MTU
- FT4 SHOVEL: 366 000 kg (806,892 lb.)
- FT4 BACKHOE: 367 000 kg (809,097 lb.)
- FCO SHOVEL: 366 000 kg (806,892 lb.)
- FCO BACKHOE: 367 000 kg (809,097 lb.)

Bucket Capacity:
- SHOVEL (ISO HEAPED): 22 m³ (28.8 cu. yd)
- BACKHOE (ISO HEAPED): 22 m³ (28.8 cu. yd)

Operating Weight:
- CUMMINS
  - FT4 SHOVEL: 369 000 kg (813,506 lb.)
  - FT4 BACKHOE: 370 000 kg (815,710 lb.)
  - FCO SHOVEL: 365 000 kg (804,687 lb.)
  - FCO BACKHOE: 366 000 kg (806,892 lb.)
- MTU
  - FT4 SHOVEL: 366 000 kg (806,892 lb.)
  - FT4 BACKHOE: 367 000 kg (809,097 lb.)
  - FCO SHOVEL: 366 000 kg (806,892 lb.)
  - FCO BACKHOE: 367 000 kg (809,097 lb.)

Rated Power:
- CUMMINS: 1450 kW (1,944 hp)
  - MTU: 1450 kW (1,944 hp)
  - ELECTRIC: 1200 kW (1,609 hp)
UNCOMPROMISED

PRODUCTIVITY

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 EX3600-7 reduces fuel consumption by 4 percent.* Plus, it features enhanced safety and features like an improved hydraulic system, engine options and simplified maintenance.

The EX3600-7 provides

EFFICIENT
OPERATION.

*Comparison of Cummins engine configuration against the EX3600-6.
PRODUCTIVITY.

Comparison of Cummins engine configuration against the EX3600-6.
INCREASED EFFICIENCY. REDUCED CONSUMPTION.

The EX3600-7 features the latest engine and energy optimizing technologies to provide a 4 percent reduction in fuel consumption.* Additionally, this workhorse includes electronically controlled hydraulic pumps, an optimized cooling package and enhanced hydraulic circuits for a sustainable solution that doesn’t compromise performance.

This excavator gives you **FUEL-EFFICIENT 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.

**EFFICIENT ENGINE OPTIONS**
Choose from Cummins or MTU U.S. EPA Final Tier 4 (FT4) engines, and Cummins or MTU Fuel-Calibration Optimization (FCO) options for fuel-efficient operation.

*Comparison of Cummins engine configuration against the EX3600-6.
ELECTRIC MOTOR OPTION
The EX3600-7E electric excavator option with a Hitachi AC electric motor is available.
FRONT ATTACHMENT HOSES
Hitachi’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.

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.
AROUND-THE-CLOCK PRODUCTIVITY.

Equipped with more than 100 years of technological innovation from Hitachi, Ltd. group companies, our EX-7 Series 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.

When you choose the EX3600-7, NOTHING’S STOPPING YOU.

FRONT ATTACHMENT
With a front attachment design optimized for machine performance, the EX3600-7 can achieve superior productivity under various digging profiles.

The boom and arm are welded, utilizing a low stress, full-box section design to evenly distribute stress throughout the high tensile strength steel structure and provide for ease of maintenance.

SHOVEL DESIGN
The Loading Shovel attachment is equipped with an auto-leveling crowd mechanism that controls the bucket at a constant angle. The EX3600-7 now has a larger 22 m³ (28.8 cu. yd.) bucket, designed to enhance loading capability with a tilt angle that enhances operational efficiency.

SHOVEL EXCAVATING FORCE
Arm crowding force on ground
1190 kN/105 000 kgf (231,485 lbf.)

Bucket digging force
1030 kN/97 000 kgf (223,848 lbf.)

BACKHOE DESIGN
The Backhoe attachment is designed using computer aided box frame analysis to determine the optimal structure for integrity and longevity. Complete with floating pin and bush, Hitachi buckets are designed to match the geometry of the attachment to maximize productivity.

BACKHOE EXCAVATING FORCE
Arm crowding force*
951 kN/97 000 kgf (213,848 lbf.)

Bucket digging force
1050 kN/107 000 kgf (235,895 lbf.)

*Calculated value at the loading point (Cutting Edge) conforming to ISO.
At Hitachi, safety is a top priority. And the design of the EX3600-7 provides for a safety-focused machine. The EX3600-7 includes spacious walkways, improved handrails, and standard features like an on-board inclinometer and dual isolator switch.

This excavator provides advanced safety features.

**EMERGENCY STOP SWITCHES**
Seven emergency stop switches are easily accessible around the machine to improve safety. The emergency switch located in the cab has the added feature of releasing the hydraulic tank pressure when activated to reduce the parasitic pressure in the hydraulic system.

**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.

**ON-BOARD INCLINOMETER**
The on-board inclinometer offers two predetermined safety limits to assist the operator. If the first safety limit is exceeded, the operator receives a visual alert prompting 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 safe and fast route of escape when all other means of exit are blocked.

ACCESS AND WALKWAYS
Anti-slip walkways and specially designed handrails reduce the risk of tripping. Wide, low-gradient, non-slip, hydraulic folding stairs allow for easy and safe access to the machine.

PERIMETER MONITORING CAMERAS
Optional perimeter monitoring cameras offer better visibility of a surrounding area, reducing blind spots for the operator. Two cameras are located at both the front and rear of the excavator, and are linked to monitors inside the cab.
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 automatic weight-adjusting air suspension seat calculates optimal cushioning to match the operator’s weight, enhancing comfort and minimizing vibration.

