumption and more efficient performance.

HYDRAULIC REGENERATION CIRCUIT
The boom, arm and bucket are fitted with a flow regeneration valve to reduce power requirements from the hydraulic system and engine, lowering fuel consumption and improving pump life.

ENGINE-PUMP (E-P) CONTROL
The computer-aided Engine-Pump Control (E-P Control) system senses load demand and adjusts power to the work being performed, lowering fuel costs for large workloads.

*Comparison of Cummins engine configuration against the EXI200-6

HYDRAULIC OIL COOLER
A redesigned hydraulic oil cooler with variable speed fan reduces energy demand. The oil cooler is separated from the radiator, increasing efficiency and life of the hydraulics as well as reducing maintenance time.

RADIATOR FAN MOTOR
The radiator fan is now driven by a hydraulic system, replacing the previous mechanical drive system. The fan automatically adjusts to meet engine requirements, creating an optimized cooling system with less horsepower demand and less operational noise.

AUTO-IDLE
When the machine is in neutral, auto-idle reduces engine speed to save on fuel consumption. If the control levers are operated, the engine will immediately return to the designated speed set by the engine control dial.

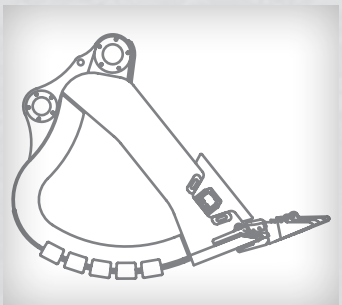
SHOVEL DESIGN

The bucket design is optimized for excavator performance and longevity, achieving long-term structural integrity and higher productivity.

SHOVEL EXCAVATING FORCE

Arm crowding force on ground
585 kN/59 700 kgf (131,616 lbf.)

Bucket digging force
709 kN/72 300 kgf (159,314 lbf.)



BACKHOE DESIGN

The bucket dumping angle can be freely adjusted for efficient dumping. This reduces shock to the dump body for longer service life and lower repair costs.

BACKHOE EXCAVATING FORCE

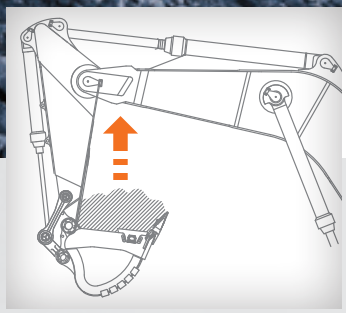
Arm crowding force
438 kN/44 660 kgf (96,254 lbf.)

Bucket digging force
569 kN/58 020 kgf (127,912 lbf.)

PEAK PERFORMANCE IN ALL ENVIRONMENTS.

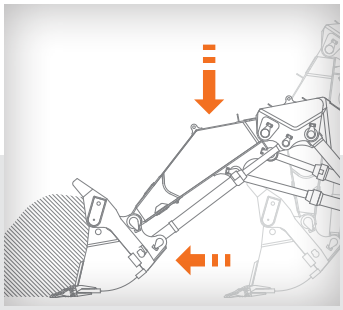
Whether it's loading haul trucks in a mine or digging on a construction job site, the EXI200-7 offers versatility for all types of operations. Engineered from the ground up, this durable machine is equipped to tackle demanding work.

The EXI200-7 offers PROVEN PRODUCTIVITY.



AUTO-POWER LIFT

If load to the hydraulic system becomes excessive while the boom is being lifted, an automatic change in the main relief pressure setting will increase lifting power, improving operability and efficiency.



AUTO-LEVELING MECHANISM FOR LOADER APPLICATION

The control of both the arm and boom is achieved through a Hitachi proprietary leveling cylinder mechanism, using just one arm lever. This means the bucket can automatically be pushed out horizontally using a single movement. Potential energy created from the front weight is recycled as level cylinder thrust and added to the arm digging power. This allows for higher digging power, especially at the end of a stroke, improving work performance.

FRONT ATTACHMENT

With a front attachment design that improves machine performance, the EXI200-7 can achieve superior productivity under several digging profiles.

The boom and arm are welded, utilizing a full-box section design to evenly distribute stress and provide ease of maintenance.

The front attachment is optimized for the bucket design to achieve higher operating efficiency. It can be controlled with absolute precision while requiring little to no effort from the operator.

EXCAVATION

The bucket digging profile allows a wide working area, ranging from below ground level to above cab height. There is no need for bucket repositioning and travelling to suit different job requirements, which boosts operating efficiency.

MACHINE CONTROL. BETTER WORKFLOW.

The EXI200-7 is not only designed for efficiency, it also allows for ultimate control and safe operation. Intuitive and advanced features empower the operator to personalize their work environment for increased productivity.

This intuitive workhorse is OPERATOR FRIENDLY.

MULTI-FUNCTIONAL CONTROLLER

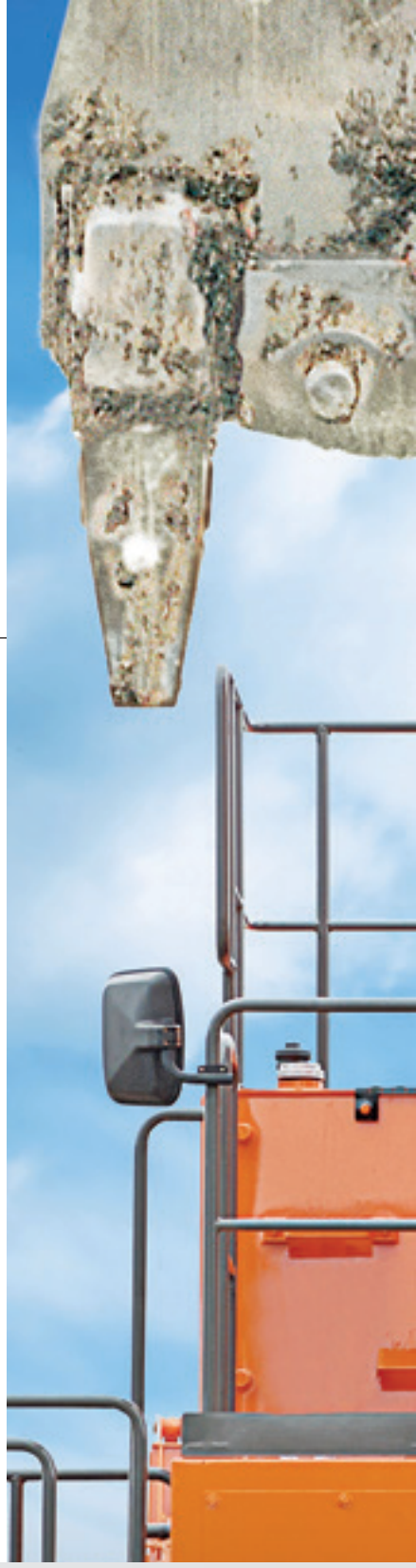
A dial type multi-functional controller makes operation easy and intuitive. Frequently used switches are located on the right hand side console panel within easy reach of the operator.

MULTI-FUNCTIONAL DISPLAY

The multi-language, 7-inch, color, multi-monitor screen display provides machine data, operating status and alerts at a glance. The display is fitted with an LED backlight to improve clarity and reduce glare.

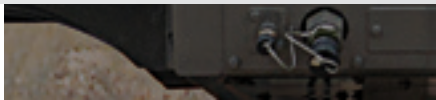
DUAL ISOLATOR SWITCH

The dual isolator switch can deactivate the engine and battery individually. The battery isolator isolates the positive and negative battery terminals for safe inspections. The engine isolator deactivates the engine starter motor while allowing battery power to the electric system.



SELECTABLE BOOM MODE

Two boom modes can be selected with the Boom Mode switch. Power Mode yields higher digging capability by increasing boom lower force for better penetration; Comfort Mode decreases boom lower force for less stress to the structure and smoother operation.



POWER BOOST SWITCH
When digging in hard rock environments, Power Boost Switch can be temporarily activated to increase pump pressure and maximize hydraulic power in the front attachment.

ACCESS AND WALKWAYS
Anti-slip walkways, handrails and a standard slide ladder contribute to safe machine accessibility for operators and maintenance personnel.

TRAVEL MOTION ALARM
An audible alarm provides warning to surrounding vehicles and personnel when the excavator is travelling.

ENGINE STOP SWITCHES
Engine stop switches located in both the engine room and cab allow for ease of access.

COMFORTABLE CAB. EASY OPERATION.

The EXI200-7 is engineered with a superior level of comfort for an operator experience like no other. The ergonomic layout, multi-functional display and enhanced climate control system creates an operating environment that decreases fatigue and increases productivity.

The EXI200-7 keeps operators COMFORTABLE AND PRODUCTIVE.

CLIMATE CONTROLLED AIR CONDITIONING

The pressurized cab's climate controlled air conditioning optimizes filtering of interior and exterior air. Plus, a new flexi-vent system provides a personalized environment.

OPERATOR SEAT

The weight-adjusting cushioned seat offers customized suspension settings. An optional air suspension seat can be activated by a switch to automatically calculate optimal cushioning according to operator weight.

FLUID-FILLED ELASTIC MOUNTS

The cab rests on 6-point, support type, fluid-filled elastic mounts that reduce shocks and vibration for operator comfort. These mounts can easily be replaced from underneath the cab floor bed without needing to lift the cab.

ROLL SCREENS

Optional, retractable, front and side roll screens reduce heat buildup in the cab, improving efficiency of the climate controlled air conditioner for a superior operating environment.

OPERATOR CABIN

Laminated windows on the front of the cab and tinted windows on the sides reduce heat, glare and harmful UV rays. The Level II Operator Protective Guard (OPG) provides secure protection from falling objects, ensuring operator safety.

AMENITIES

Operator amenities are designed to maximize comfort and productivity and include hot and cool box, multiple drink holders, 12V power supply, stereo speakers, external audio input, audio device storage box, large storage space to the seat rear, and door-activated dome light.

REAR VIEW CAMERA

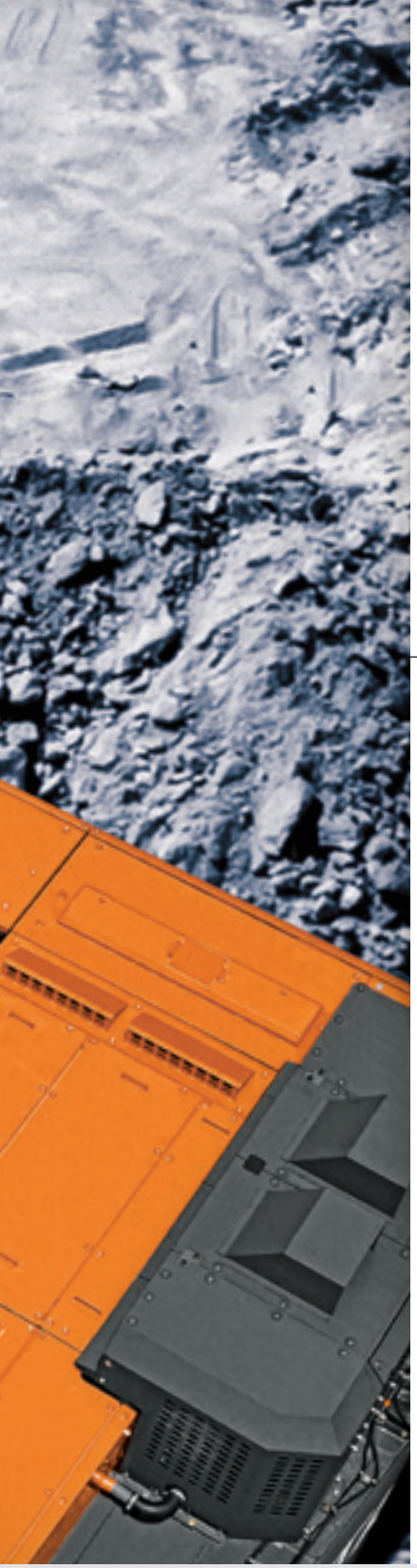
A rear view camera is located on the machine counterweight. Operator status icons and the rear view monitor can be displayed simultaneously.

CENTRALIZED FILTER SYSTEM
Frequently accessed filters are now conveniently located in the center access way.

FUEL FAST FILL PIPING
The optional fast-filling system provides easy access from the ground to refill fuel. The fast fill piping can also be fitted with an optional quick coupler.

