HITACHI

Reliable solutions

EX5600-7

Bucket Capacity: SHOVEL (ISO HEAPED): 27-29 m^3 (35.3-38 cu. yd.)
BACKHOE (ISO HEAPED): 34 m^3 (44.5 cu. yd)

Operating Weight:

CUMMINS	MTU
FT4 SHOVEL: 544 000 kg (1,199,315 lb.)	FT4 SHOVEL: 544 000 kg (1,199,315 lb.)
FT4 BACKHOE: 549 000 kg (1,210,338 lb.)	FT4 BACKHOE: 549 000 kg (1,210,338 lb.)
FCO SHOVEL: 544 000 kg (1,199,315 lb.)	FCO SHOVEL: 544 000 kg (1,199,315 lb.)
FCO BACKHOE: 549 000 kg (1,210,338 lb.)	FCO BACKHOE: 549 000 kg (1,210,338 lb.)

Rated Power: CUMMINS: 2 x 1119 kW (1,500 hp)
MTU: 2 x 1150 kW (1,542 hp)
ELECTRIC: 2 x 860 kW (1,153 hp)

MINING **EXCAVATORS**

FUEL-EFFICIENT PRODUCTI

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 EX5600-7 reduces fuel consumption by 8 percent.* Plus, it features productivity-boosting advantages like an improved hydraulic system, engine options and simplified maintenance.

The EX5600-7 offers MAXIMIZED PERFORMANCE.

*Comparison of Cummins engine configuration against the EX5600-6.


VITY.
EX5600

UNMATCHED EFFICIENCY. UNCOMPROMISED PRODUCTIVITY.

The EX5600-7 features the latest engine and energy optimizing technologies to provide an 8 percent reduction in fuel consumption.* Additionally, this workhorse includes electronically controlled hydraulic pumps, an optimized cooling package and enhanced hydraulic circuits to provide unmatched efficiency without compromising productivity.

This excavator gives you BIG BENEFITS.

MAIN PUMP ELECTRIC REGULATORS

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

HYDRAULIC REGENERATION CIRCUIT

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

HYDRAULIC OIL COOLER FAN

The redesigned hydraulic oil cooler with variable speed fan requires less power to cool hydraulic oil, resulting in a more reliable hydraulic system with reduced energy demand.

RADIATOR FAN CLUTCH

The radiator fan clutch and variable speed fan are specifically tailored to the engine cooling requirement, resulting in an optimal cooling system with reduced engine horsepower demand and less operational noise.

 *Comparison of Cummins engine configuration against the EX5600-6.

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.

ELECTRIC MOTOR OPTION
The EX5600-7E electric excavator option with a Hitachi AC electric motor is available.

FRONT ATTACHMENT HOSES

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

ELECTRONIC CYLINDER STROKE CONTROL

The new on-board electronic controller receives signals from angle sensors fitted to the boom and arm to control the pump flow rate and cylinder speed, reducing the shock at the stroke end of the cylinder cycle. This new feature improves operator comfort and reduces the impact on the cylinders and structures, increasing reliability and productivity.

ON-DEMAND PRODUCTION.

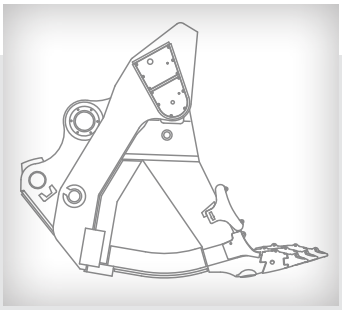
Engineered from the ground up with advanced technologies to maximize productivity, the EX5600-7 rises to the challenges of demanding mining operations.

When you choose the EX5600-7, NOTHING'S STOPPING YOU.

FRONT ATTACHMENT

With a front attachment design optimized for machine performance, the EX5600-7 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.



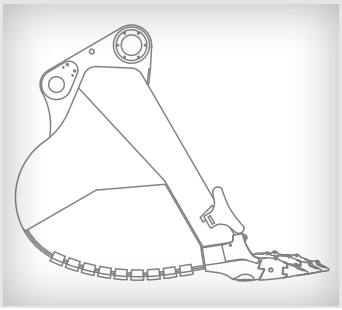
SHOVEL DESIGN

The Loading Shovel attachment is equipped with an auto-leveling crowd mechanism that controls the bucket at a constant angle. Complete with floating pin and bush, the bucket has been specifically designed to enhance loading capability with a tilt angle that enhances operational efficiency.

SHOVEL EXCAVATING FORCE

Arm crowding force on ground
I 520 kN (155 000 kgf)

Bucket digging force
I 590 kN (162 000 kgf)



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

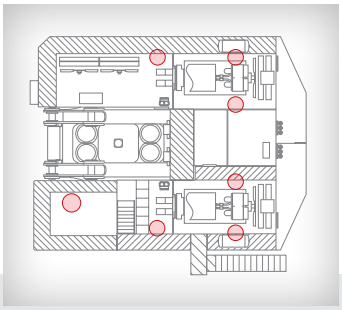
Arm crowding force
438 kN/44 660 kgf (96,254 lbf.)

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

SAFETY FOCUSED. OPERATOR FRIENDLY.

At Hitachi, safety is a top priority. And the layout of the EX5600-7 provides for a safer and more maintainable machine. Plus, intuitive and advanced features empower the operator to personalize their work environment for increased productivity.

The EX5600-7 offers 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.

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.

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.

ELECTRONIC JOYSTICKS
Connected to the machine's microprocessor, the integrated electronic joysticks enable precise and almost effortless operation.

INCREASED COMFORT. DECREASED FATIGUE.

The EX5600-7 cabin is designed for a superior operating experience. The ergonomic layout, electronic joysticks, intelligent multi-display, air suspension seat and advanced climate control system provide an operating environment conducive to less fatigue and enhanced operator productivity.