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.

ELECTRONIC JOYSTICKS
Connected to the machine’s microprocessor, the integrated electronic joysticks enable precise and almost effortless operation.
Hitachi’s EX3600-7 maximizes 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 for effortless operation.

**This excavator offers MAXIMUM COMFORT.**

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**OPERATOR CABIN**
Laminated, tinted windows reduce heat and glare. The Level II Operator Protective Guard (OPG) provides secure protection from falling objects, ensuring operator safety.

**MULTI-FUNCTIONAL DISPLAY**
Fitted with an LED back-light to provide improved clarity with reduced glare and reflection, the multi-functional display provides key machine information and performance indicators through use of an integrated dial switch interface.
Hitachi’s EX-7 Series excavators are now easier and safer to maintain than ever before with an intuitive design. The EX3600-7 features a layout with open passageways and work platforms to simplify daily upkeep and major component inspections.

The EX3600-7 provides **SIMPLE SERVICING.**

**LESS MAINTENANCE. MORE UPTIME.**

**AUTO-LUBRICATING SYSTEM**
A redesigned auto-lubrication system comes with a 500 L (132 gal.) large capacity grease tank, new grease pump, in-line grease filter with breather, grease level indicator in cab and provision for fitting of a second grease pump in the lubrication tank.

**GREASE-LESS CENTER JOINT**
The redesigned center joint is self-lubricating utilizing the machine’s hydraulic oil, reducing the need for daily maintenance.

**SWING CIRCLE COVER**
A cover has been added to the outside of the swing bearing to provide protection to the lubrication piping against damage from debris.

**MAINTENANCE ACCESS**
Walkways, platforms and wide open service areas provide ease of access for daily maintenance tasks, and to engine, hydraulic and electrical components for quick and easy inspections.
CONTAMINATION SENSORS
Contamination sensors are located on all main hydraulic pumps to detect any contaminants that may cause damage to the hydraulic system. The sensors alert the operator and record the fault code in the Data Logging Unit (DLU).

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.
**TRACK SHOES**
The proven Hitachi patented track shoe design helps reduce premature wear of the drive-lugs. Each shoe is induction hardened to deliver a more durable solution.

**CENTER TRACK FRAME**
Hitachi’s exclusive center track frame delivers optimal stress dispersion through the use of specifically designed castings to reduce welds in critical high stress areas.

**TRAVEL TRANSMISSION GUARD**
An optional guard protects the travel transmission from rough operating surfaces often encountered in backhoe benching operations.

**TRACK SHOES**
The proven Hitachi patented track shoe design helps reduce premature wear of the drive-lugs. Each shoe is induction hardened to deliver a more durable solution.
The EX3600-7 is built to withstand the harshest mining conditions while delivering outstanding productivity. Advanced computer modelling, specialized forgings, and pedestal design track shoes are just some of the features that make this excavator one of the most durable machines on the market.

The EX3600-7 is built to **OUTWORK AND OUTLAST.**

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

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

**UPPER ROLLERS**
The EX3600-7 undercarriage has three double-sided pedestal-designed upper rollers on each side of the track frame to maintain track shoe clearance and provide protection from debris buildup, reducing shoe and roller wear.

**CENTER FRAME UNDERGUARD**
The optional heavy duty guard protects hoses and accumulators located in the track center frame from rocks and debris ingress, providing extra protection and reliability.
Hitachi’s EX-7 Series is loaded with intelligent features that minimize downtime and optimize excavator longevity. The EX3600-7 is designed to provide a reliable solution every hour of the day.

With the EX3600-7, you get **DEPENDABLE DESIGN.**

**ON-DEMAND PERFORMANCE.**

**RELIABLE SOLUTION.**

---

**CAB RISER PRESSURIZER**

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

**SOLID CONDUIT WIRE HARNESS**

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

**OPERATING LIGHTS**

Strategically placed long-life LED working lights provide greater longevity and reliability in night operations.
JUNCTION BOX CONNECTIONS
All junction boxes now use removable, major wire connections. If a wire harness section is damaged, it can be replaced without removing the entire wire harness, reducing maintenance time and costs.

TRAVEL MOTOR GUARD
An optional travel motor guard, now upgraded with a top cover, covers and helps protect the travel motors and hydraulic piping from tough terrain.

SWING LUBRICATION PIPING COVER
A new, standard cover protects hydraulic piping on the turn base from damage.
EX3600-7

INTELLIGENT SYSTEMS FOR RAPID RESPONSE.

Hitachi’s EX-7 Series 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 EX3600-7 helps optimize your operation.

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(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 EX3600-7 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.

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.