CONTAMINATION SENSORS
Optional contamination sensors are located on main hydraulic pumps, travel motor and swing motor to detect any contaminants that may cause damage to the hydraulic system. The sensors alert the operator and record the fault code in the Data Logging Unit (DLU).

REVERSE FANS
Radiator and oil cooler fans can be reversed to eject dust on cores and screens. This reduces the need for labor-intensive maintenance and extends the life of components.



PERFORMANCE YOU COUNT ON. MAINTENANCE MADE EASY.

Hitachi is focused on safe and simplified maintenance. That's why the EXI200-7 is designed for easy upkeep with features like maintenance alerts, a centralized filter system and more.

With the EXI200-7, you get SIMPLIFIED SERVICING.

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 easy.

AUTO-LUBRICATION SYSTEM

An optional auto-lubrication system for a bulk excavation front attachment supplies grease to the superstructure including bucket pins. The system's 95 L (25 gal.) grease tank, new grease pump, in-line grease filter and breather with filter help keep you up and running.

MAINTENANCE ALERTS & TROUBLESHOOTING

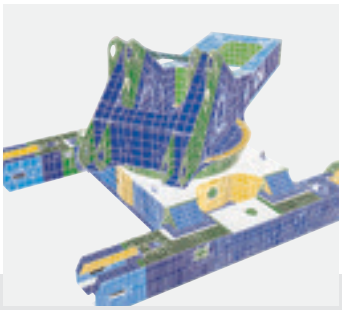
Each time the machine is turned on, the monitor will prompt regular maintenance. Error codes can be displayed on the main screen by authorized service personnel for quick troubleshooting.

YOUR TOUGHEST CHALLENGE? BRING IT ON.

Durability is built-in to Hitachi's EX-7 Series excavators. Advanced computer modelling, specialized forgings and track shoes combine to provide a dependable and flexible solution for all mining operations.

With this workhorse, NOTHING'S STOPPING YOU.

FULL TRACK GUARD
An optional full track guard prevents link mistracking when the EXI200-7 is operating on a rocky surface for extra assurance.



RIGID BOX DESIGN
Computer assisted analysis has been used to determine the most effective design for frame longevity, to ensure the machine withstands the demands of any mining operation.

CENTER FRAME UNDERGUARD
An optional newly designed heavy duty guard protects hoses located in the track center frame from rocks and debris ingress, providing extra protection and reliability.

OIL-FILLED ROLLERS & IDLERS
The oil-filled idlers and upper and lower rollers eliminate the need for daily lubrication, helping reduce maintenance costs.

CENTER TRACK FRAME
Hitachi'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.

FORGED SWING CIRCLE
A forged swing circle distributes stress evenly around the most demanding areas of the component, improving machine sturdiness.

TRACK SHOES
Improved Hitachi track link design helps reduce premature failure of the master pin, increasing durability.

AUTOMATIC TRAVEL SHIFTING
When the track identifies an excessive resistance such as hill climb or soft ground while traveling in high speed mode, the system automatically shifts to low speed for better traction. Once resistance is reduced, the travel shift reverts to original speed.

GREASE-LESS CENTER JOINT
The redesigned center joint employs the machine's hydraulic oil to self-lubricate, reducing the need for daily maintenance.

GOODBYE, DOWNTIME.
HELLO, UPTIME.

The EX-7 Series of excavators continue Hitachi's legacy of innovation. Equipped with the latest technology and built for the long haul, the EX1200-7 is a reliable solution for any operation.

The EX1200-7 offers you RELIABILITY DAY AFTER DAY.

OPERATING LIGHTS
Strategically placed long-life LED working lights provide greater longevity and reliability for night operations.

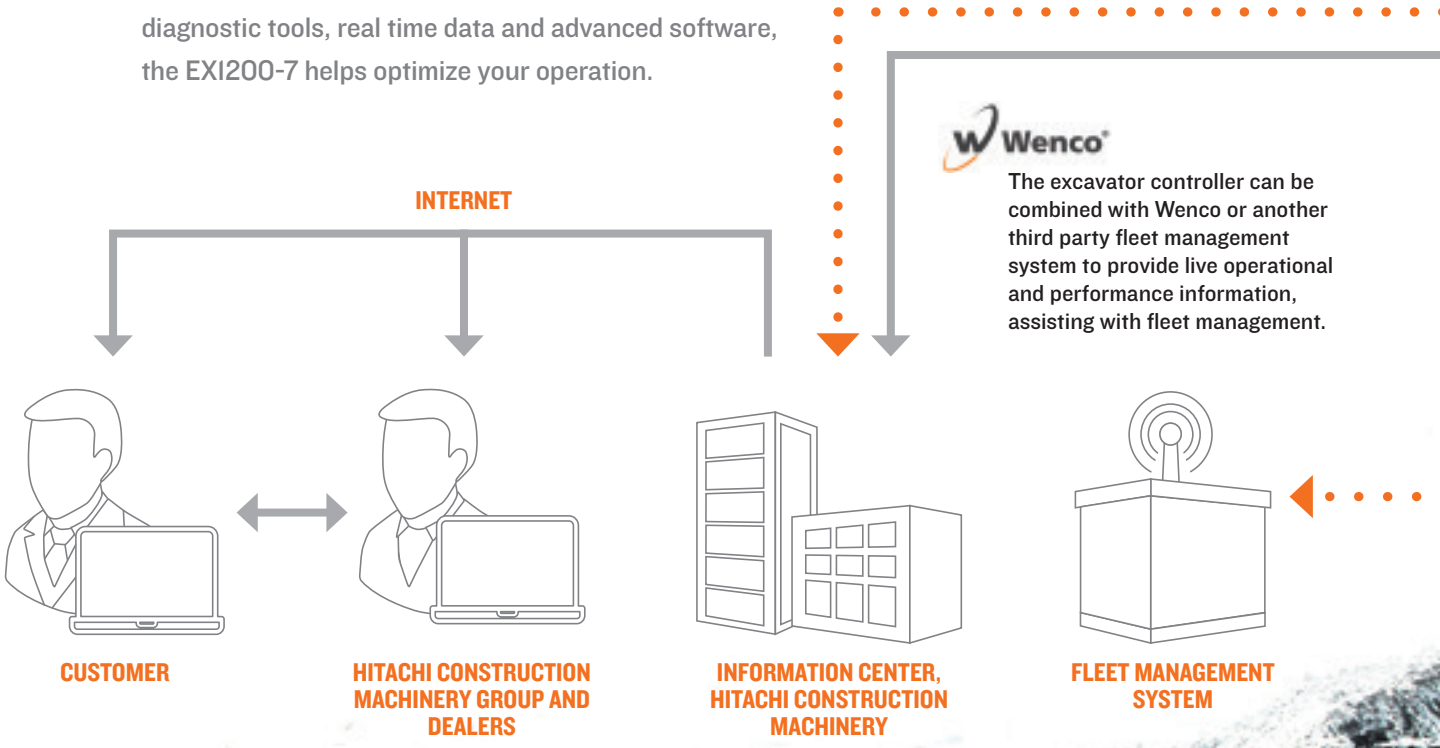
BUCKET LINKAGE
The floating pin design for bucket linkage helps to reduce wear by evenly distributing the load around the pin and minimizing dust ingress. A replaceable thrust plate minimizes maintenance time caused by extreme contact wear to the surface.

FRONT ATTACHMENT HOSES
Hitachi's hose design is based on a cyclic fatigue rate to maximize longevity and improve safety. The underslung low bend configuration of the front attachment hoses removes the need for clamping to help reduce chafing and increase reliability.

UPPER ROLLERS
Three single-sided upper rollers on each side of the track frame maintain track shoe clearance and provide protection from debris buildup, reducing shoe and roller wear.

INTELLIGENT SYSTEMS FOR RAPID RESPONSE.

Hitachi's EX-7 series of excavators connect physical and digital technologies to drive transformation in the mining industry. Utilizing extensive onboard sensors, diagnostic tools, real time data and advanced software, the EXI200-7 helps optimize your operation.



Wenco

The excavator controller can be combined with Wenco or another third party fleet management system to provide live operational and performance information, assisting with fleet management.

Aerial Angle

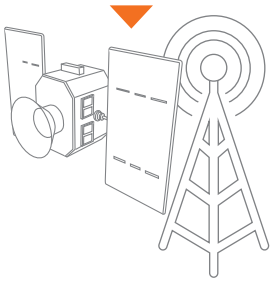
Aerial Angle(optional) provides the operator with a real-time continuous birds-eye view around their excavator. Cameras strategically mounted on the machine generate a single aerial view of the EXI200-7 surroundings. Multiple screen display options can be selected on the cab's 7-inch Aerial Angle monitor for ease of operation.

GLOBAL E-SERVICE

Global e-Service is a Hitachi web-based platform which sends vital machine information directly to the customer in an easy-to-understand format.

SATELLITE / GPRS COMMUNICATION (OPTIONAL)

Standard machine information is transmitted daily through either satellite or GPRS (General Packet Radio Service) communication, sending data directly to Hitachi's Global e-Service platform to support the mining operation.



ANTENNA (GPRS) OR SATELLITE

INTERNET

WIRELESS INTERFACE (OPTIONAL)

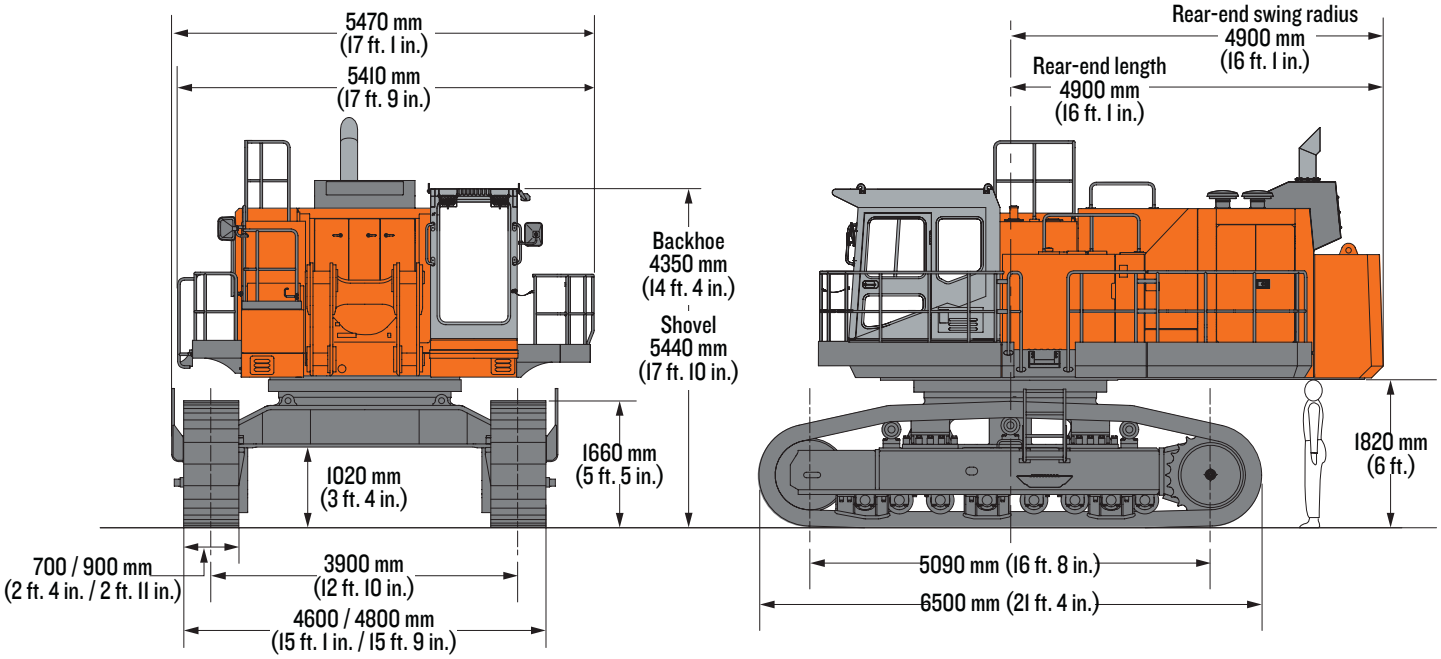
Detailed machine information recorded on the Data Logging Unit (DLU) can be remotely downloaded via the Wireless Interface Unit (WIU), providing vital operational & performance data.