Hardworking operators deserve a COMFORTABLE CAB.

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.

MINIMIZED MAINTENANCE. MAXIMIZED UPTIME.

Hitachi is focused on safe and simplified maintenance. That's why the EX5600-7 is designed for easy maintenance and inspections with features like spacious walkways, maintenance alerts, a centralized lubrication system and more.

This workhorse offers SIMPLIFIED SERVICING.

AUTO-LUBRICATING SYSTEM

A redesigned auto-lubrication system comes with a 673 L (177.8 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.

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.

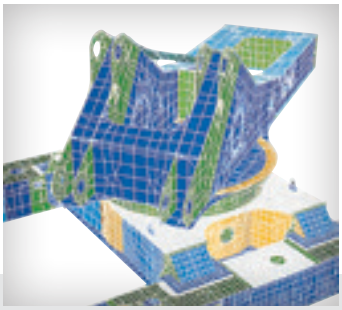
TRACK SHOES

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.

DURABILITY BUILT IN. DOWNTIME TOSSED OUT.

Built and engineered for the mining industry, Hitachi's EX-7 series excavators offer a productive, reliable solution for all operations. From the rigid box design to the 3D computer assisted FEA analysis, the EX5600-7 is designed for the toughest conditions.

The EX5600-7 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 EX5600-7 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 newly designed heavy duty guard protects hoses and accumulators located in the track center frame from rocks and debris ingress, providing extra protection and reliability.

DEPENDABLE DESIGN. RELIABLE SOLUTION.

Our EX-7 Series of excavators continues to drive innovation within the mining industry. Advanced technology, enhanced durability, improved safety features and operational performance all combine to make the new EX5600-7 an even more reliable mining solution.

This excavator provides performance YOU CAN COUNT ON.

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 HARNESSES

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.

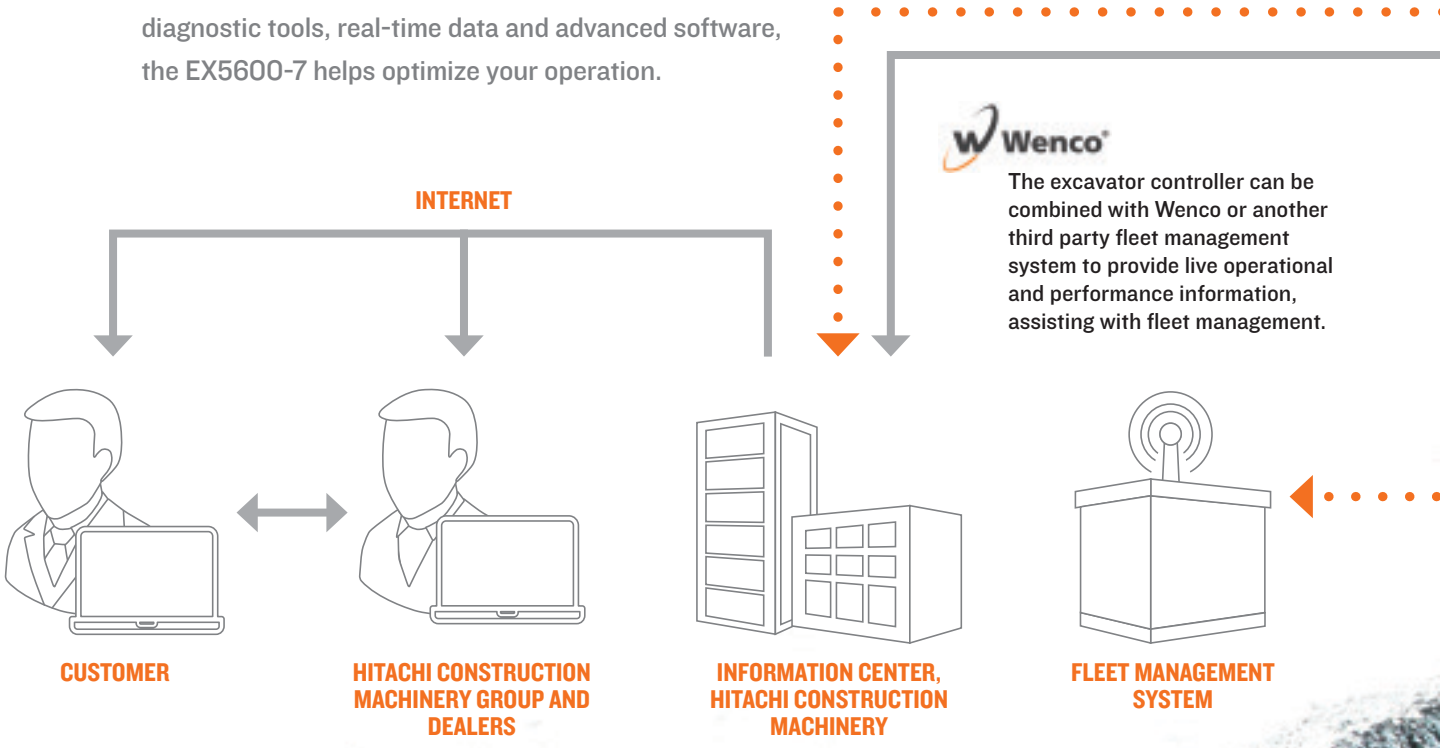
PERIMETER MONITORING CAMERAS

Optional perimeter monitoring cameras offer better visibility of the surrounding area, reducing blind spots for the operator. Cameras are located at the front (2) and rear (2) of the excavator and linked to monitors inside the cab.