ANTENNA (GPRS) OR SATellite

Image used for display purposes only.
## Specifications

**EX3600-7**

### Diesel Engine

<table>
<thead>
<tr>
<th>Manufacturer and Model</th>
<th>Cummins QSKTA60-CE</th>
<th>Cummins QSKTA60-CE</th>
<th>MTU 12V 4000 C35</th>
<th>MTU 12V 4000 C33</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>4 cycle</td>
<td>4 cycle</td>
<td>4 cycle</td>
<td>4 cycle</td>
</tr>
<tr>
<td><strong>Aspiration</strong></td>
<td>Water-cooled, 16-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine</td>
<td>Water-cooled, 16-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine</td>
<td>Water-cooled, 12-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine, Miller cycle, Cooled EGR</td>
<td>Water-cooled, 12-cylinder, turbocharged and aftercooled, direct-injection chamber-type diesel engine</td>
</tr>
<tr>
<td><strong>Emission certification</strong></td>
<td>U.S. EPA Tier 4 Final</td>
<td>U.S. EPA Tier 4 Final</td>
<td>Fuel consumption optimized</td>
<td>Fuel consumption optimized</td>
</tr>
<tr>
<td><strong>Rated power</strong></td>
<td>Gross (ISO 14396)</td>
<td>High (ISO 14396)</td>
<td>High (ISO 14396)</td>
<td>High (ISO 14396)</td>
</tr>
<tr>
<td></td>
<td>1450 kW (1,944 hp)</td>
<td>1450 kW (1,944 hp)</td>
<td>1500 kW (1,944 hp)</td>
<td>1450 kW (1,944 hp)</td>
</tr>
<tr>
<td></td>
<td>@ 1800 min⁻¹ (rpm)</td>
<td>@ 1800 min⁻¹ (rpm)</td>
<td>@ 1800 min⁻¹ (rpm)</td>
<td>@ 1800 min⁻¹ (rpm)</td>
</tr>
<tr>
<td><strong>Maximum torque</strong></td>
<td>8364 Nm (853 kgf-m)</td>
<td>8364 Nm (853 kgf-m)</td>
<td>9588 Nm (978 kgf-m)</td>
<td>9231 Nm (941 kgf-m)</td>
</tr>
<tr>
<td></td>
<td>@ 1500 min⁻¹ (rpm)</td>
<td>@ 1500 min⁻¹ (rpm)</td>
<td>@ 1500 min⁻¹ (rpm)</td>
<td>@ 1500 min⁻¹ (rpm)</td>
</tr>
<tr>
<td><strong>Piston displacement</strong></td>
<td>60 L (3.661 cu. in.)</td>
<td>60 L (3.661 cu. in.)</td>
<td>57.2 L (3.491 cu. in.)</td>
<td>57.2 L (3.491 cu. in.)</td>
</tr>
<tr>
<td><strong>Bore and stroke</strong></td>
<td>159 mm x 190 mm (6.3 in. x 7.5 in.)</td>
<td>159 mm x 190 mm (6.3 in. x 7.5 in.)</td>
<td>170 mm x 210 mm (6.7 in. x 8.3)</td>
<td>170 mm x 210 mm (6.7 in. x 8.3)</td>
</tr>
<tr>
<td><strong>Starting system</strong></td>
<td>24 V electric motor</td>
<td>24 V electric motor</td>
<td>24 V electric motor</td>
<td>24 V electric motor</td>
</tr>
<tr>
<td><strong>Batteries</strong></td>
<td>4 x 12 V, 4 x 185 AH</td>
<td>4 x 12 V, 4 x 185 AH</td>
<td>4 x 12 V, 4 x 185 AH</td>
<td>4 x 12 V, 4 x 185 AH</td>
</tr>
</tbody>
</table>

### 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 Control)**
  - Main pumps regulated by electric engine speed sensing control system.
- **Optimum Hydraulic System (OHS)**
  - Four tandem-axial piston pump groups (eight pumps in total), supply a four-valve hydraulic system enabling both independent and combined operations of all functions.
- **Additional Features**
  - Fuel-saving Pump System (FPS) minimizes energy loss with superior performance in fine control
  - Auto-idle system saves fuel and reduces noise
  - Hydraulic drive cooling-fan system for oil cooler
  - Hydraulic drive cooling-fan system for radiator
  - Forced-lubrication and forced-cooling pump drive system
  - Regeneration circuit for boom down

### Main Pumps

- 8 variable-displacement, axial piston pumps for front attachment, travel and swing

### Pilot Pump

- **Gear pump**
- **Maximum oil flow** 8 x 500 L/min (8 x 132 gal./min.)

### Relief Valve Settings

- **Implement circuit** 29.4 MPa (300 kgf/cm²) (4,264 psi)
- **Travel circuit** 29.4 MPa (300 kgf/cm²) (4,264 psi)
- **Swing circuit** 29.4 MPa (300 kgf/cm²) (4,264 psi)
- **Pilot circuit** 4.0 MPa (41 kgf/cm²) (580 psi)

### Hydraulic Cylinders

High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket and dump cylinders.

Bucket cylinders of loading shovel are provided with protector.
Controls

Two Implement Levers
Electric joystick control levers. Right lever is for boom and bucket control, left lever for swing and arm control.

Two Travel Levers with Pedals
Remote-controlled hydraulic servo system. Independent drive at each track allows counter rotation of tracks.

Cylinder Dimensions (Backhoe)

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore</th>
<th>Rod Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>2</td>
<td>360 mm (14.2 in.)</td>
</tr>
<tr>
<td>Arm</td>
<td>2</td>
<td>300 mm (11.8 in.)</td>
</tr>
<tr>
<td>Bucket</td>
<td>2</td>
<td>250 mm (9.8 in.)</td>
</tr>
</tbody>
</table>

Cylinder Dimensions (Loading Shovel)

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Bore</th>
<th>Rod Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom</td>
<td>2</td>
<td>360 mm (14.2 in.)</td>
</tr>
<tr>
<td>Arm</td>
<td>1</td>
<td>300 mm (11.8 in.)</td>
</tr>
<tr>
<td>Bucket</td>
<td>2</td>
<td>280 mm (11 in.)</td>
</tr>
<tr>
<td>Dump</td>
<td>2</td>
<td>225 mm (8.9 in.)</td>
</tr>
<tr>
<td>Level</td>
<td>1</td>
<td>360 mm (14.2 in.)</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Filter</th>
<th>Bore</th>
<th>Rod Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Full-flow filter</td>
<td>10 µm</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>High-pressure strainer</td>
<td>120 µm</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Drain filter</td>
<td>10 µm</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Bypass filter</td>
<td>5 µm</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Pilot filter</td>
<td>10 µm</td>
<td></td>
</tr>
</tbody>
</table>

Diesel Engine Controls
## 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 layout of deck machinery. Sidewalks provide easy access to engine, hydraulic and electrical components. ISO-met stairs and handrails. Sidewalks and stairs are provided with skid-resistant plates.