ON-SITE STAFF

Operation data is collected and uploaded by on-site staff

Image used for display purposes only

EXI200-7



Engine	EXI200-7	
Manufacturer and Model	Cummins QSK23-C	Cummins QSK23-C
Type	4 cycle	4 cycle
Aspiration	Water-cooled, 6-cylinder in line, turbocharged direct injection chamber-type diesel engine, urea SCR system	Water-cooled, 6-cylinder in line, turbocharged direct injection chamber-type diesel engine
Emission Certification	U.S.EPA Tier 4 Final	Not Certified
Rated Power		
Gross power (SAE J1995)	567 kW (760 hp) at 1800 min^{-1} (rpm)	567 kW (760 hp) at 1800 min^{-1} (rpm)
Maximum torque	3468 Nm (354 kgf-m) at 1350 min^{-1} (rpm)	3468 Nm (354 kgf-m) at 1350 min^{-1} (rpm)
Piston displacement	23.15L (1,413 cu. in.)	23.15L (1,413 cu. in.)
Bore and stroke	170 mm x 170 mm (6.7 in. x 6.7 in.)	170 mm x 170 mm (6.7 in. x 6.7 in.)
Starting system	24 V electric motor	24 V electric motor
Batteries	2 x 12 V 245 AH	2 x 12 V 245 AH
Hydraulic System		
Hitachi's ETS (Electronic Total control System) can achieve maximum job efficiency by reducing fuel consumption and noise levels, while maximizing productivity through the optimization of engine-pump functions with excellent controllability increasing operator comfort.		
Computer-Aided Engine-Pump Control System (E-P)		
Main pumps regulated by electric engine speed sensing control system. Optimum operation mode selectable among 3 power modes depending on type of job.		
Optimum Hydraulic System (OHS)		
HIOS IIIB assures fully independent and combined operations.		
Additional Features		
High-pressure 2-speed travel system for high traction force and travel speed		
Forced-cooling pump drive system		
TIG (Tungsten Insert Gas) welding pipings		
Main Pumps		
Three variable-displacement, swash plate-type axial piston pumps		
Maximum oil flow	3 x 520 L/min (3 x 134.4 gal./min.)	
Pilot Pump		
Gear pump		
Maximum oil flow	56.0 L/min (14.8 gal./min.)	
Fan Pump		
Variable-displacement, swash plate type axial piston pumps		
Relief Valve Settings		
Boom/arm/bucket circuit	31.9 MPa (325 kgf/cm^2) (4,627 psi)	
Travel circuit	34.3 MPa (350 kgf/cm^2) (4,975 psi)	
Swing circuit	27.9 MPa (285 kgf/cm^2) (4,047 psi)	
Pilot circuit	3.9 MPa (40 kgf/cm^2) (566 psi)	
Hydraulic Cylinders		
High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket, and dump cylinders.		

Cylinder Dimensions (Backhoe)			
	Quantity	Bore	Rod Diameter
Boom	2	230 mm (9.1 in.)	160 mm (6.3 in.)
Arm	1	260 mm (10.2 in.)	180 mm (7.1 in.)
Bucket for 11 ft. 10 in. (3.6 m) arm	1	230 mm (9.1 in.)	160 mm (6.3 in.)
Bucket for 11 ft. 2 in. (3.4 m) BE-arm	1	240 mm (9.5 in.)	170 mm (6.7 in.)

Cylinder Dimensions (Loading Shovel)			
	Quantity	Bore	Rod Diameter
Boom	2	230 mm (9.1 in.)	160 mm (6.3 in.)
Arm	1	215 mm (8.5 in.)	150 mm (5.9 in.)
Bucket	2	200 mm (7.9 in.)	150 mm (5.9 in.)
Dump	2	140 mm (5.5 in.)	85 mm (3.4 in.)
Level	1	230 mm (9.1 in.)	160 mm (6.3 in.)

Hydraulic Filters

All hydraulic circuits have high-quality hydraulic filters for protection against oil contamination and longer life of hydraulic components. Filters are centralized for convenient maintenance.

	Quantity	
Full flow filter	2	30 µm
Drain filter (For all plunger-type pumps and motors)	1	10 µm
Suction filter	2	177 µm
Pilot filter	1	10 µm
Line filter (Delivery filter)	3	95 µm

Controls

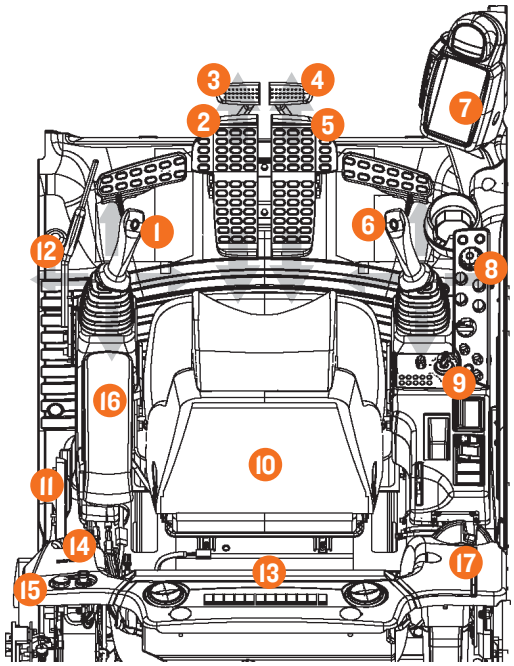
Two Implement Levers

Remote-controlled joystick hydraulic servo system. Right lever is for boom and bucket control, left lever for swing and arm control. For loading shovel, 2 pedals provided for opening/closing the bottom dump bucket.

Two Travel Levers with Pedals

Remote-controlled hydraulic servo system. Independent drive at each track allows counter rotation of tracks.

1	Left Control Lever/Horn Switch
2	Left Travel Pedal
3	Left Travel Lever
4	Right Travel Pedal
5	Right Travel Lever
6	Right Control Lever/Power Boost Switch
7	Multi Function Monitor Panel
8	Switch Panel
9	Key Switch
10	Operator's Seat
11	Cab Door Release Lever
12	Pilot Control Shut-Off Lever
13	Glove Compartment
14	Fuse Box
15	Cigar Lighter
16	Switch Panel
17	Glove Compartment (Hot and Cool Box)



EX1200-7

Upperstructure

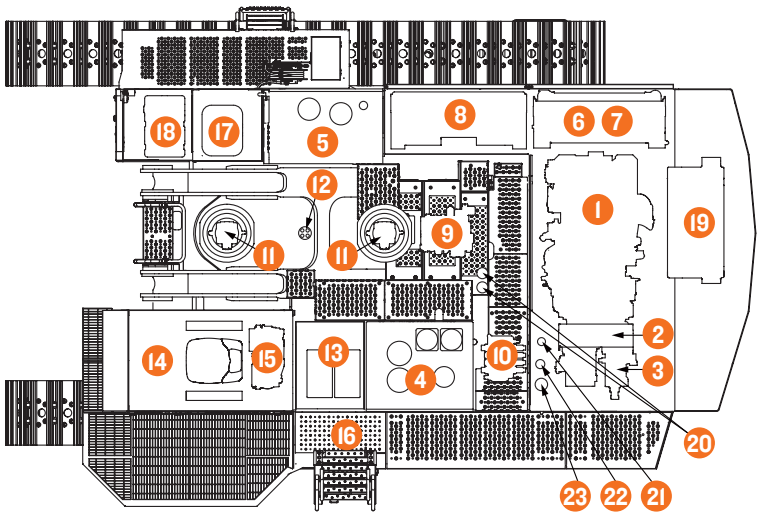
Revolving Frame

Deep, full-reinforced box section. Heavy-gauge steel plates used for ruggedness.

Deck Machinery

Maintenance accessibility is the major feature in the lay-out of deck machinery. Sidewalks provide easy access to engine, hydraulic, and electrical components.

1	Engine
2	Pump Drive Unit
3	Hydraulic Pump x 3
4	Hydraulic Oil Tank
5	Fuel Tank
6	Engine Radiator
7	Engine Air Cooler
8	Oil Cooler
9	Main Control Valve
10	Swing Control Valve
11	Swing Device x 2
12	Center Joint
13	Batteries
14	Operator Cab
15	Air Conditioning Light
16	Slide Ladder
17	Lubricator
18	DEF Tank (Tier 4 Final only)
19	After Treatment Device (Tier 4 Final only)
20	Engine Oil Filter
21	Pilot Filter
22	Transmission Oil Filter
23	Pump Drain Filter



Swing Device

Two high-torque, axial-piston motors with planetary reduction gear bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant. Swing parking brake is spring-set, hydraulic-released disc type.

Swing speed	5.2 min^{-1} (rpm)

Operator's Cab

The sturdy cab, with the top guard conforming to OPG Level II (ISO) helps protect the operator from falling objects. Independent, pressurized, 1100 mm (3 ft. 7 in.) wide, 1900 mm (6 ft. 3 in.) high, roomy 3.47 -m^3 (4.8 cu. yd.) cab with tinted-glass windows features all-round visibility. Spring-suspension-type, fully-adjustable reclining seat with armrests; movable with or without front and swing control levers by slide. Instruments and control panel are within easy reach of the operator. Powerful fresh air ventilation-type air conditioner. Cool-and-hot box and rotatable blower louvers also serve as defrosters. Thus, rapid air-conditioning can be achieved for operator comfort. Fluid-filled elastic-mounting and soundproofing structure to reduce noise level and vibration.

Noise level	72 dB (A) in the cab at maximum engine speed under no-load condition (Tier 4 Final model)
Eye level height	
Backhoe	3650 mm (12 ft.)
Loading Shovel	4730 mm (15 ft. 6 in.)

Undercarriage

Tracks

Tractor-type undercarriage. Bolt linkage for side frame ensures durability. Heavy-duty track frame of all-welded, stress-relieved structure. Top-grade materials used for toughness. Lifetime-lubricated induction-hardened track rollers, idlers, and sprockets with floating seals. Track shoes of rolled alloy with double grousers. Durable strut reinforced track links with track guards. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Tractor-Type Undercarriage

Double grouser track shoes of induction-hardened rolled alloy

Shoe width	700 mm (28 in.) standard
	900 mm (35 in.) optional (for Backhoe attachment only)
Number of Rollers and Shoes (each side)	**Standard Side Frames**
Upper rollers	3
Lower rollers	8
Track shoes	49

Travel Device

Each track driven by a high-torque, axial piston motor through planetary reduction gears, allowing counter rotation of the tracks. Easily replaceable sprockets. Parking brake of spring-set, hydraulic-released disc type.

Travel speeds	Low: 0 – 2.4 km/h (0 – 1.5 mph)
	High: 0 – 3.5 km/h (0 – 2.2 mph)
Maximum traction force	707 kN (72 100 kgf) (158,940 lbf.)
Gradeability	70% (35°) maximum

Weights and Ground Pressure

Backhoe: Equipped with 9.0 m (29 ft. 6 in.) boom, 3.6 m (11 ft. 10 in.) arm, and 5.2 m^3 (6.8 yd. cu.) (ISO heaped) bucket.

Shoe Type	Shoe Width	Engine Type	Operating Weights	Ground Pressure
Double Grousers	700 mm (28 in.)	FCO	115 000 kg (253,352 lb.)	145 kPa (1.48 kgf/cm^2) (21 psi)
		T4F	117 000 kg (257,951 lb.)	148 kPa (1.51 kgf/cm^2) (21.5 psi)
	900 mm (35 in.)	FCO	116 000 kg (255,736 lb.)	114 kPa (1.17 kgf/cm^2) (16.8 psi)
		T4F	118 000 kg (260,146 lb.)	116 kPa (1.19 kgf/cm^2) (16.8 psi)

Backhoe: BE-front: Equipped with 7.55 m (24 ft. 9 in.) BE-boom, 3.4 m (11 ft. 2 in.) BE-arm, and 7 m^3 (9.2 yd. cu.) (ISO heaped) bucket.