EX5600

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 EX5600-7 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

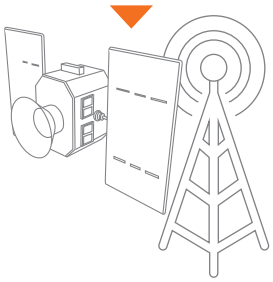
Aerial Angle(optional) provides the operator with a real-time continuous birds-eye view around their excavator. Cameras strategically mounted on the machine generate a single aerial view of the EX5600-7 surroundings. Multiple screen display options can be selected on the cab's 7-inch Aerial Angle monitor 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)

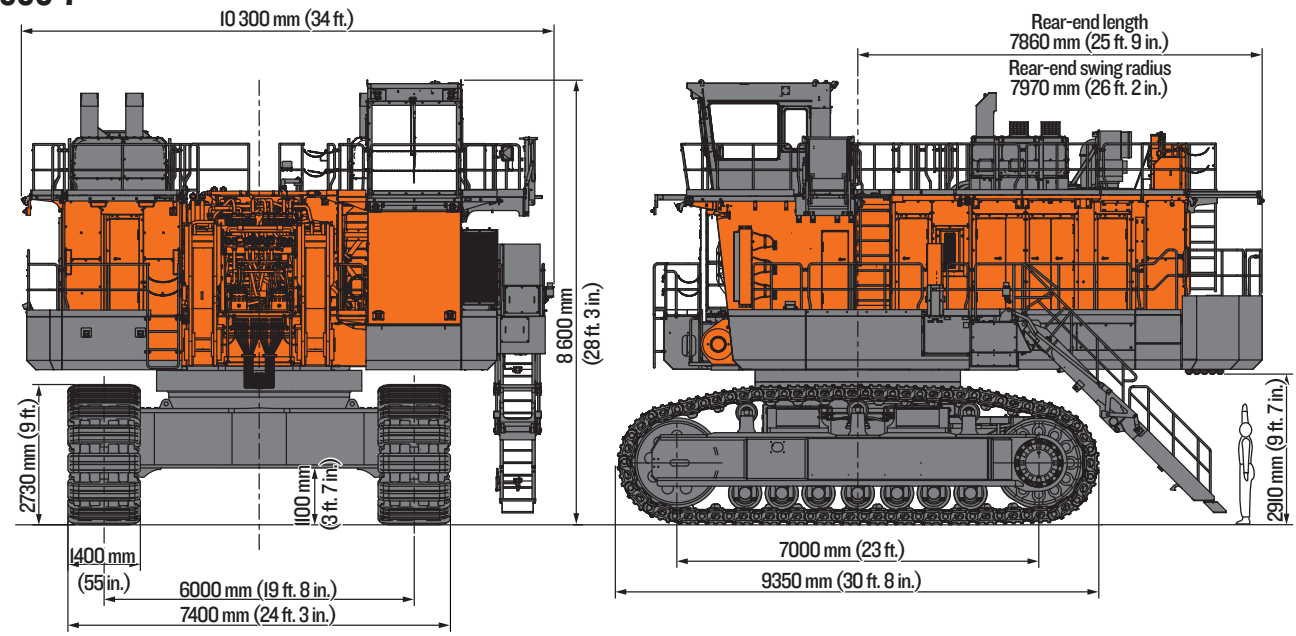
Detailed machine information recorded on the Data Logging Unit (DLU) can be remotely downloaded via the Wireless Interface Unit (WIU), providing vital operational & performance data.

ON-SITE STAFF

Operation data is collected and uploaded by on-site staff.

Image used for display purposes only.

EX5600-7



Engine	EX5600-7	
Manufacturer and Model	**Cummins QSKTA50-CE**	**MTU 12V4000 C15**
Type	4 cycle	4 cycle
Aspiration	Water-cooled, 4-cycle, 16-cylinder turbo-charged and after-cooled, direct injection chamber-type diesel engine, urea SCR system	Water-cooled, 4-cycle, 12-cylinder, 2-stage turbo-charged and after-cooled, direct injection chamber-type diesel engine, Miller cycle, cooled EGR
Emission Certification	U.S. EPA Tier 4 Final	U.S. EPA Tier 4 Final
Rated Power		
Gross power (SAE J1995)	2 x 1 119 kW (2 x 1,500 hp) at 1800 min^{-1} (rpm)	2 x 1150 kW (1,542 hp) at 1800 min^{-1} (rpm)
Net	2 x 1 069 kW (2 x 1,434 hp) at 1800 min^{-1} (rpm)	2 x 1087 kW (1,458 hp) at 1800 min^{-1} (rpm)
Maximum torque	2 x 6570 N-m (670 kgf-m) at 1400 min^{-1} (rpm)	2 x 7351 N-m (750 kgf-m) at 1494 min^{-1} (rpm)
Piston displacement	2 x 50.0 L (2 x 3,051 cu. in.)	2 x 57.2 L (2 x 3,491 cu. in.)
Bore and stroke	159 mm x 159 mm (6.3 in. x 6.3 in.)	170 mm x 210 mm (6.7 in. x 8.3 in.)
Starting system	24 V electric motor	24 V electric motor
Batteries	6 x 12 V, 6 x 185 AH	6 x 12 V, 6 x 185 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)		
12 main pumps and 6 valves system enable both independent and combined operations of all functions.		
FPS (Fuel-saving Pump System)		
FPS minimizes energy loss with superior performance in fine control.		
Additional Features		
Auto-idling system for saving fuel and reducing noise.		
Hydraulic drive cooling-fan system for oil cooler.		
Forced-lubrication and forced-cooling pump drive system.		
Main Pumps		
12 variable-displacement, axial piston pumps for front attachment, travel and swing.		
Maximum oil flow	8 x 375 L/min (8 x 99.1 gal./min.), 4 x 425 L/min (4 x 112.3 gal./min.)	
Pilot Pump		
Gear pump	2 gear pump	
Maximum oil flow	2 x 108 L/min (28.5 gal./min.)	
Fan Pump		
Variable-displacement, swash plate type axial piston pumps		
Relief Valve Settings		
Implement circuit	29.4 MPa (300 kgf/cm^2) (4,264 psi)	
Travel circuit	29.4 MPa (300 kgf/cm^2) (4,264 psi)	
Swing circuit	24.5 MPa (250 kgf/cm^2) (3,553 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. Bucket cylinders of loading shovel are provided with protector.		