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Diesel Engine</td>
</tr>
<tr>
<td>2</td>
<td>Engine Radiator x2</td>
</tr>
<tr>
<td>3</td>
<td>LTA Radiator x2</td>
</tr>
<tr>
<td>4</td>
<td>Radiator Fan Motor x4</td>
</tr>
<tr>
<td>5</td>
<td>Reserve Tank (Coolant)</td>
</tr>
<tr>
<td>6</td>
<td>Air Filter (Outer / Inner) x4</td>
</tr>
<tr>
<td>7</td>
<td>Muffler x2</td>
</tr>
<tr>
<td>8</td>
<td>Pump Drive Unit</td>
</tr>
<tr>
<td>9</td>
<td>Hydraulic Pump x10</td>
</tr>
<tr>
<td>10</td>
<td>High Pressure Strainer x8</td>
</tr>
<tr>
<td>11</td>
<td>Control Valve x4</td>
</tr>
<tr>
<td>12</td>
<td>Hydraulic Oil Cooler x3</td>
</tr>
<tr>
<td>13</td>
<td>Hydraulic Oil Cooler Fan Motor x2</td>
</tr>
<tr>
<td>14</td>
<td>Hydraulic Tank</td>
</tr>
<tr>
<td>15</td>
<td>Fuel Tank</td>
</tr>
<tr>
<td>16</td>
<td>Fuel Filter</td>
</tr>
<tr>
<td>17</td>
<td>DEF Tank (Only for Cummins Tier4F)</td>
</tr>
<tr>
<td>18</td>
<td>Pump Transmission Oil Cooler</td>
</tr>
<tr>
<td>19</td>
<td>Fuel Cooler</td>
</tr>
<tr>
<td>20</td>
<td>Pump Transmission Oil &amp; Fuel Cooler Fan Motor</td>
</tr>
<tr>
<td>21</td>
<td>Engine Room Ventilation Fan Motor</td>
</tr>
<tr>
<td>22</td>
<td>Center Joint</td>
</tr>
<tr>
<td>23</td>
<td>Swing Device x4</td>
</tr>
<tr>
<td>24</td>
<td>Lubricator</td>
</tr>
<tr>
<td>25</td>
<td>Cab</td>
</tr>
<tr>
<td>26</td>
<td>Battery x4</td>
</tr>
<tr>
<td>27</td>
<td>Isolation Switch Box</td>
</tr>
<tr>
<td>28</td>
<td>Folding Stairs</td>
</tr>
<tr>
<td>29</td>
<td>Ladder</td>
</tr>
<tr>
<td>30</td>
<td>Engine-Pump Bulkhead</td>
</tr>
<tr>
<td>31</td>
<td>Engine-Radiator Bulkhead</td>
</tr>
<tr>
<td>32</td>
<td>Emergency Escape Chute</td>
</tr>
</tbody>
</table>
Swing Device

Four high-torque, axial-piston motors with two-stage planetary gear bathed in oil. Swing circle with dirt seals is a heavy-duty, triple-row cylindrical roller bearing. Induction-hardened internal swing circle gear and pinion immersed in lubricant. Parking brake of springset/hydraulic-released disc type. This parking brake is manually releasable.

Swing speed 3.2 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. 1800-mm (5 ft. 11 in.) width, 2150-mm (7 ft. 1 in.) height, roomy 7.5-m³ (9.8 cu. yd.) cab with tinted-glass windows features all-around visibility. Air-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. Three air conditioner system.

Noise level 72 dB(A) in the cab at maximum engine speed under no-load condition

Eye-level height 6760 mm (22 ft. 2 in.)

Undercarriage

Tracks

Shovel-Type Undercarriage

Triple grouser track shoes of induction-hardened cast steel
Shoe width I270 mm (50 in.)

Number of Rollers and Shoes (each side)
Upper rollers 3
Lower rollers 8
Track shoes 38

Travel Device

Each track driven by high-torque, axial piston motors, allowing counter rotation of tracks. Two-stage planetary gear plus spur gears reduction device. Dual-support-type traction device. Parking brake of springset/hydraulic-released disc type. This parking brake is manually releasable.

Travel speeds Low: 0-1.7 km/h (0-1.1 mph)
High: 0-2.2 km/h (0-1.4 mph)

Maximum traction force 1760 kN/179 500 kgf (395,730 lbf.)

Gradeability 58% (30°) maximum

Weights and Ground Pressure

Loading Shovel
Equipped with 22-m³ (28.8 cu. yd.) (ISO heaped) bottom-dump bucket. Ground pressures are based on ISO 16754.