Shoe Type	Shoe Width	Engine Type	Operating Weights	Ground Pressure
Double Grousers	700 mm (28 in.)	FCO	117 000 kg (257,951 lb.)	148 kPa (1.51 kgf/cm2) (21.5 psi)
		T4F	119 000 kg (262,350 lb.)	150 kPa (1.53 kgf/cm2) (21.8 psi)
	900 mm (35 in.)	FCO	118 000 kg (260,146 lb.)	116 kPa (1.19 kgf/cm2) (16.8 psi)
		T4F	120 000 kg (264,555 lb.)	118 kPa (1.21 kgf/cm2) (17.1 psi)

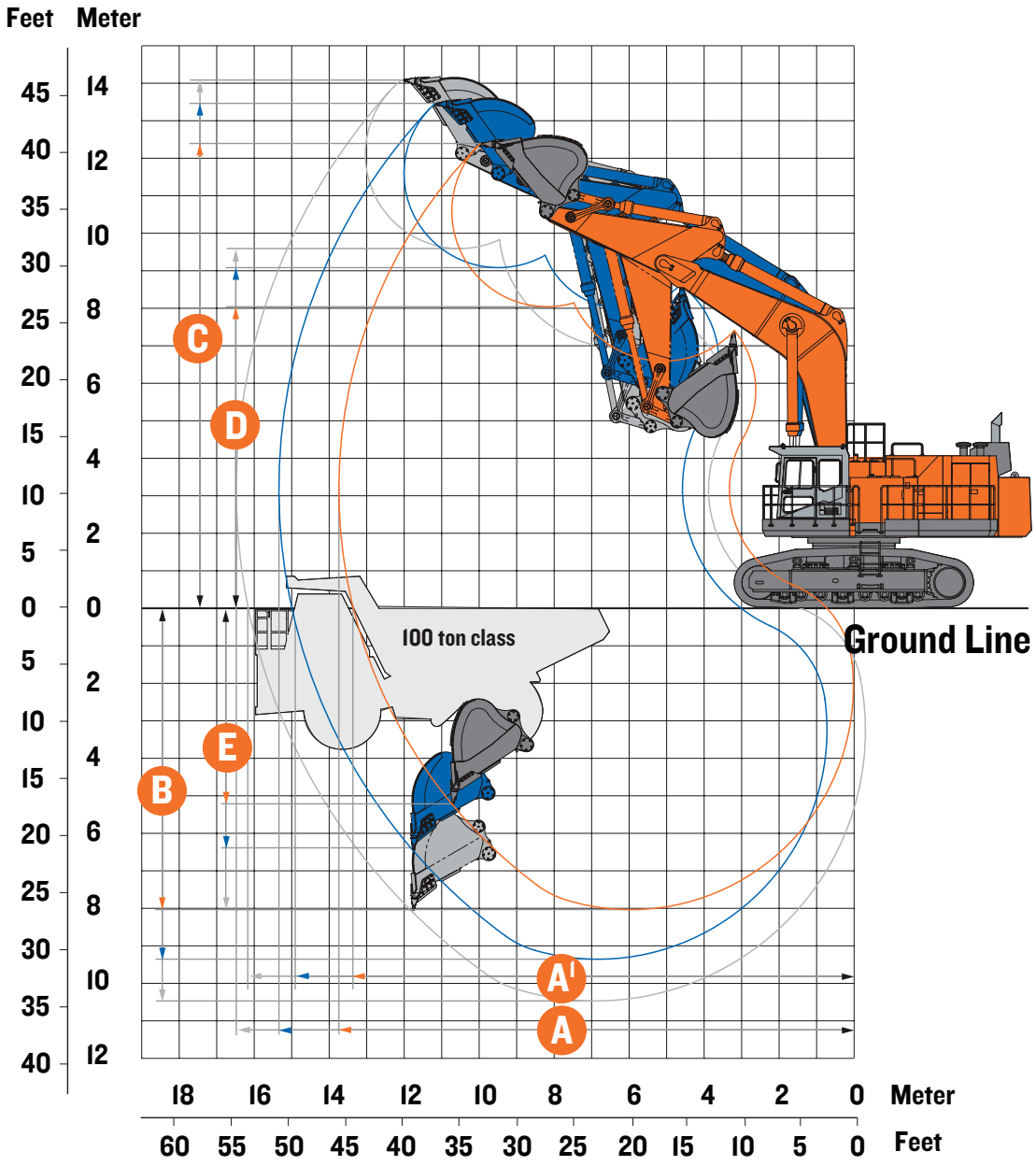
Loading Shovel: Equipped with 6.5 m^3 (8.5 yd. cu.) (ISO heaped) bottom dump bucket.

Shoe Type	Shoe Width	Engine Type	Operating Weights	Ground Pressure
Double Grousers	700 mm (28 in.)	FCO	117 000 kg (257,951 lb.)	148 kPa (1.51 kgf/cm^2) (21.5 psi)
		T4F	118 000 kg (260,146 lb.)	149 kPa (1.19 kgf/cm^2) (16.8 psi)

Service Refill Capacities

Fuel tank	1700L (449 gal.)
Engine coolant	126L (33.2 gal.)
Engine oil	95L (25.1 gal.)
Pump drive	15L (4 gal.)
Swing device (each side)	25L (6.6 gal.)
Travel final device (each side)	43L (11.4 gal.)
Hydraulic system	1350L (356.6 gal.)
Hydraulic oil tank	648L (171.2 gal.)
DEF tank (Tier 4 Final only	145 L (38.3 gal.)

EX1200-7



- 7.5-m (24 ft. 9 in.) BE Boom, 3.4-m (11 ft. 2 in.) Arm and 7-m³ (9.2 cu. yd.) Bucket
- 9.0-m (29 ft. 6 in.) Boom, 3.6-m (11 ft. 10 in.) Arm and 5.2-m³ (6.8 cu. yd.) Bucket
- 9.0-m (29 ft. 6 in.) Boom, 4.7-m (15 ft. 5 in.) Arm and 4.0-m³ (5.2 cu. yd.) Bucket

Backhoe Attachments

Boom and arm are all-welded, low-stress, full-box section design. Bucket of all-welded high-strength steel structure, side clearance adjust mechanism is provided on the bucket joint brackets.

- Two-points support-type boom cylinder pin linkage
- Double lip pin seals (in all portions) plus O-ring at arm top and link A
- Flexible pin at the arm top and link A for bucket linkage.
- Twistlock-pro bucket teeth

BE (Bulk Excavation) front

BE-front: The EX1200-7 BE-front is designed and manufactured as a production-oriented machine. Its features include a short arm and boom, large-capacity bucket, large-digging force and superb digging / loading capability.

Working Ranges

		● 7.5 m (24 ft. 9 in.)	● 9.0 m (29 ft. 6 in.)	● 9.0 m (29 ft. 6 in.)
Boom length				
Arm length		● 3.4 m (11 ft. 2 in.)	● 3.6 m (11 ft. 10 in.)	● 4.7 m (15 ft. 5 in.)
	Arm Crowd Force			
	SAE	● 425 kN (95,544 lb.)	● 422 kN (94,869 lb.)	● 346 kN (77,784 lb.)
	ISO	● 438 kN (98,466 lb.)	● 430 kN (96,668 lb.)	● 352 kN (79,133 lb.)
	Bucket Digging Force			
	SAE	● 512 kN (115,102 lb.)	● 440 kN (98,916 lb.)	● 440 kN (98,916 lb.)
	ISO	● 569 kN (127,916 lb.)	● 482 kN (108,358 lb.)	● 482 kN (108,358 lb.)
A	Maximum Digging Reach	● 13 950 mm (45 ft. 9 in.)	● 15 350 mm (50 ft. 4 in.)	● 16 430 mm (53 ft. 11 in.)
A'	Maximum Reach at Ground Level	● 13 410 mm (44 ft.)	● 15 010 mm (49 ft. 3 in.)	● 16110 mm (52 ft. 10 in.)
B	Maximum Digging Depth	● 8100 mm (26 ft. 7 in.)	● 9380 mm (30 ft. 9 in.)	● 10 480 mm (34 ft. 5 in.)
B'	Maximum Digging Depth at 2.5-m (8 ft.) Flat Bottom	● 7960 mm (26 ft. 1 in.)	● 9260 mm (30 ft. 4 in.)	● 10 380 mm (34 ft. 0 in.)
C	Maximum Cutting Height	● 12 340 mm (40 ft. 6 in.)	● 13 460 mm (44 ft. 2 in.)	● 14 110 mm (46 ft. 4 in.)
D	Maximum Dumping Height	● 8010 mm (26 ft. 3 in.)	● 9080 mm (29 ft. 10 in.)	● 9610 mm (31 ft. 6 in.)
E	Maximum Vertical Wall	● 4440 mm (14 ft. 7 in.)	● 6450 mm (21 ft. 2 in.)	● 8050 mm (26 ft. 5 in.)

Buckets

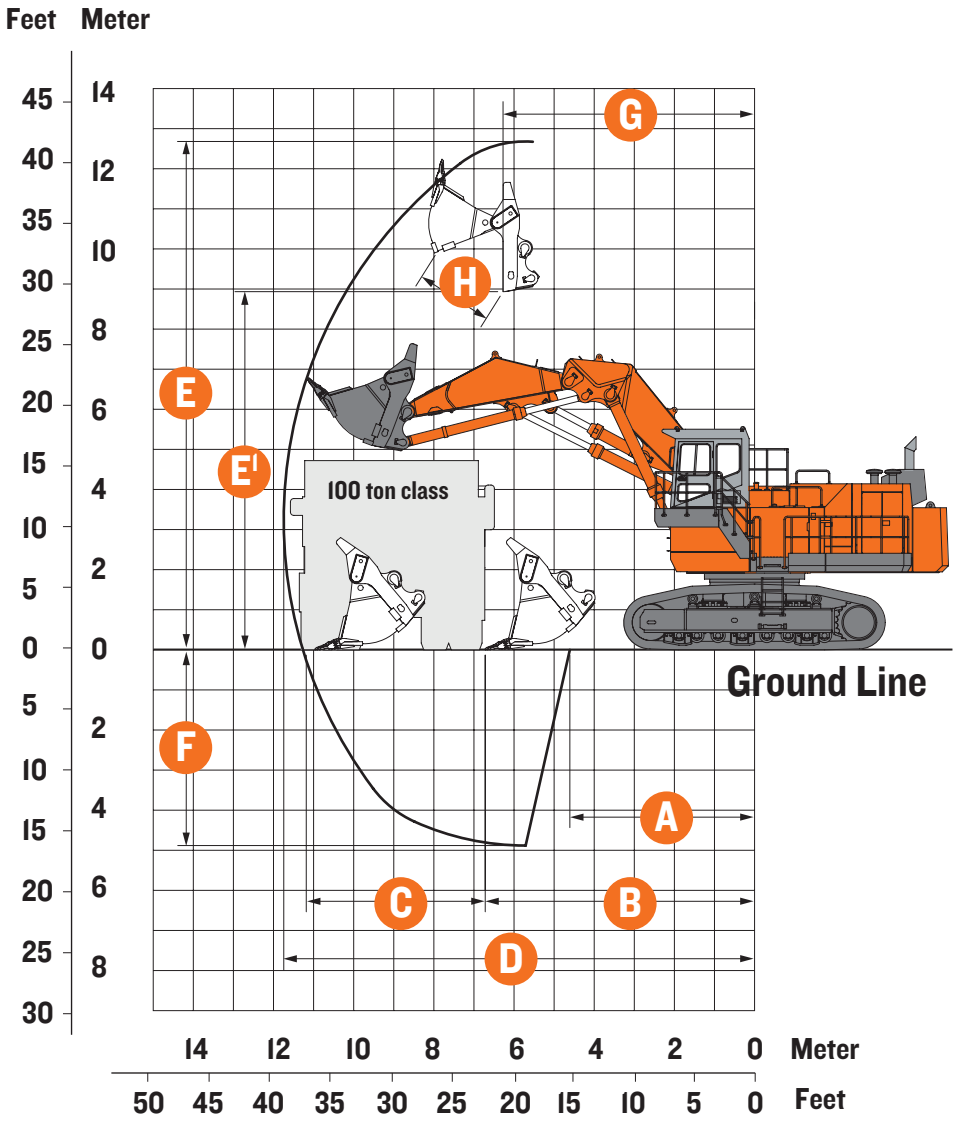
Capacity (heaped)	Width without shroud	Width with shroud	No. of teeth	Weight	Bucket Type	Materials density	
						● BE-front	● Standard
						7.5 m (24 ft. 9 in.) BE-boom	9.0 m (29 ft. 6 in.) boom
						3.4 m (11 ft. 2 in.) BE-arm	3.6 m (11 ft. 10 in.) arm
5.2 m^3 (6.8 cu. yd.)	1940 mm (6 ft. 4 in.)	2120 mm (6 ft. 11 in.)	5	4910 kg (10,825 lb.)	General purpose	—	1800 kg/m^3 (3,033 lb./$yd.^3$)
5.2 m^3 (6.8 cu. yd.)	1900 mm (6 ft. 3 in.)	2000 mm (6 ft. 7 in.)	5	5930 kg (13,073 lb.)	Rock	—	1800 kg/m^3 (3,033 lb./$yd.^3$)
5.8 m^3 (7.6 cu. yd.)	2120 mm (6 ft. 11 in.)	2220 mm (7 ft. 3 in.)	5	6930 kg (15,278 lb.)	Rock	1800 kg/m^3 (3,033 lb./$yd.^3$)	—
7 m^3 (9.2 cu. yd.)	2640 mm (8 ft. 8 in.)	2640 mm (8 ft. 8 in.)	5	7860 kg (17,328 lb.)	General purpose	1800 kg/m^3 (3,033 lb./$yd.^3$)	—
						● Semi-Long	
						9.0 m (29 ft. 6 in.) BE-boom	
						4.7 m (15 ft. 5 in.) BE-arm	
4.0 m^3 (5.23 cu. yd.)	1700 mm (5 ft. 7 in.)	—	5	3800 kg (8,380 lb.)	General purpose	1800 kg/m^3 (3,033 lb./$yd.^3$)	
3.4 m^3 (4.5 cu. yd.)	1500 mm (4 ft. 11 in.)	—	5	3600 kg (7,940 lb.)	General purpose	—	