Cylinder Dimensions (Backhoe)			
	Quantity	Bore	Rod Diameter
BE-boom	2	420 mm (16.5 in.)	300 mm (11.8 in.)
BE-arm	2	360 mm (14.2 in.)	260 mm (10.2 in.)
Bucket	2	310 mm (12.2 in.)	230 mm (9.1 in.)

Cylinder Dimensions (Loading Shovel)			
	Quantity	Bore	Rod Diameter
Boom	2	420 mm (16.5 in.)	300 mm (11.8 in.)
Arm	1	360 mm (14.2 in.)	260 mm (10.2 in.)
Bucket	2	340 mm (13.4 in.)	250 mm (9.8 in.)
Dump	2	280 mm (11 in.)	160 mm (6.3 in.)
Level	1	420 mm (16.5 in.)	300 mm (11.8 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	6	10 µm
High pressure strainer (in main & swing pump delivery line)	12	120 µm
Drain Filter (for all plunger type pumps & motors)	1	10 µm
By-pass filter	1	5 µm
Pilot filter	2	10 µm

Controls

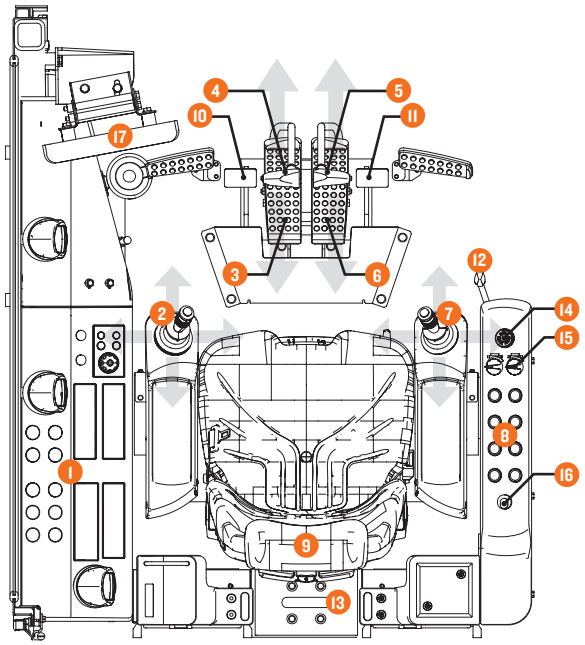
Two Implement Levers

Electric joystick control levers. 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 Console
2	Left Control Lever/Horn Switch
3	Left Travel Pedal
4	Left Travel Lever
5	Right Travel Lever
6	Right Travel Pedal
7	Right Control Lever/Horn Switch
8	Right Console
9	Operator's Seat
10	Bucket Close Pedal (for loading shovel)
11	Bucket Open Pedal (for loading shovel)
12	Pilot Control Shut-off Lever
13	Rear Console
14	Emergency Engine Stop Switch
15	Engine Speed Contol Dial
16	Key Switch
17	Monitor Display



EX5600-7

Upperstructure

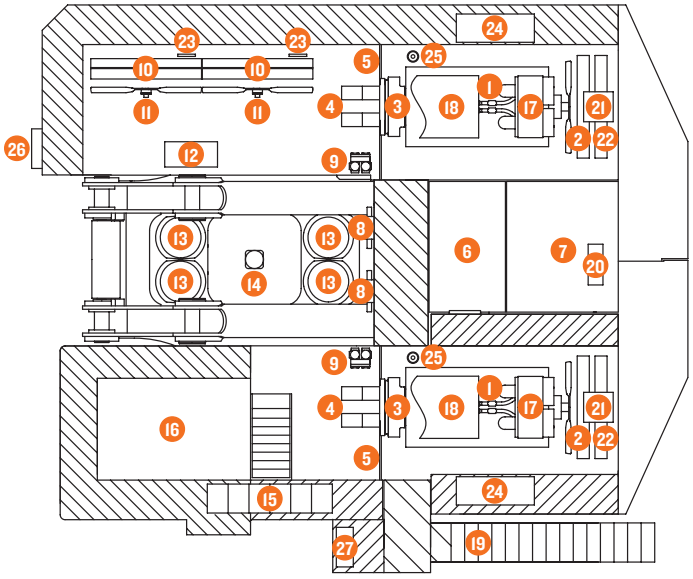
Revolving Frame

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

Deck Machinery

Maintenance accessibility is the major feature in the 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.

1	Diesel Engine x 2
2	Engine Radiator x 2
3	Pump Dirve Unit
4	Hydraulic Pump x 12
5	Engine-Pump Bulkhead
6	Hydraulic Tank
7	Fuel Tank
8	Control Valve x 6
9	High-Pressure Striner x 12
10	Hydraulic Oil Cooler x 4
11	Hydraulic Oil Cooling Fan Motor x 2
12	Lubrication
13	Swing Device x 4
14	Center Joint
15	Battery Unit
16	Cab
17	Air Filter (outer/inner) x 4
18	Muffler
19	Folding Stairs
20	Fuel Cooler
21	Reserve Tank (coolant) x 2
22	LTA Radiator x 2
23	Pump Tansmission Oil cooler x 2
24	DEF Tank (only for Cummins Tier 4 F) x 2
25	Fuel Filer (water separator) x 2
26	Ladder
27	Isolation Switch Box



Swing Device

4 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 spring-set/hydraulic-released disc type. This parking brake is manually releasable.