Cummins Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Emmission Certification</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>I270 mm (50 in.)</td>
<td>FCO</td>
<td>365 000 kg (804,687 lb.)</td>
<td>191 kPa (1.95 kgf/cm²) (27.7 psi)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4F</td>
<td>369 000 kg (813,506 lb.)</td>
<td>193 kPa (1.97 kgf/cm²) (28 psi)</td>
</tr>
</tbody>
</table>

MTU Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Emmission Certification</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>I270 mm (50 in.)</td>
<td>FCO</td>
<td>366 000 kg (806,892 lb.)</td>
<td>192 kPa (1.96 kgf/cm²) (27.8 psi)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4F</td>
<td>366 000 kg (806,892 lb.)</td>
<td>192 kPa (1.96 kgf/cm²) (27.8 psi)</td>
</tr>
</tbody>
</table>

Backhoe

Equipped with 9.6-m (31 ft. 6 in.) BE boom, 4.5-m (14 ft. 9 in.) BE arm, and 22-m³ (28.8 cu. yd.) (ISO heaped) bucket. Ground pressures are based on ISO 16754.

Cummins Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Emmission Certification</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>I270 mm (50 in.)</td>
<td>FCO</td>
<td>366 000 kg (806,892 lb.)</td>
<td>192 kPa (1.96 kgf/cm²) (27.8 psi)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4F</td>
<td>370 000 kg (815,710 lb.)</td>
<td>194 kPa (1.98 kgf/cm²) (28.1 psi)</td>
</tr>
</tbody>
</table>

MTU Engine

<table>
<thead>
<tr>
<th>Shoe Type</th>
<th>Shoe Width</th>
<th>Emmission Certification</th>
<th>Operating Weight</th>
<th>Ground Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triple Grousers</td>
<td>I270 mm (50 in.)</td>
<td>FCO</td>
<td>367 000 kg (809,097 lb.)</td>
<td>192 kPa (1.96 kgf/cm²) (27.8 psi)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>T4F</td>
<td>367 000 kg (809,097 lb.)</td>
<td>192 kPa (1.96 kgf/cm²) (27.8 psi)</td>
</tr>
</tbody>
</table>

Service Refill Capabilities

<table>
<thead>
<tr>
<th>Cummins Engine</th>
<th>MTU Engine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cummins Engine</td>
<td>MTU Engine</td>
</tr>
<tr>
<td>Fuel tank 7450 L (1,968 gal.)</td>
<td>7450 L (1,968 gal.)</td>
</tr>
<tr>
<td>Engine coolant (T4F/FCO) 61L (161 gal.) / 593 L (156 gal.)</td>
<td>708 L (187 gal.) / 678 L (179 gal.)</td>
</tr>
<tr>
<td>Engine oil pan 360 L (95 gal.)</td>
<td>290 L (76 gal.)</td>
</tr>
<tr>
<td>Pump transmission device 62 L (16 gal.)</td>
<td>62 L (16 gal.)</td>
</tr>
<tr>
<td>Swing device 4 x 75 L (4 x 20 gal.)</td>
<td>4 x 75 L (4 x 20 gal.)</td>
</tr>
<tr>
<td>Travel device 2 x 220 L (2 x 58 gal.)</td>
<td>2 x 220 L (2 x 58 gal.)</td>
</tr>
<tr>
<td>Hydraulic system 4000 L (1,057 gal.)</td>
<td>4000 L (1,057 gal.)</td>
</tr>
<tr>
<td>Hydraulic oil tank 1900 L (502 gal.)</td>
<td>1900 L (502 gal.)</td>
</tr>
<tr>
<td>Grease tank 500 L (132 gal.)</td>
<td>500 L (132 gal.)</td>
</tr>
<tr>
<td>DEF tank (only Tier 4 final specification) 475 L (125 gal.)</td>
<td>475 L (125 gal.)</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

**EX3600-7**

**Bucket**

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design. Bottom dump type general purpose bucket.

<table>
<thead>
<tr>
<th>Capacity (ISO 7456 heaped 2:1)</th>
<th>Weight</th>
<th>Type</th>
<th>Materials density</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 m³ (28.8 cu. yd.)</td>
<td>29 300 kg (64,995 lbf.)</td>
<td>Bottom-dump-type general purpose</td>
<td>1800 kg/m³ (3,034 lb./cu. yd.) or less</td>
</tr>
</tbody>
</table>

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.

**Loading Shovel Attachment**

EX3600-7

**Bucket Passes to Dump Trucks**

<table>
<thead>
<tr>
<th>Truck</th>
<th>Nominal Payload</th>
<th>Bucket Capacity</th>
<th>Passes to Fill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shovel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH3500AC-3</td>
<td>181 tonnes (200 tons)</td>
<td>22 m³ (28.8 cu. yd.)</td>
<td>Bucket</td>
</tr>
<tr>
<td>Shovel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EH4000AC-3</td>
<td>221 tonnes (243.6 tons)</td>
<td>22 m³ (28.8 cu. yd.)</td>
<td>Bucket</td>
</tr>
</tbody>
</table>

**Working Ranges**

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design. Efficient, automatic level crowding achieved by one-lever 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). Auto-lubrication system for all pins is standard.

<table>
<thead>
<tr>
<th>Bucket Capacity (ISO 7456 heaped 2:1)</th>
<th>Width</th>
<th>Number of Teeth</th>
<th>Weight</th>
<th>Type</th>
<th>Materials density</th>
</tr>
</thead>
<tbody>
<tr>
<td>22 m³ (28.8 cu. yd.)</td>
<td>4200 mm (13 ft. 9 in.)</td>
<td>5</td>
<td>29 300 kg (64,995 lbf.)</td>
<td>Bottom-dump-type general purpose</td>
<td>1800 kg/m³ (3,034 lb./cu. yd.) or less</td>
</tr>
</tbody>
</table>

Please do not use the buckets without proper wear protection for your application.
Bucket and Boom and arm are of all-welded, low-stress, full-box section design. Bucket of all-welded, high-strength steel structure. Bucket/arm joint pins are floating type. Replaceable thrust plates are provided with bucket/arm joint part. Auto-lubrication system for all pins is standard.