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application.
Please do not use the buckets without proper wear protection for your application.

Bucket Passes to Dump Trucks

	Truck	Nominal Payload	Bucket Capacity	Passes to Fill							
				1	2	3	4	5	6	7	8
Backhoe	**60t class truck**	53.6 tonnes (60.0 tons)	7-m^3 (9.2 cu. yd.) Bucket								
Backhoe	**100t class truck**	89.3 tonnes (100 tons)	7-m^3 (9.2 cu. yd.) Bucket								

EX1200-7


Feet
Meter
45
40
35
30
25
20
15
10
5
0
5
10
15
20
25
30
14
12
10
8
6
4
2
0
2
4
6
8
G
H
E
E'
F
A
C
B
D
100 ton class
Ground Line
14 12 10 8 6 4 2 0 Meter
50 45 40 35 30 25 20 15 10 5 0 Feet

Loading Shovel Attachments

Boom and arm are all-welded, low-stress, high-tensile strength steel fullbox section design. Efficient, automatic level crowding achieved by onelever control as the parallel link mechanism keeps the bucket digging angle constant, and level cylinder circuit maintains the bucket height constant (Auto-Leveling Crowd Mechanism).

- Dual-support-type boom/arm/bucket pin linkage
- Double lip pin seals plus O-ring at arm top

Working Ranges

Bucket capacity (heaped)		6.5 m^3 (8.5 cu. yd.)
A	Minimum digging distance	4510 mm (14 ft. 10 in.)
B	Minimum level crowding distance	6580 mm (21 ft. 7 in.)
C	Level crowding distance	4370 mm (14 ft. 4 in.)
D	Maximum digging reach	11 500 mm (37 ft. 9 in.)
E	Maximum cutting height	12 410 mm (40 ft. 9 in.)
E'	Maximum dumping height	8750 mm (28 ft. 8 in.)
F	Maximum digging depth	4780 mm (15 ft. 8 in.)
G	Working radius at maximum dumping height	6140 mm (20 ft. 2 in.)
H	Maximum bucket opening width	1880 mm (6 ft. 2 in.)
	Arm crowding force on ground	585 kN (131,616 lbf.)
	Bucket digging force	709 kN (159,394 lbf.)

Note: These buckets do not include any type of wear protection for sides, bottom, and inside the bucket. Please consult your local Hitachi dealer for a proper wear protection system for your application. Please do not use the buckets without proper wear protection for your application.

Buckets

Capacity (heaped)	Width	No. of teeth	Weight	Type	Materials density
5.9 m^3 (7.7 cu. yd.)	2510 mm (8 ft. 3 in.)	6	10 000 kg (22,046 lb.)	Bottom dump type rock bucket	1800 kg/m^3 (3,033 lb./$yd.^3$)
6.5 m^3 (8.5 cu. yd.)	2700 mm (8 ft. 10 in.)	6	9390 kg (20,701 lb.)	Bottom dump type general purpose bucket	1800 kg/m^3 (3,033 lb./$yd.^3$)

Bucket Passes to Dump Trucks

	Truck	Nominal Payload	Bucket Capacity	Passes to Fill									
				1	2	3	4	5	6	7	8	9	10
Shovel	**60t class truck**	53.6 tonnes (60 tons)	5.9-m^3 (7.7 cu. yd.) Bucket										
Shovel	**100t class truck**	89.3 tonnes (100 tons)	6.5-m^3 (8.5 cu. yd.) Bucket										

EX1200-7

Lift Capabilities — EX1200-7 BE — Unit: 1000 kg (1,000 lb.)

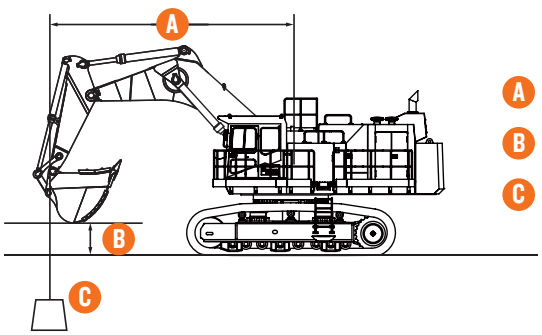
Ratings are based on SAE J1097. Lifting capacity of the EX Series does not exceed 75 percent of tipping load with the machine on firm, level ground or 87 percent full hydraulic capacity. The load point is a hook (not standard equipment) loaded on the back of the bucket. *Indicates load limited by hydraulic capacity.

Load Point Height	2.0 m (6 ft. 7 in.)		4.0 m (13 ft. 1 in.)		6 m (19 ft. 8 in.)		8 m (26 ft. 3 in.)		10 m (32 ft. 10 in.)		At maximum reach		
Horizontal Distance from Centerline of Rotation	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	meter
With 7.55-m boom, 3.4-m arm, 7-m³ bucket (SAE) and 700-mm shoes													
8 m (26 ft. 3 in.)									*16.9 (*37.3)	*16.9 (*37.3)	*6.82 (*15.04)	*6.82 (*15.04)	12.6
6 m (19 ft. 8 in.)									19.2 (42.3)	*19.7 (*43.4)	*6.89 (*15.19)	*6.89 (*43 ft.)	13.1
4 m (13 ft. 1 in.)							*26.7 (*58.9)	*26.7 (*58.9)	18.3 (40.3)	*21.3 (47)	*7.33 (*16.16)	*7.33 (*16.16)	13.3
2 m (6 ft. 7 in.)							25.9 (57.19	*30.8 (*67.9)	17.2 (37.9)	*23.1 (*50.9)	*8.19 (*18.06)	*8.19 (*18.06)	13.0
Ground Line							24.4 (53.8)	*32.9 (*72.5)	16.3 (35.9)	23.5 (51.8)	*9.66 (*21.30)	*9.66 (*21.30)	12.4
-2 m (-6 ft. 7 in.)					39.8 (87.8)	*45.3 (*99.9)	23.7 (52.2)	*32.3 (*71.2)	15.8 (34.8)	23 (50.7)			
-4 m (-13 ft. 1 in.)			*48.8 (*107.6)	*48.8 (*107.6)	*38.7 (*85.3)	*38.7 (*85.3)	23.8 (52.2)	*28.3 (*62.3)	16.1 (35.5)	*18.8 (*41.4)			
-6 m (-19 ft. 8 in.)					*26.6 (*58.6)	*26.6 (*58.6)	*17.6 (*38.8)	*17.6 (*38.8)					

Lift Capabilities — EX1200-7 STD — Unit: 1000 kg (1,000 lb.)

Ratings are based on SAE J1097. Lifting capacity of the EX Series does not exceed 75 percent of tipping load with the machine on firm, level ground or 87 percent full hydraulic capacity. The load point is a hook (not standard equipment) loaded on the back of the bucket. *Indicates load limited by hydraulic capacity.

Load Point Height	4.0 m (13 ft. 1 in.)		6.0 m (19 ft. 8 in.)		8.0 m (26 ft. 3 in.)		10.0 m (32 ft. 10 in.)		12.0 m (39 ft. 5 in.)		At maximum reach		
Horizontal Distance from Centerline of Rotation	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	meter
With 9.0-m boom, 3.6-m arm, 5.2-m³ bucket (SAE) and 700-mm shoes													
10.0 m (32 ft. 10 in.)											*10.8 (*23.8)	*10.8 (*23.8)	13.5
8 m (26 ft. 3 in.)									14.2 (31.3)	*14.9 (*32.8)	9.44 (20.81)	*10.6 (*23.4)	14.4
6 m (19 ft. 8 in.)							*17.4 (*38.4)	*17.4 (*38.4)	13.7 (30.2)	*15.4 (*34)	8.34 (18.39)	*10.8 (*23.8)	14.8
4 m (13 ft. 1 in.)					*26.2 (*57.8)	*26.2 (*57.8)	18.5 (40.8)	*19.7 (*43.4)	12.9 (28.4)	*16.4 (*36.2)	7.82 (17.24)	*11.3 (*24.9)	14.9
2 m (6 ft. 7 in.)					24.5 (54)	*30.2 (*66.6)	17 (37.5)	*22 (*48.5)	12.1 (26.7)	17.6 (38.8)	7.81 (17.22)	11.9 (26.2)	14.7
Ground Line					23.1 (50.9)	*32 (*70.5)	16 (35.3)	23.1 (50.9)	11.5 (25.4)	16.9 (37.3)	8.38 (18.47)	12.6 (27.8)	14.2
-2 m (-6 ft. 7 in.)					22.6 (49.8)	*31.6 (*69.7)	15.5 (34.2)	22.6 (49.8)	11.2 (24.7)	16.5 (36.4)	9.76 (21.52)	*13.7 (*30.2)	13.2
-4 m (-13 ft. 1 in.)	*23.3 (*51.4)	*23.3 (*51.4)	*38 (*83.8)	*38 (*83.8)	22.8 (50.3)	*29.5 (*65)	15.4 (34)	*22.4 (*49.4)	11.3 (24.9)	*16.4 (*36.2)			
-6 m (-19 ft. 8 in.)			*31.7 (*69.9)	*31.7 (*69.9)	23.4 (51.6)	*24.9 (*54.9)	16 (35.3)	*18.3 (*40.3)					



A Load radius

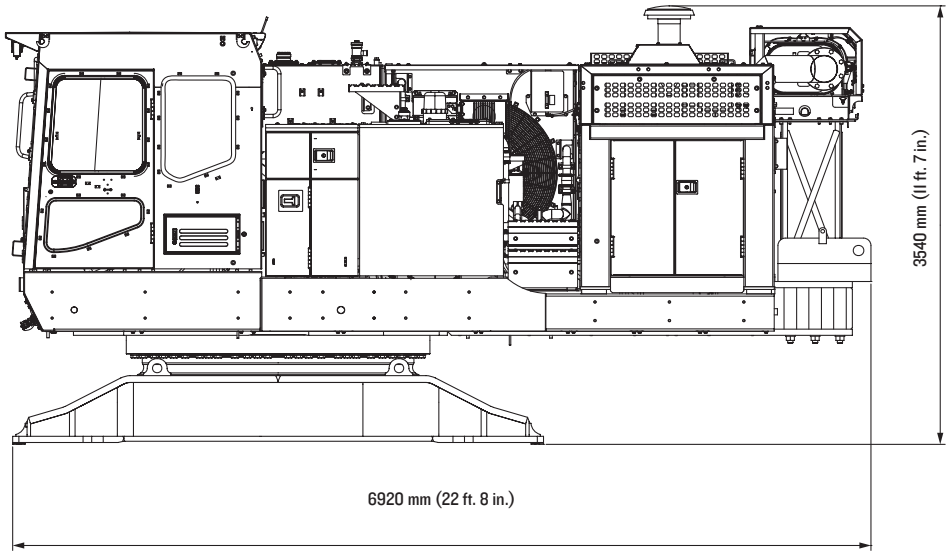
B Load point height

C Lifting capacity

Upperstructure

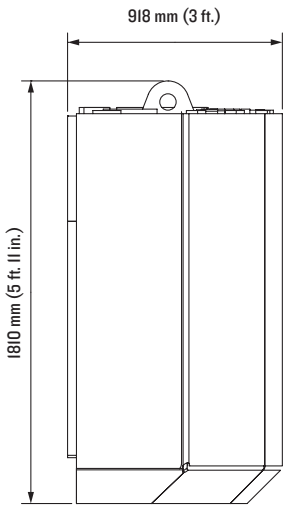
UPPERSTRUCTURE FOR BACKHOE

Weight : 39 200 kg (86,421 lb.)
Width : 3500 mm (11 ft. 6 in.)