Swing speed	3.3 min^{-1} (rpm)

Operator's Cab

The sturdy cab, with OPG top guard level II (ISO), helps protect the operator from falling objects. Independent, pressurized, 1800 mm (5 ft. 11 in.), 2150 mm (7 ft. 1 in.) high, roomy 7.5 m^3 (9.8 cu. yd.) cab with tinted-glass windows features all-round 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. 3 air conditioner system.

Noise level	75 dB (A) in the cab at maximum engine speed under no-load condition
Eye level height	
Loading Shovel	7640 mm (25 ft. 1 in.)

Undercarriage

Tracks

Shovel-type undercarriage. Dual-flanged-type bolt linkage for side frame and X-form center frame assures 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 drive tumblers with floating seals. Specially heat-treated connection pins. Hydraulic track adjuster provided with N2 gas accumulator with relief valve. Track adjuster provided with protection device against abnormal tension. Travel motion alarm device.

Shovel-Type Undercarriage

Triple grouser track shoes of induction-hardened cast steel.

Shoe width	1400 mm (55 in.) standard

Number of Rollers and Shoes (each side)

Upper rollers	3
Lower rollers	7
Track shoes	39

Travel Device

Each track driven by high-torque, axial piston motors, allowing counter rotation of tracks. 2-stage planetary gear plus spur gears reduction device. Dual-support-type travel device. Parking brake of spring-set/hydraulic-released disc type. This parking brake is manually releasable.

Travel speeds	Low: 0 – 1.6 km/h (0 – 1 mph)
	High: 0 – 2.3 km/h (0 – 1.4 mph)
Maximum traction force	2230 kN (227 000 kgf) (500,449 lbf.)
Gradeability	58% (30°) maximum

Weights and Ground Pressure

Backhoe: Equipped with 10.1-m (33 ft. 2 in.) BE boom, 5-m (16 ft. 5 in.) BE arm and 34-m^3 (44.5 cu. yd.) ISO heaped bucket

Shoe Type	Shoe Width	Engine Type	Operating Weights	Ground Pressure
Triple Grousers	1400 mm (55 in.)	T4F	549 000 kg (1,210,338 lb.)	246 kPa (2.51 kgf/cm^2) (35.7 psi)

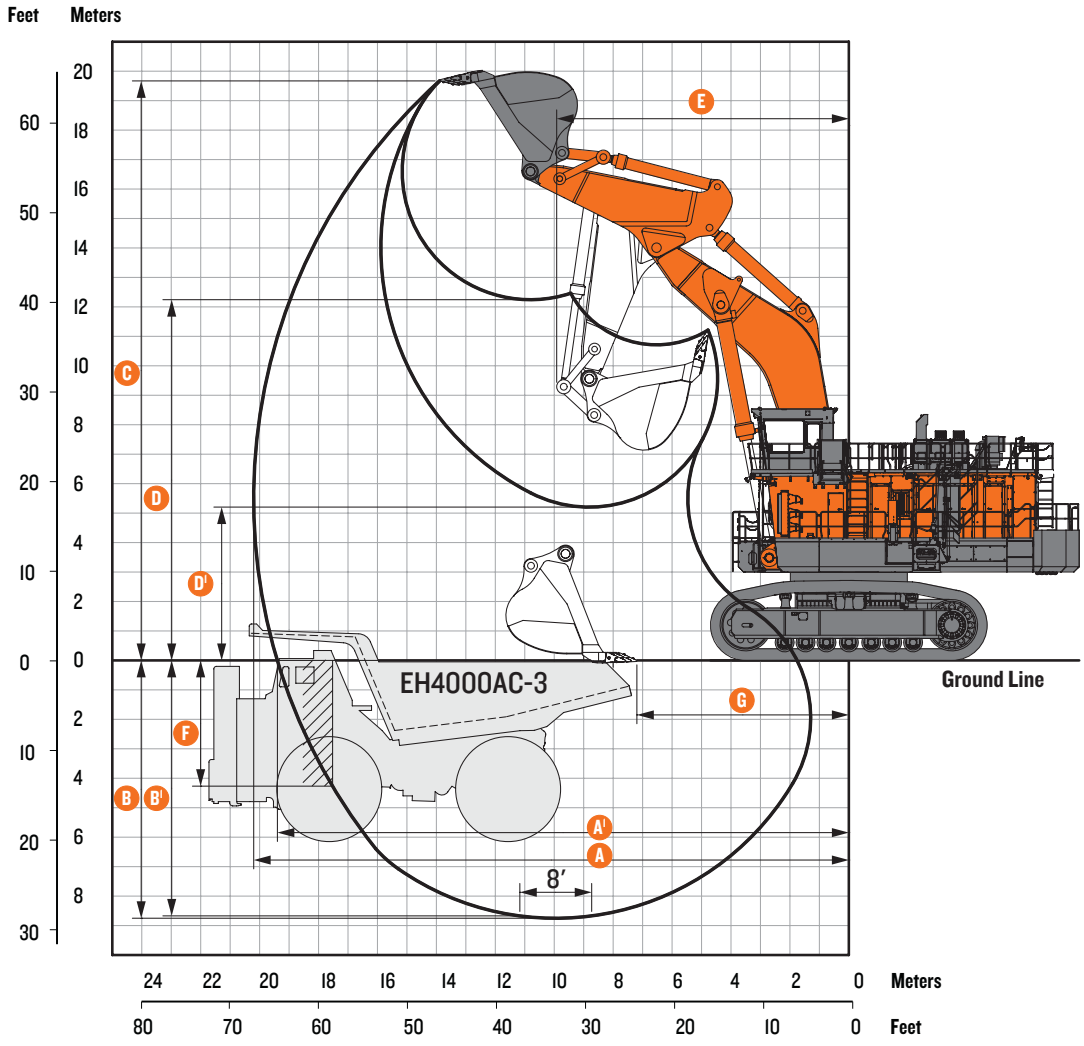
Loading Shovel: Equipped with 6.5 m^3 (8.5 yd. cu.) (ISO heaped) bottom dump bucket.