Bucket capacity (SAE heaped 1:1):
- 22 m³ (28.8 cu. yd.)

Number of Teeth:
- 3

Weight:
- 22 400 kg (49,925 lb.)

Type:
- General purpose

Materials density:
- 1800 kg/m³

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 digging force:
- ISO 1050 kN / 107 000 kgf (235,895 lbf.)

Arm crowding force:
- ISO 951 kN / 97 000 kgf (213,848 lbf.)

*This is the calculated value at the loading point (Cutting Edge) conforming to ISO.

Bucket Passes to Dump Trucks

<table>
<thead>
<tr>
<th>Truck</th>
<th>Nominal Payload</th>
<th>Bucket Capacity</th>
<th>Passes to Fill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Backhoe</td>
<td>EH3500AC-3</td>
<td>22 m³ (28.8 cu. yd.)</td>
<td>1, 2, 3, 4, 5, 6, 7, 8</td>
</tr>
<tr>
<td>Backhoe</td>
<td>EH4000AC-3</td>
<td>22 m³ (28.8 cu. yd.)</td>
<td>1, 2, 3, 4, 5, 6, 7, 8</td>
</tr>
</tbody>
</table>
TRANSPORTATION

EX3600-7

Upperstructure

**CAB ASSEMBLY**
Weight: 1800 kg (3,968 lb.)
Width: 2828 mm (9 ft. 3 in.)

**CAB BED ASSEMBLY (L)**
Weight: 10 300 kg (22,708 lb.)
Width: 3179 mm (10 ft. 5 in.)

**STEP**
Weight: 74 kg (163 lb.)
Width: 620 mm (24 in.)

**STEP**
Weight: 65 kg (143 lb.)
Width: 620 mm (24 in.)

**STEP**
Weight: 49 kg (108 lb.)
Width: 407 mm (16 in.)

**STEP**
Weight: 131 kg (289 lb.)
Width: 721 mm (28 in.)

**STEP**
Weight: 42 kg (93 lb.)
Width: 281 mm (11 in.)

**STEP**
Weight: 203 kg (448 lb.)
Width: 1328 mm (4 ft. 4 in.)

**STEP**
Weight: 177 kg (386 lb.)
Width: 1540 mm (5 ft. 1 in.)

**ESCAPE DEVICE**
Weight: 192 kg (423 lb.)
Width: 895 mm (35 in.)

**STAY**
Weight: 21 kg x 2 (46 lb. x 2)
Width: 1220 mm (4 ft.)

**FENDER**
Weight: 428 kg (944 lb.)
Width: 1836 mm (6 ft. 0 in.)

**FENDER**
Weight: 303 kg (668 lb.)
Width: 1540 mm (5 ft. 1 in.)

**HANDRAIL**
Weight: 32 kg (71 lb.)
Width: 1821 mm (6 ft.)

**HANDRAIL**
Weight: 35 kg (77 lb.)
Width: 1817 mm (6 ft.)

**STEP**
Weight: 42 kg (93 lb.)
Width: 281 mm (11 in.)

**STOPPER**
Weight: 14 kg (31 lb.)
Width: 913 mm (3 ft.)
**Transportation**

**EX3600-7**

**Upper Structure**

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Grease Tank Assembly</strong></td>
<td>401 kg (884 lb.)</td>
<td>Width: 877 mm (35 in.)</td>
</tr>
<tr>
<td><strong>Fender</strong></td>
<td>246 kg (542 lb.)</td>
<td>Width: 760 mm (30 in.)</td>
</tr>
<tr>
<td><strong>Fender</strong></td>
<td>210 kg (463 lb.)</td>
<td>Width: 685 mm (27 in.)</td>
</tr>
<tr>
<td><strong>Fender</strong></td>
<td>174 kg (384 lb.)</td>
<td>Width: 702 mm (29 in.)</td>
</tr>
<tr>
<td><strong>Fender</strong></td>
<td>238 kg (525 lb.)</td>
<td>Width: 864 mm (34 in.)</td>
</tr>
<tr>
<td><strong>Handrail</strong></td>
<td>44 kg (97 lb.)</td>
<td>Width: 292 mm (12 in.)</td>
</tr>
<tr>
<td><strong>Handrail</strong></td>
<td>20 kg (44 lb.)</td>
<td>Width: 100 mm (4 in.)</td>
</tr>
<tr>
<td><strong>Handrail</strong></td>
<td>17 kg (38 lb.)</td>
<td>Width: 266 mm (10 in.)</td>
</tr>
<tr>
<td><strong>Handrail</strong></td>
<td>23 kg (51 lb.)</td>
<td>Width: 801 mm (2 ft. 8 in.)</td>
</tr>
<tr>
<td><strong>Step</strong></td>
<td>39 kg (86 lb.)</td>
<td>Width: 400</td>
</tr>
<tr>
<td><strong>Handrail</strong></td>
<td>27 kg (60 lb.)</td>
<td>Width: 274</td>
</tr>
<tr>
<td><strong>Handrail</strong></td>
<td>25 kg (55 lb.)</td>
<td>Width: 261</td>
</tr>
<tr>
<td><strong>Step Assembly</strong></td>
<td>42 kg (93 lb.)</td>
<td>Width: 368 mm (1 ft. 5 in.)</td>
</tr>
<tr>
<td><strong>Engine Unit</strong></td>
<td>27 400 kg (60,407 lb.)</td>
<td>Width: 2744 mm (9 ft.)</td>
</tr>
<tr>
<td><strong>Door</strong></td>
<td>30 kg (66 lb.)</td>
<td>Width: 74 mm (3 in.)</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS**