COUNTERWEIGHT

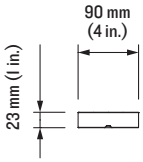
Weight : 18 000 kg (39,683 lb.)



Width : 3500 mm (11 ft. 6 in.)

WASHERS FOR COUNTERWEIGHT

Weight : 0.878 kg (2 lb.) x 10



BOLTS FOR COUNTERWEIGHT

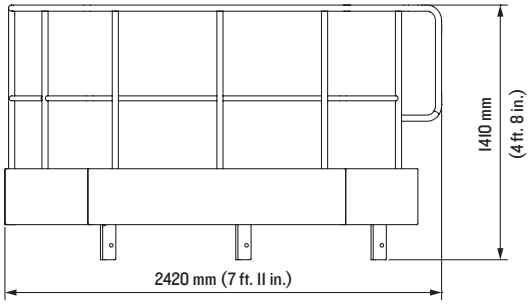
Weight : 6.24 kg (14 lb.) x 10

EX1200-7

Upperstructure (continued)

SIDE WALK FOR BACKHOE

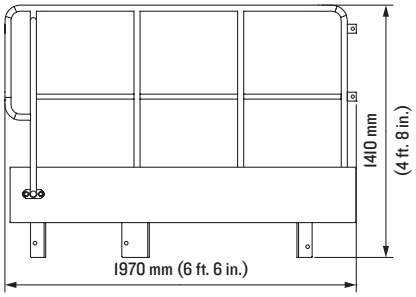
Weight : 254 kg (560 lb.)



Width : 1030 mm (3 ft. 5 in.)

SIDE WALK

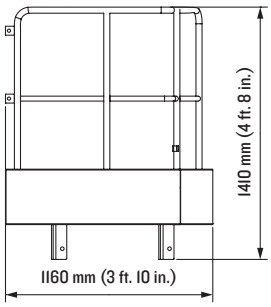
Weight : 131 kg (289 lb.)



Width : 832 mm (33 in.)

SIDE WALK

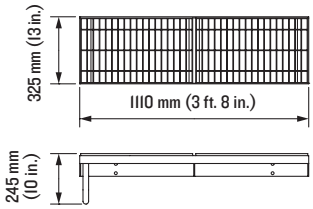
Weight : 84.6 kg (187 lb.)



Width : 625 mm (25 in.)

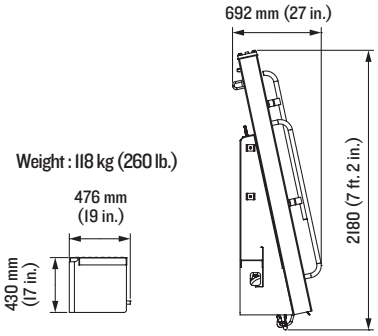
STEP

Weight : 19.5 kg (43 lb.)



SLIDE LADDER

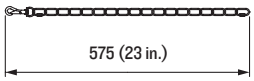
Weight : 344 kg (758 lb.)



Width : 980 mm (3 ft. 3 in.)

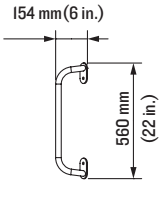
CHAIN

Weight : 0.4 kg (1 lb.)



HANDRAIL

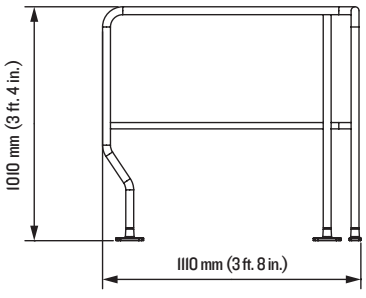
Weight : 1.55 kg (3 lb.)



Width : 43 mm (2 in.)

HANDRAIL

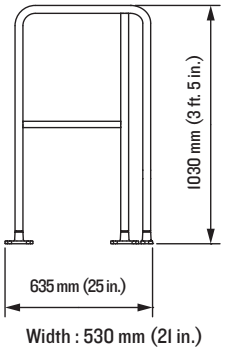
Weight : 15.8 kg (35 lb.)



Width : 577 mm (23 in.)

HANDRAIL

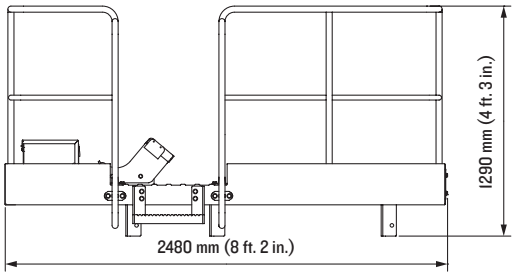
Weight : 11.9 kg (26 lb.)



Width : 530 mm (21 in.)

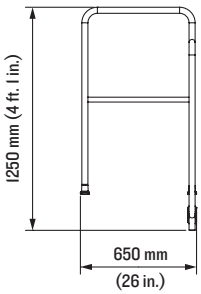
SIDE WALK

Weight : 174 kg (384 lb.)
Width : 834 mm (33 in.)



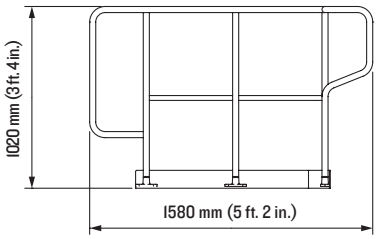
HANDRAIL

Weight : 12.3 kg (27 lb.)
Width : 267 mm (11 in.)



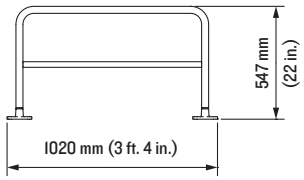
HANDRAIL

Weight : 27.7 kg (61 lb.)
Width : 637 mm (25 in.)



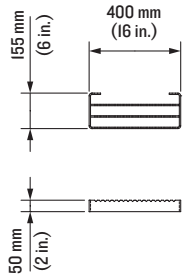
HANDRAIL

Weight : 7.35 kg (16 lb.)
Width : 50 mm (2 in.)



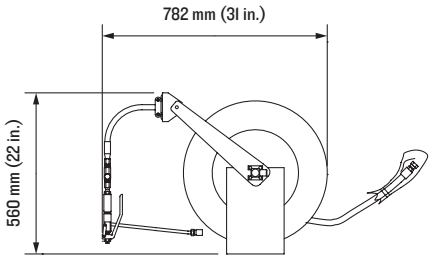
STEP

Weight : 3.58 kg (8 lb.)



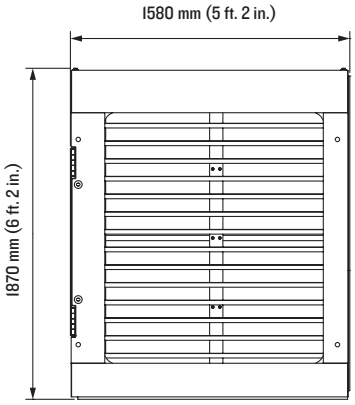
HOSE REAL

Weight : 33.8 kg (75 lb.)
Width : 265 mm (10 in.)



RADIATOR COVER

Weight : 75.6 kg (167 lb.)
Width : 75 mm (3 in.)

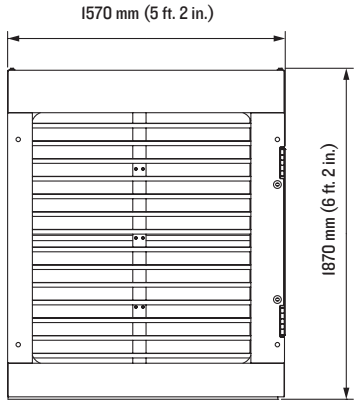


BOLT ASSEMBLY × 8

BOLT ASSEMBLY × 4

OIL COOLER COVER

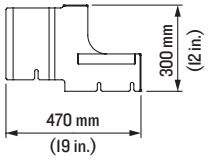
Weight : 75.4 kg (166 lb.)
Width : 75 mm (3 in.)



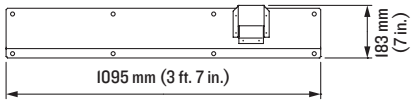
EX1200-7

Upperstructure (continued)

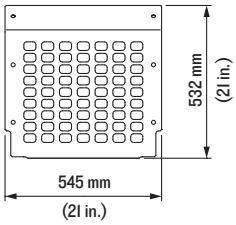
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 3.07 kg (7 lb.)
Width : 60 mm (2 in.)



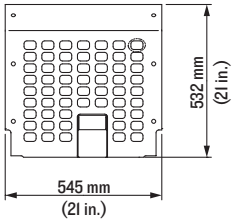
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 4.26 kg (9 lb.)
Width : 80 mm (3 in.)



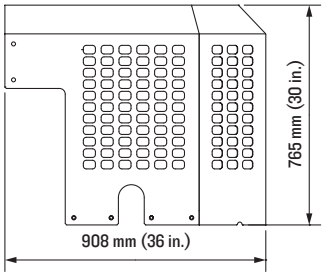
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 4.27 kg (9 lb.)
Width : 90 mm (4 in.)



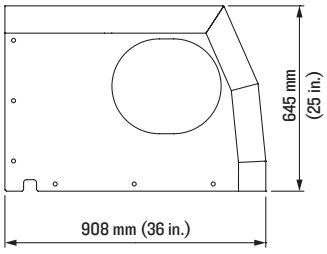
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 4.73 kg (10 lb.)
Width : 138 mm (5 in.)



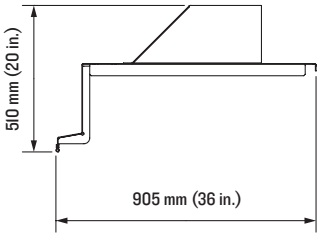
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 22.9 kg (50 lb.)
Width : 495 mm (19 in.)



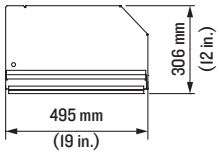
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 29.4 kg (65 lb.)
Width : 765 mm (30 in.)



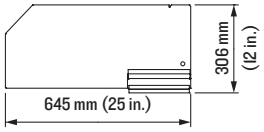
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 18.9 kg (42 lb.) x 2
Width : 545 mm (20 in.)



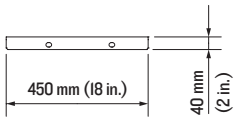
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 4.95 kg (11 lb.)
Width : 155 mm (6 in.)



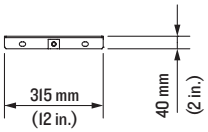
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 5.27 kg (12 lb.)
Width : 155 mm (6 in.)



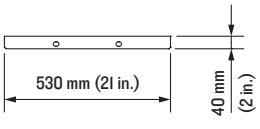
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 1.12 kg (2 lb.)
Width : 40 mm (2 in.)



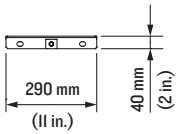
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 0.85 kg (2 lb.)
Width : 40 mm (2 in.)



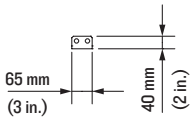
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 1.33 kg (3 lb.)
Width : 40 mm (2 in.)