Shoe Type	Side Frames	Engine Type	Operating Weights	Ground Pressure
Triple Grousers	1400 mm (55 in.)	T4F	544 000 kg (1,199,315 lb.)	244 kPa (2.49 kgf/cm^2) (35.4 psi)

Service Refill Capacities

Fuel tank	11 300 L (2,985 gal.)
DEF tank (Cummins Tier 4 Final spec)	356 L (94 gal.)
Engine coolant	2 x 450 L (2 x 119 gal.)
Engine oil	2 x 290 L (2 x 77 gal.)
Pump drive	2 x 30 L (2 x 8 gal.)
Swing device (4 units)	4 x 84 L (4 x 22 gal.)
Travel device (2 units)	2 x 340 L (2 x 90 gal.)
Hydraulic system	6200 L (1,638 gal.)
Hydraulic oil tank	2200 L (581 gal.)

EX5600-7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EH4000AC-3
Ground Line
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80 70 60 50 40 30 20 10 0 Feet

Backhoe Attachments

Boom and arm are all-welded, low-stress, full-box section design. Bucket of all-welded high-strength steel structure.

Working Ranges

BE-boom length		**10.1 m (33 ft. 2 in.)**
BE-arm length		**5 m (16 ft. 5 in.)**
Bucket Capacity (ISO 7451 Heaped 1:1)		**3.4 m^3 (4.5 cu. yd.)**
A	Max. digging reach	20 200 mm (66 ft. 3 in.)
A'	Max. digging reach (on ground)	19 400 mm (63 ft. 8 in.)
B	Max. digging depth	8800 mm (28 ft. 11 in.)
B'	Max. digging depth (2.5 m (8 ft. 2 in.) level)	8700 mm (28 ft. 7 in.)
C	Max. cutting height	19 700 mm (64 ft. 8 in.)
D	Max. dumping height	12 200 mm (40 ft.)
D'	Min. dumping height	5200 mm (17 ft. 1 in.)
E	Min. swing radius	9900 mm (32 ft. 6 in.)
F	Max. vertical wall	4300 mm (14 ft. 1 in.)
G	Min. level crowding distance	7200 mm (23 ft. 8 in.)
	Bucket digging force (ISO)*	1480 kN/151 000 kgf (332,717 lbf.)
	Arm crowding force (ISO)*	1300 kN/133 000 kgf (292,252 lbf.)

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

Bucket

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design.

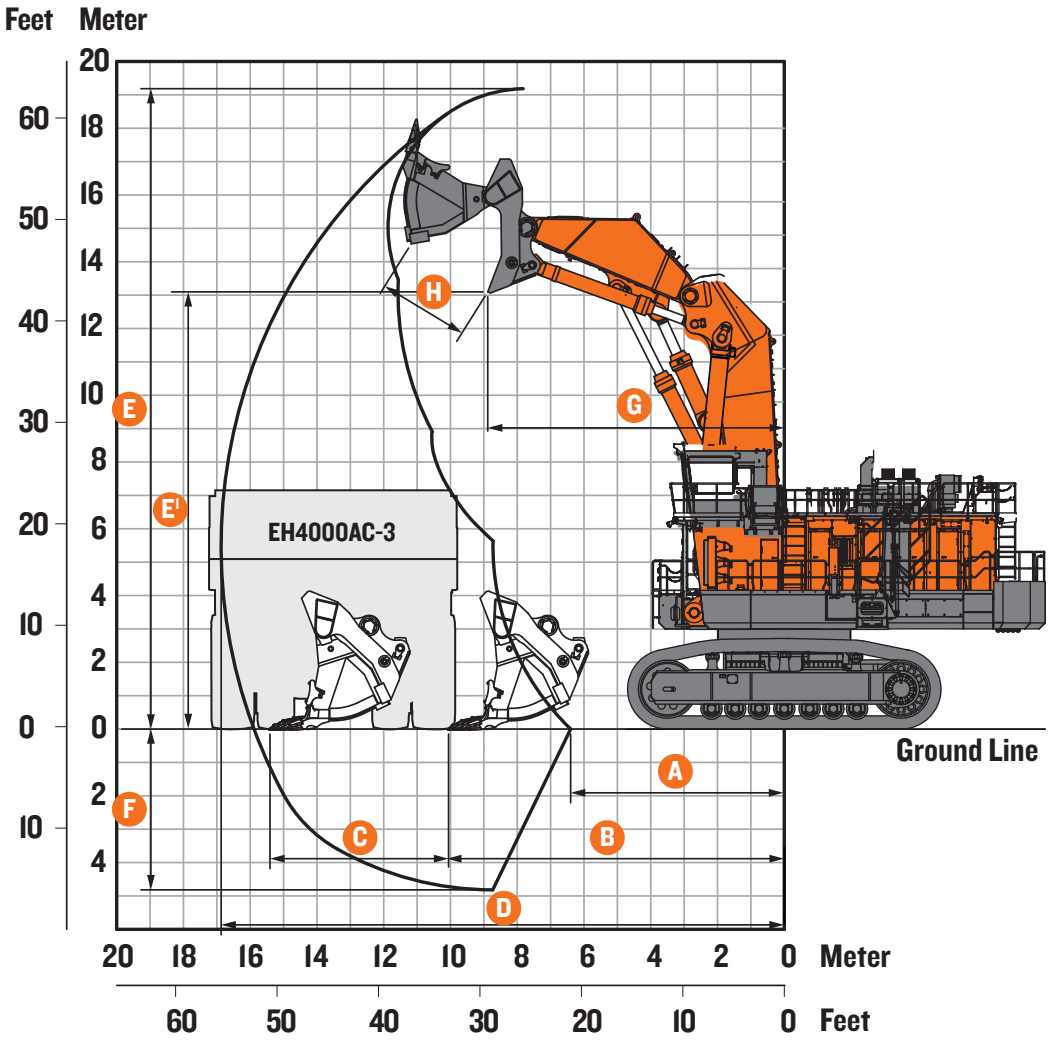
Capacity (ISO 7451 heaped 1:1)	Width	Number of Teeth	Weight	Type	Materials density
3.4.0 m^3 (4.5 cu. yd.)	4640 mm (15 ft. 3 in.)	5	32 400 kg (71,430 lb.)	General purpose	1800 kg/m^3 or less (3,034 lb./cu. yd.)