**EX3600-7**

**WATER TANK**
- Weight: 299 kg (659 lb.)

**BOLT ASSEMBLY**
- Weight: 31 kg x 8 (68 lb. x 8)

**UREA PUMP**
- Weight: 34 kg (75 lb.)

**STEP**
- Weight: 15 kg (33 lb.)

**STOPPER**
- Weight: 5 kg x 2 (11 lb. x 2)

**STOPPER**
- Weight: 9 kg x 2 (20 lb. x 2)

**SUCTION MANIFOLD**
- Weight: 422 kg (930 lb.)

**UREA TANK**
- Weight: 484 kg (1,067 lb.)

**BOX ASSEMBLY**
- Weight: 837 kg (1,845 lb.)

**HANDRAIL**
- Weight: 24 kg (53 lb.)

**STEP ASSEMBLY**
- Weight: 773 kg (1,704 lb.)

**WATER TANK**
- Weight: 299 kg (659 lb.)

**STEP**
- Weight: 15 kg (33 lb.)

**UREA PUMP**
- Weight: 34 kg (75 lb.)

**BOLT ASSEMBLY**
- Weight: 31 kg x 8 (68 lb. x 8)

**STOPPER**
- Weight: 5 kg x 2 (11 lb. x 2)

**STOPPER**
- Weight: 9 kg x 2 (20 lb. x 2)
**Upperstructure**

**TRACK FRAME**
Weight: 32300 kg (71,209 lb.)

**SIDE FRAME**
Weight: 28600 kg x 2 (63,052 lb. x 2)

**LINK ASSEMBLY**
Weight: 5100 kg (11,244 lb.)

**LINK ASSEMBLY**
Weight: 4600 kg (10,141 lb.)

**COVER**
Weight: 29 kg (64 lb.)

**COVER**
Weight: 29 kg (64 lb.)

**COVER**
Weight: 12 kg x 2 (26 lb. x 2)

**Width**
- 3982 mm (13 ft. 1 in.)
- 3992 mm (13 ft. 1 in.)
- 2315 mm (7 ft. 7 in.)
- 1780 mm (5 ft. 10 in.)
- 1836 mm (6 ft.)
- 5136 mm (16 ft. 10 in.)
- 4639 mm (15 ft. 3 in.)
- 536 mm (18 in.)
- 445 mm (18 in.)
- 466 mm (18 in.)
- 330 mm (13 in.)
- 330 mm (13 in.)
- 32 mm

**Width**
- 400 mm (16 in.)
- 400 mm (16 in.)
- 400 mm (16 in.)
- 400 mm (16 in.)
- 400 mm (16 in.)

**Width**
- 205 mm (8 in.)
- 205 mm (8 in.)
- 189 mm (7 in.)
- 205 mm (8 in.)
- 205 mm (8 in.)
- 205 mm (8 in.)
- 205 mm (8 in.)

**Width**
- 1270 mm (4 ft. 2 in.)
- 1270 mm (4 ft. 2 in.)

**Width**
- 612.0 mm (24 in.)
- 612.0 mm (24 in.)
- 792.0 mm (31 in.)
- 792.0 mm (31 in.)
**BOOM CYLINDERS**
Weight: 4500 kg x 2 (9,921 lb. x 2)

**ARM CYLINDER**
Weight: 2720 kg (5,997 lb.)

**BUCKET CYLINDERS**
Weight: 2,420 kg x 2

**REAR BUCKET**
Weight: 14,600 kg (32,408 lb.)

**FRONT BUCKET**
Weight: 14,700 kg (32,408 lb.)

**TOOTH**
Weight: 96 kg x 5 (212 lb. x 5)

**BOOM**
Weight: 27,040 kg (59,613 lb.)

**ARM**
Weight: 13,340 kg (29,410 lb.)

**WIDTHS**
- Boon: 2570 mm (8 ft. 5 in.)
- Arm: 2570 mm (8 ft. 5 in.)
- Bucket: 2895 mm (9 ft. 6 in.)
- Tooth: 3320 mm (10 ft. 11 in.)
- 701 mm (28 in.)
- 483 mm (19 in.)
- 3500 mm (11 ft. 6 in.)
- 1859 mm (6 ft. 1 in.)
- 2955 mm (9 ft. 8 in.)
- 645 mm (25 in.)
- 292 mm (11 in.)
# EX3600-7 Specifications

## EX3600-7 BE

**Load Point Height**

<table>
<thead>
<tr>
<th>Height (m)</th>
<th>Front Load Radius</th>
<th>Side Load Radius</th>
<th>Front Load Point Height</th>
<th>Side Load Point Height</th>
<th>Lifting Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 m (26 ft. 3 in.)</td>
<td><em>28.6</em></td>
<td><em>28.6</em></td>
<td><em>28.7</em></td>
<td><em>28.7</em></td>
<td><em>21.9</em></td>
</tr>
<tr>
<td>10 m (32 ft. 10 in.)</td>
<td><em>27.8</em></td>
<td><em>27.8</em></td>
<td><em>23.7</em></td>
<td><em>23.7</em></td>
<td><em>19.4</em></td>
</tr>
<tr>
<td>12 m (39 ft. 4 in.)</td>
<td><em>27.3</em></td>
<td><em>27.3</em></td>
<td><em>16.5</em></td>
<td><em>16.5</em></td>
<td><em>17.3</em></td>
</tr>
<tr>
<td>13 m (42 ft. 8 in.)</td>
<td><em>25.9</em></td>
<td><em>25.9</em></td>
<td><em>16.0</em></td>
<td><em>16.0</em></td>
<td><em>17.3</em></td>
</tr>
</tbody>
</table>

*Numbers indicate stability-limited capacities, in kg. The load point is a hook (not standard equipment) loaded on the back of the bucket.*

Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity. Ratings are based on SAE J1097.