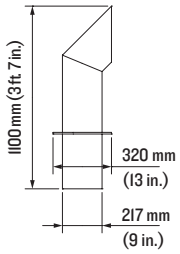
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 0.85 kg (2 lb.)
Width : 40 mm (2 in.)



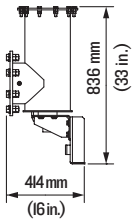
MUFFLER COVER (TIER 4 FINAL TYPE)
Weight : 0.15 kg (.5 lb.)
Width : 40 mm (2 in.)



EJECTOR
Weight : 15 kg (33 lb.)

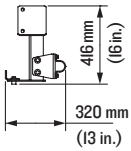


EXHAUST PIPE
Weight : 46.6 kg (103 lb.)



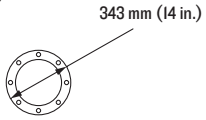
Width : 343 mm (14 in.)

EXHAUST PLUMBING FIXED BRACKET
Weight : 11.1 kg (24 lb.)

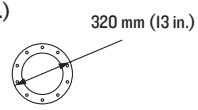


Width : 324 mm (13 in.)

GASKET
Gasket for exhaust laying pipes installation
Weight : 1.2 kg (3 lb.)

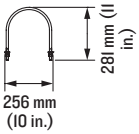


Gasket for the ejector installation
Weight : 1.2 kg (3 lb.)

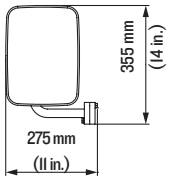


Width : 2 mm (0.1 in.)

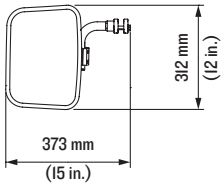
U-BOLT ASSEMBLY
Weight : 0.82 kg (2 lb.)
Width : 26 mm (1 in.)



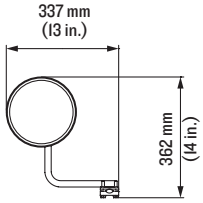
MIRROR ASSEMBLY
Weight : 2.49 kg (5 lb.)
Width : 125 mm (5 in.)



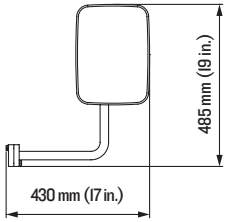
MIRROR ASSEMBLY
Weight : 2.07 kg (5 lb.)
Width : 157 mm (6 in.)



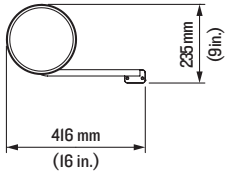
MIRROR ASSEMBLY
Weight : 1.77 kg (4 lb.)
Width : 101 mm (4 in.)



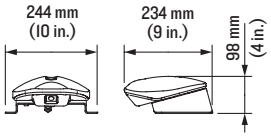
MIRROR ASSEMBLY
Weight : 2.89 kg (6 lb.)
Width : 125 mm (5 in.)



MIRROR ASSEMBLY
Weight : 1.93 kg (4 lb.)
Width : 132 mm (5 in.)



CAMERA
Weight : 2.34 kg (5 lb.)

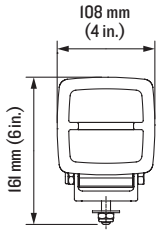


ANTENNA
Weight : 0.2 kg (0.5 lb.)

WIPER ASSEMBLY
Weight : 0.6 kg (1 lb.) x 2

LAMP ASSEMBLY
Weight : 1.0 kg (2 lb.)

LAMP ASSEMBLY
Weight : 1.1 kg (2 lb.)
Width : 87 mm (3 in.)

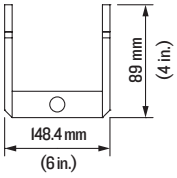


EXI200-7

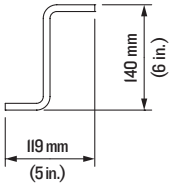
Upperstructure (continued)

REAR LIGHTS
Weight : 0.5 kg (1 lb.) x 2

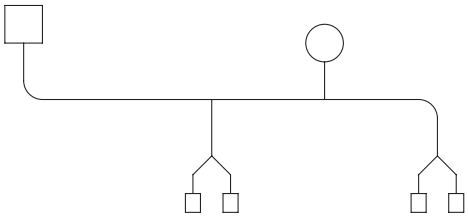
BRACKETS
Weight : 0.22 kg (0.5 lb.) x 2



BRACKETS
Weight : 1.0 kg (2 lb.) x 2

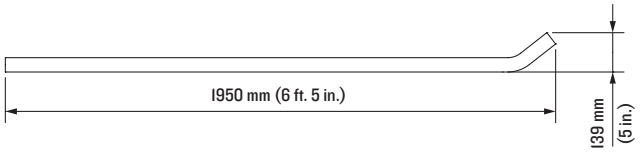


REAR CAMERA HARNESS
Weight : 1.0 kg (2 lb.)

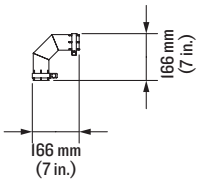


REAR CAMERA HARNESS
Weight : 0.5 kg (1 lb.)

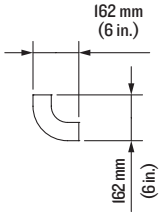
PIPE
Weight : 3.67 kg (8 lb.)
Width : 51 mm (2 in.)



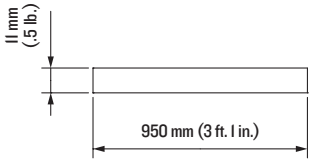
PIPE ASSEMBLY
Weight : 0.95 kg (2 lb.)
Width : 64 mm (3 in.)



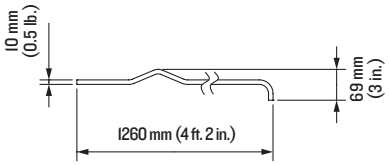
PIPE
Weight : 0.95 kg (2 lb.)
Width : 65 mm (3 in.)



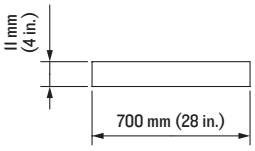
TUBE: PLASTIC



PIPE

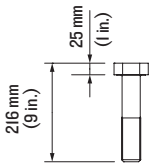


TUBE: PLASTIC

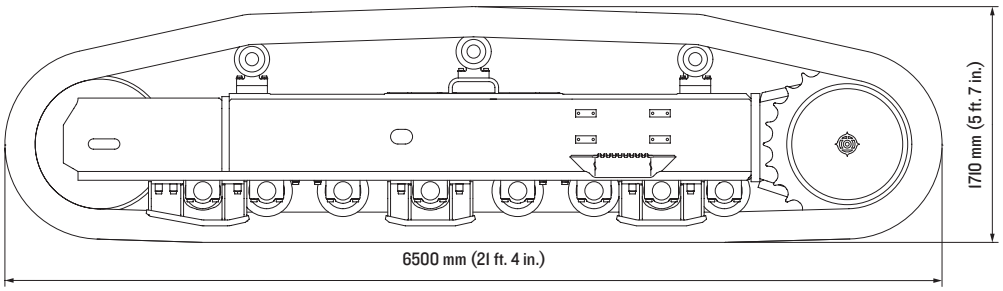


BOLTS

Weight : 2.61 kg (6 lb.) x 52



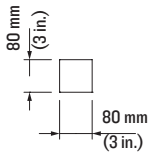
SLIDE FRAME



Shoe	Width	Weight
700 mm (27.5 in.) shoe	1010 mm (40 in.)	15 200 kg (33,510 lb.) x 2
900 mm (35.5 in.) shoe	1010 mm (40 in.)	15 900 kg (35,054 lb.) x2

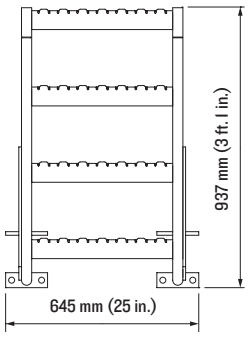
SPACERS

Weight : 2.24 kg (5 lb.) x 52



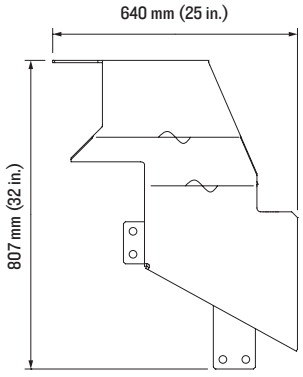
LADDER

Weight : 20.8 kg (46 lb.) (for 700 mm (28 in.) shoe) × 2
Width : 302 mm (12 in.)



TRAVEL DEVICE COVER (R) (L)

Weight : 25.0 kg (55 lb.) x 2
Width : 258 mm (10 in.)

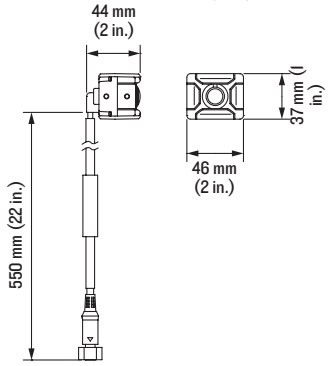


EXI200-7

Optional Aerial Angle

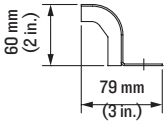
SKYANGLE CAMERAS

Weight : 0.29 kg (1 lb.) x 4



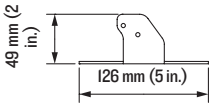
COVERS

Weight : 0.12 kg (0.5 lb.) x 4
Width : 63 mm (2 in.)



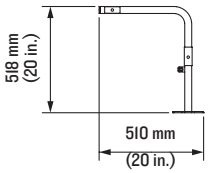
BRACKETS

Weight : 0.13 kg (0.5 lb.) x 4
Width : 51 mm (2 in.)



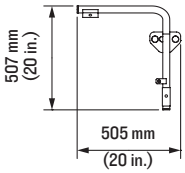
BRACKET

Weight : 3.7 kg (8 lb.)
Width : 134 mm (5 in.)



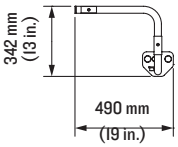
BRACKETS

Weight : 3.78 kg (8 lb.)
Width : 182 mm (7 in.)



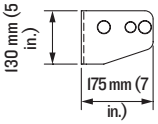
BRACKETS

Weight : 3.34 kg (7 lb.)
Width : 370 mm (15 in.)



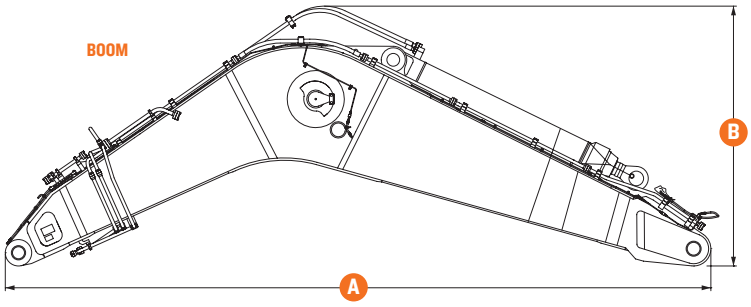
BRACKETS

Weight : 1.54 kg (3 lb.)
Width : 140 mm (6 in.)



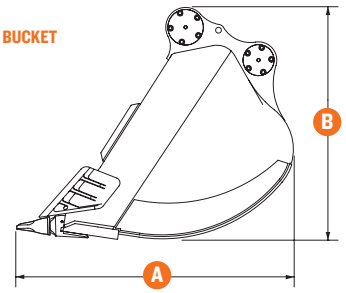
Backhoe Attachment

BOOM



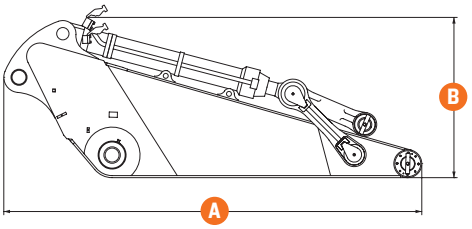
	Boom length	A	B	Width	Weight
EXI200-7	9.0 m (29 ft. 6 in.)	9410 mm (21 ft. 0 in.)	3460 mm (11 ft. 4 in.)	1590 mm (5 ft. 3 in.)	12 300 kg (27,117 lb.)
EXI200-7 BE	7.55 m (24 ft. 9 in.)	7960 mm (26 ft. 1 in.)	3450 mm (11 ft. 4 in.)	1580 mm (5 ft. 2 in.)	11 800 kg (26,015 lb.)