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
Backhoe	**EH3500AC-3**	181 tonnes (200 tons)	34-m^3 (44.5 cu. yd.) Bucket							
Backhoe	**EH4000AC-3**	221 tonnes (243.6 tons)	34-m^3 (44.5 cu. yd.) Bucket							
Backhoe	**EH5000AC-3**	296 tonnes (326 tons)	34-m^3 (44.5 cu. yd.) Bucket							

EX5600-7


Feet
Meter
60
50
40
30
20
10
0
10
20
18
16
14
12
10
8
6
4
2
0
2
4
E
E'
F
H
G
A
B
C
D
EH4000AC-3
Ground Line
20 18 16 14 12 10 8 6 4 2 0 Meter
60 50 40 30 20 10 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 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).

Working Ranges

Capacity (ISO 7456 heaped 2:1)		27.0 m^3 (35.3 cu. yd.)	29.0 m^3 (38 cu. yd.)
A	Minimum digging distance	6150 mm (20 ft. 2 in.)	6400 mm (21 ft.)
B	Minimum level crowding distance	9800 mm (32 ft. 2 in.)	10 050 mm (33 ft.)
C	Level crowding distance	5550 mm (18 ft. 3 in.)	5350 mm (17 ft. 7 in.)
D	Maximum digging reach	16 600 mm (54 ft. 6 in.)	17 000 mm (55 ft. 9 in.)
E	Maximum cutting height	18 900 mm (62 ft.)	19 200 mm (63 ft.)
E[1]	Maximum dumping height	13 100 mm (43 ft.)	13 100 mm (43 ft.)
F	Maximum digging depth	4550 mm (14 ft. 11 in.)	4800 mm (15 ft. 9 in.)
G	Working radius at maximum dumping height	8900 mm (29 ft. 2 in.)	8900 mm (29 ft. 2 in.)
H	Maximum bucket opening width	2700 mm (8 ft. 10 in.)	2700 mm (8 ft. 10 in.)
	Arm crowding force on ground	1570 kN/160 000 kgf (352,950 lbf.)	1520 kN/155 000 kgf (341,710 lbf.)
	Bucket digging force	1710 kN/174 000 kgf (384,423 lbf.)	1590 kN/162 000 kgf (357,446 lbf.)

Buckets

Capacity (heaped)	Width	No. of teeth	Weight	Type	Materials density
27.0 m^3 (35.3 cu. yd.)	4800 mm (15 ft. 9 in.)	6	43 400 kg (95,681 lb.)	Bottom dump type general purpose	1900 kg/m^3 (3,203 lb./$yd.^3$)
29.0 m^3 (38 cu. yd.)	4800 mm (15 ft. 9 in.)	6	44 200 kg (97,444 lb.)	Bottom dump type general purpose	1800 kg/m^3 (3,034 lb./$yd.^3$)

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
Shovel	EH3500AC-3	181 tonnes (200 tons)	29-m^3 (38 cu. yd.) Bucket							
Shovel	EH4000AC-3	221 tonnes (243.6 tons)	29-m^3 (38 cu. yd.) Bucket							
Shovel	EH5000AC-3	296 tonnes (326 tons)	29-m^3 (38 cu. yd.) Bucket							

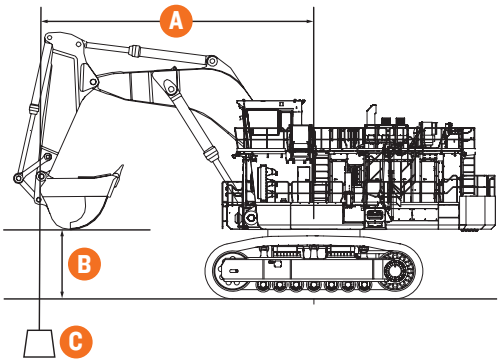
EX5600-7

Lift Capabilities

Unit: 1000 kg (1,000 lb.)

Boldface type indicates hydraulic-limited capacities; lightface type indicates stability-limited capacities in kg (lb.). Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. The load point is a hook (not standard equipment) loaded on the back of the bucket.