---

**Diagram**

- **A** Load radius
- **B** Load point height
- **C** Lifting capacity
### Engine
- Auto-idle system
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Emergency engine stop system
- Engine room cooling fan
- Fan guard
- Heavy-duty type air cleaner with dust ejector
- Hydraulic drive cooling-fan system
- Isolation-mounted engine
- Pre-lubrication system
- Radiator reserve tank
- Water filter
- 140 A alternator

### Hydraulic System
- Bypass filter
- Control valve with main relief valve
- Drain filter
- E-P control system
- Forced-lubrication and forced-cooling pumpdrive system
- FPS (Fuel-saving Pump System)
- Full-flow filter
- High-pressure strainer
- Hydraulic drive cooling-fan system
- OHS (Optimum Hydraulic System)
- Pilot filter
- Regeneration circuit for boom down function
- Suction filter

### Undercarriage
- Grease-less center joint
- Hydraulic track adjuster with N₂ gas accumulator with relief valve
- Travel motion alarm device
- Travel parking brake
- Swing circle excess grease scraper
- Swing circle lubrication piping protection
- i270 mm (50 in.) triple grouser shoes

### Upperstructure
- Cab riser pressurizer
- Dual isolator switch
- Electronic cylinder stroke control system
- Emergency escape device
- Folding stairs with wide steps
- Hydraulic drive grease gun with hose reel
- Lockable machine covers
- Swing parking brake
- 40 300 kg (88,846 lb.) counterweight (Inc. bolt etc.)

### Cab
- Adjustable reclining seat with air suspension
- Air conditioner* with defroster
- Air horn with electric compressor
- Auto-tuning AM-FM radio with digital clock
- Evacuation hammer
- Floor mat
- Fluid-filled elastic mounts

### Monitor Systems (continued)
- Footrest
- Front windshield washer
- Hot & cool-box
- Laminated glass windshield (Front)
- OPG top guard level II (ISO 10262)
- Parallel-link-type intermittent windshield wiper
- Pilot control shut-off lever
- Rearview mirror
- Reinforced/tinted (Green color) glass side and rear windows
- Roll screens
- Seat belt
- Storage spaces
- Trainer’s seat
- 4 color monitor cameras ; 2 front and 2 rear

### Monitor Systems
- Ambient temperature
- Clock
- DEF gauge (only for Cummins Tier4F)
- Engine coolant temperature gauge
- Engine oil pressure gauge
- Fuel gauge
- Fuel temperature
- Grease gauge
- Hour meter
- Hydraulic oil temperature gauge
- Inclinometer
- Tachometer
- Warning indicators
- Warning indicators (red)
- Alternator
- Engine stop
- Coolant overheat
- Hydraulic oil level
- Auto lubrication
- Tension (Track Adjuster)
- Electric lever
- Emergency engine stop
- Stop valve
- Engine over run
- Coolant level
- Engine oil pressure
- Pump transmission oil level indicator
- Warning indicators (yellow)
- Exhaust temperature
- Fast-filling
- Fuel temperature
- Engine warning
- Hydraulic oil overheat
- Stairway position
- Electrical equipment box
- Pump contamination
- Air cleaner restriction
- Alarm buzzers
- Overheat
- Engine coolant pressure

### Monitor Systems (continued)
- Engine coolant level
- Fuel temperature
- Engine oil pressure
- Engine oil temperature
- Air intake manifold temperature
- Crankcase pressure
- Pump transmission oil level
- Hydraulic oil level
- Stop valve close
- Fast-filling system panel position
- Stairway position
- Electric lever fault

### Fast-Filling System
- Fast-filling system for fuel, hydraulic oil coolant, swing device oil, pump transmission oil, engine oil, and grease (Couplers not included). DEF (only for Cummins Tier4F)
- Fast-filling couplers (Wiggins)

### Data Logging System
- Data-Logging Unit (DLU) continuously records the performance of the engine and the hydraulic system; data can be downloaded by PC. And for Fleet management system (Provided by Wenco etc.) connection**
- WIU (Wireless Interface Unit)
- Communication system (Alternative)** GPRS communication system Satellite data transmitting system

### Lights
- 2 entrance halogen light
- 10 working LED light
- 8 maintenance halogen light

### Miscellaneous
- Auto-lubrication system (Lincoln) for swing device oil, pump transmission oil, engine oil, and grease (Couplers not included). DEF (only for Cummins Tier4F)
- Auto-idle system
- Electric lever fault
- Drain filter
- Full-flow filter
- High-pressure strainer
- Hydraulic drive cooling-fan system
- OHS (Optimum Hydraulic System)
- Pilot filter
- Regeneration circuit for boom down function
- Suction filter

### Key:
- Standard
- Optional or special kit

*Contains fluorinated greenhouse gases, Refrigerant type: HFC-134a, GWP: 1430,
Amount: 2.85 kg, CO2e: 4.08 ton.

**The availability of the system depends on licensing regulations in each country.

See your Hitachi dealer for further information.