BUCKET



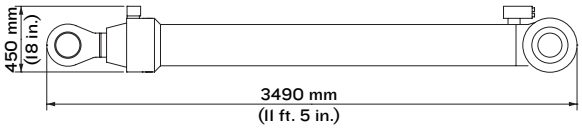
Capacity ISO 7451 (Heaped 1:1)	A	B	Width	Weight	Type
5.2 m^3 (17 ft. 1 in.)	2660 mm (8 ft. 9 in.)	2210 mm (7 ft. 3 in.)	2120 mm (6 ft. 11 in.)	4910 kg (10,825 lb.)	General purpose bucket
7.0 m^3 (23 ft.)	2820 mm (9 ft. 3 in.)	2220 mm (7 ft. 3 in.)	2400 mm (7 ft. 11 in.)	6650 kg (14,661 lb.)	General purpose bucket

ARM



BOOM CYLINDERS

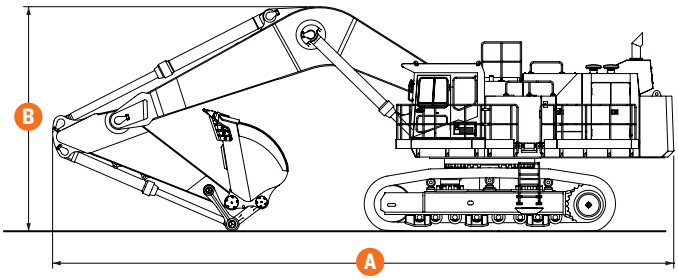
Weight: 1130 kg (2,491 lb.) x 2
Width: 356 mm (14 in.)



Arm	Arm length	A	B	Width	Weight
EXI200-7	3.6 m (11 ft. 10 in.)	5090 mm (16 ft. 8 in.)	1950 mm (6 ft. 5 in.)	1020 mm (3 ft. 4 in.)	6130 kg (13,514 lb.)
EXI200-7 BE	3.4 m (11 ft. 2 in.)	4950 mm (16 ft. 2 in.)	1990 mm (6 ft. 6 in.)	1110 mm (3 ft. 8 in.)	6750 kg (14,881 lb.)

Overall

BACKHOE

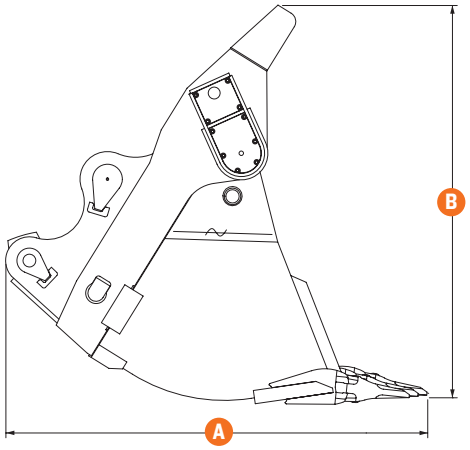


EXI200-7 (Tier 4 Final)	Boom length	Arm length	A	B	Width	Weight
EXI200-7 (Tier 4 Final)	9.0 m (29 ft. 6 in.)	3.6 m (11 ft. 10 in.)	15 970 mm (52 ft. 5 in.)	5770 mm (18 ft. 11 in.)	5430 mm (17 ft. 10 in.)	117 000 kg (257,941 lb.)
EXI200-7 BE (Tier 4 Final)	7.55 m (24 ft. 9 in.)	3.4 m (11 ft. 2 in.)	14 580 mm (47 ft. 10 in.)	5970 mm (19 ft. 7 in.)	5430 mm (17 ft. 10 in.)	119 000 kg (262,350 lb.)
EXI200-7 (FCO)	9.0 m (29 ft. 6 in.)	4.7 m (15 ft. 5 in.)	15 920 mm (52 ft. 3 in.)	5770 mm (18 ft. 11 in.)	5430 mm (17 ft. 10 in.)	115 000 kg (253,532 lb.)
EXI200-7 BE (FCO)	7.55 m (24 ft. 7 in.)	3.4 m (11 ft. 2 in.)	14 580 mm (47 ft. 10 in.)	5970 mm (19 ft. 7 in.)	5430 mm (17 ft. 10 in.)	117 000 kg (257,941 lb.)

EXI200-7

Loader Attachment

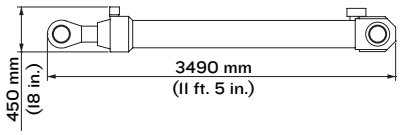
BUCKET ASSEMBLY



Bucket capacity ISO 7546 (Heaped 2:1)	A	B	Width	Weight
5.9 m^3 (7.7 cu. yd.)	2770 mm (9 ft. 1 in.)	2480 mm (8 ft. 2 in.)	2690 mm (8 ft. 10 in.)	10 000 kg (22,046 lb.)
6.5 m^3 (8.5 cu. yd.)	2770 mm (9 ft. 1 in.)	2680 mm (8 ft. 10 in.)	2890 mm (9 ft. 6 in.)	9390 kg (20,701 lb.)

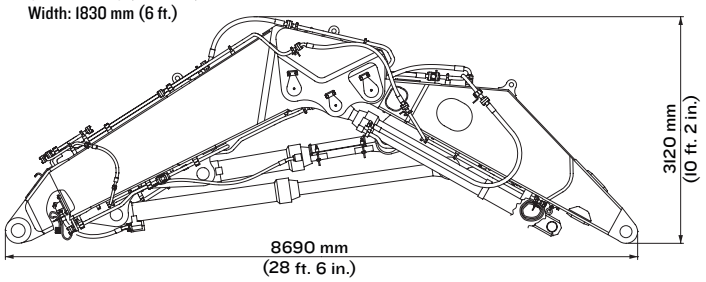
BOOM CYLINDERS

Weight: 1170 kg (2,579 lb.) x 2
Width: 536 mm (21 in.)



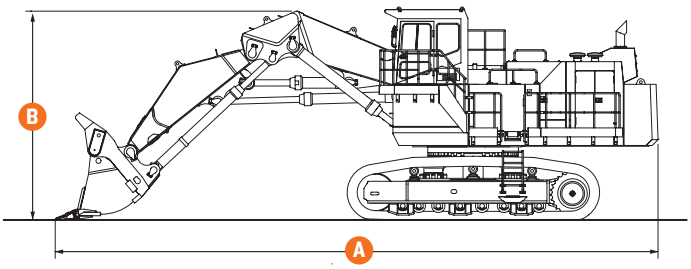
BOOM & ARM ASSEMBLY

Weight: 15 500 kg (34,172 lb.)
Width: 1830 mm (6 ft.)



Overall

LOADING SHOVEL



	A	B	Width	Weight
EXI200-7 (Tier 4 Final)	15 400 mm (50 ft. 6 in.)	5350 mm (17 ft. 7 in.)	5430 mm (17 ft. 10 in.)	118 000 kg (260,146 lb.)
EXI200-7 (FCO)	15 400 mm (50 ft. 6 in.)	5350 mm (17 ft. 7 in.)	5430 mm (17 ft. 10 in.)	117 000 kg (257,941 lb.)

EX1200-7

Key: ● Standard ▲ Optional or special kit

	Engine
●	Alternator belt auto-tensioner
●	Auto-idle system
●	Auto shut-down control
●	Cartridge-type engine oil filter
●	Cartridge-type fuel filter (Tier 4 Final only)
●	Coolant filter
●	Dry-type air filter with clean dust cup
●	Element-type fuel filter
●	ECO mode control
●	Fan guard
●	H/P mode control
●	Isolation-mounted engine
●	Overheat prevention control
●	Power mode control
●	Radiator, air cooler and oil cooler with dust protective net
●	SCR muffler (Tier 4 Final only)
●	140A alternator
	Hydraulic System
●	Auto power lift control
●	Boom mode selector system
●	Control valve with main relief valve
●	Engine speed sensing system
●	E-P control system
●	Forced-lubrication and forced cooling pump drive system
●	Full-flow filter
●	HIOS IIIB (Human & Intelligent Operation System)
●	Line filter (Delivery filter)
●	Overheat prevention control
●	Pilot filter
●	Pump drain filter
●	Power Boost Switch
●	Reverse Fan system
●	Suction filter
●	Transmission oil cooling system
	Undercarriage
●	Hydraulic (Grease) track adjuster with shock absorbing recoils spring
●	Spring-set/hydraulic-released disc type parking brake
●	Track and idler guards
●	Travel motion alarm device
●	Travel motor cover
●	700 mm (28 in.) shoe
	Upperstructure
●	Centralized lubrication system for swing bearing
●	Control valves with main relief valves and port relief valves
●	Electric grease gun with hose reel
●	Rear view camera
●	Slow return orifices and make up valves for cylinder circuits
●	Undercover
●	18 000 kg (39,683 lb.) counterweight

	Cab
●	Adjustable armrests
●	Adjustable reclining seat
●	Air suspension heated seat
●	All-weather sound-suppressed steel integrated cab
●	Ashtray
●	Auto air conditioner with defroster
●	Auto-idle switch
●	Auto-tuning AM-FM radio
●	Cigarette lighter
●	Digital clock
●	Dome light linked to door
●	Drink holder with hot and cool functions
●	Electrical horn
●	Engine control dial
●	Evacuation hammer
●	External input port (Aux terminal)
●	Floor mat
●	Footrest
●	Hot and cool box
●	Intermittent wiper interlocked with front windshield washer
●	Laminated glass windshield
●	Large storage space
●	OPG top guard level II (ISO)
●	Pilot control shut-off lever
●	Reinforced/tinted (Green color) glass side and rear windows
●	Right and left side cameras
●	Roll Screens
●	Seat belt
●	Small caddy
●	USB supply
●	12 V power supply
●	2x speakers
	Data Logging System
●	Communication system**
●	DLU (Data-logging unit) continuously records performance of the engine and the hydraulic system. The record can be down-loaded by PC.
●	GPRS communication system Satellite data transmitting system
●	WIU (Wireless Interface Unit)
	Monitor Systems
	Meters
●	Auto-idle
●	DEF level gauge (Tier 4 Final only)
●	Engine coolant temperature gauge
●	Fuel gauge
●	Hour meter
	Warning Indicators
●	Air-filter restriction
●	Alternator
●	Auto lubrication
●	DEF level (Tier 4 Final only)
●	Engine oil level
●	Engine oil pressure
●	Engine stop
●	Engine warning
●	Fuel level
●	Hydraulic oil level
●	Overheat
●	Preheat
●	Pump transmission oil pressure
●	Radiator water level

	Lights
●	1x boom light
●	1x step light
●	2x cab lights
●	2 counterweight lights
●	2x working lights
	Miscellaneous
●	Auto-lubrication system for front-attachment (except bucket arm joint part)
	BH, BE front: Except bucket arm join pin
	LD front: Include bucket arm joint pin.
●	Battery isolator switch
●	Elevated cab (for Loading Shovel)
●	ISO conforming stairs and handrails
●	Slide ladder
●	Slip resistance plate
●	Starter isolator switch
●	Wide side walk
	Optional Equipment
▲	Additional fuel filter (Parker FBO-14)
▲	Additional travel motion alarm
▲	Additional 1x boom light
▲	Additional 2x operating lights
▲	Aerial Angle
▲	Bucket auto lubrication system (BE front)
▲	CAB front guard
▲	Center track frame cover
▲	Cold weather package*
▲	Contamination sensor
▲	Electric fuel refilling pump device
▲	Fuel refilling piping
▲	Full track guard
▲	Hand rail on oil cooler, radiator, counter weight, air cleaner
▲	High altitude application
▲	High cab kit (for Backhoe)
▲	Large sized air cleaner
▲	LC side frame
▲	Marine specification
▲	Pre-cleaner, Full view type, Top spin type
▲	Sun visor
▲	Swing alarm
▲	Tool kit
▲	900 mm (35 in.) shoe

*Engineered on request
**The availability of the system depends on licensing regulations in each country.
See your Hitachi dealer for further information.

HITACHI

DKDI2007HT Litho in U.S.A. (20-07)

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