Load Point Height	8.0 m (26 ft. 3 in.)		10.0 m (32 ft. 10 in.)		12.0 m (39 ft. 4 in.)		14.0 m (45 ft. 11 in.)		16.0 m (52 ft. 6 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	meters (feet)
EX5600-7 with 10.1-m (33 ft. 2 in.) BE boom, 5-m (16 ft. 5 in.) BE arm, 34-m³ (44.5 cu. yd.) bucket (ISO 7451) and 1400-mm (55 in.) shoes													
14.0 m (45 ft. 11 in.)							**33.5 (73.9)**	**33.5 (73.9)**			**34.1 (75.2)**	**20.8 (45.9)**	17.9 m (58 ft. 9 in.)
12.0 m (39 ft. 4 in.)							**40.9 (90.2)**	**40.9 (90.2)**			**34.2 (75.4)**	**19.9 (43.9)**	18.8 m (61 ft. 8 in.)
10.0 m (32 ft. 10 in.)							**39.2 (86.4)**	**39.2 (86.4)**	**39.5 (87.1)**	**39.5 (87.1)**	**35.7 (78.7)**	**19.8 (43.7)**	19.2 m (63 ft.)
8.0 m (26 ft. 3 in.)					**36.4 (80.2)**	**36.4 (80.2)**	**42.0 (92.6)**	**42.0 (92.6)**	**43.2 (95.2)**	**43.2 (95.2)**	**38.7 (85.3)**	**20.3 (44.8)**	19.4 m (63 ft. 8 in.)
6.0 m (19 ft. 8 in.)					**55.2 (122)**	**55.2 (122)**	**51.5 (113.5)**	**51.5 (113.5)**	**48.4 (106.7)**	**48.4 (106.7)**	**43.5 (95.9)**	**21.5 (47.4)**	19.4 m (63 ft. 8 in.)
4.0 m (13 ft. 1 in.)					**90.1 (199)**	**90.1 (199)**	**69.9 (154.1)**	**69.9 (154.1)**	**56.5 (124.6)**	**56.5 (124.6)**	48.6 (107.1)	**23.6 (52)**	19.0 m (62 ft. 4 in.)
2.0 m (6 ft. 7 in.)					**92.1 (203)**	**92.1 (203)**	**71.8 (158.3)**	**71.8 (158.3)**	**56.8 (125.2)**	**56.8 (125.2)**	**47.1 (103.8)**	**26.7 (58.9)**	18.4 m (60 ft. 4 in.)
Ground Line					**88.9 (196)**	**88.9 (196)**	**69.2 (152.6)**	**69.2 (152.6)**	**53.2 (117.3)**	**53.2 (117.3)**			
−2.0 m (−6 ft. 7 in.)			**99.5 (219.4)**	**99.5 (219.4)**	**79.9 (176.1)**	**79.9 (176.1)**	**61.8 (136.2)**	**61.8 (136.2)**	**44.2 (97.4)**	**44.2 (97.4)**			
−4.0 m (−13 ft. 1 in.)	**91.6 (201.9)**	**91.6 (201.9)**	**78.2 (172.4)**	**78.2 (172.4)**	**63.8 (140.7)**	**63.8 (140.7)**	**47.1 (103.8)**	**47.1 (103.8)**					



A Load radius

B Load point height

C Lifting capacity


EX5600

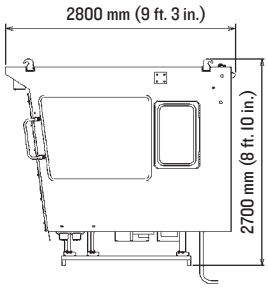
EX5600-7

Illustrations show diesel engine type. Easily assembled owing to local assembling system requiring no welding. Overall width of below 3500 mm (11 ft. 6 in.) during transportation.

Upperstructure

CAB

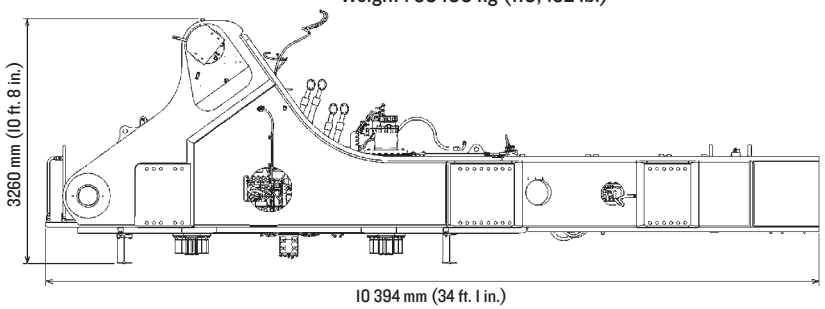
Weight : 1800 kg (3,968 lb.)



Width : 1876 mm (6 ft. 2 in.)

MAIN FRAME ASSEMBLY

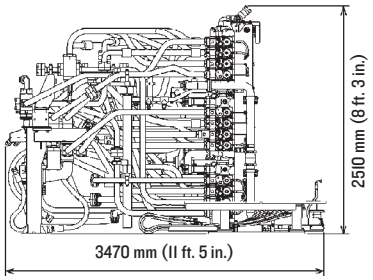
Weight : 50 100 kg (110,452 lb.)



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

VALVE ASSEMBLY

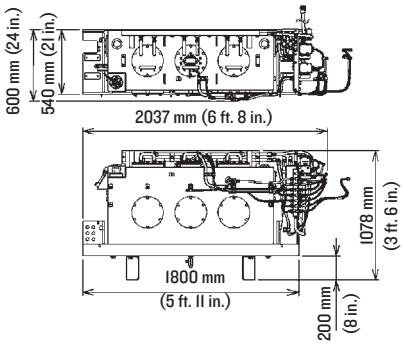
Weight : 7470 kg (16,469 lb.)



Width : 3090 mm (10 ft. 2 in.)

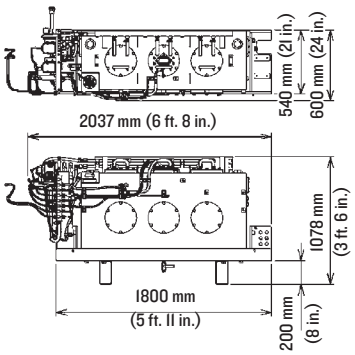
LEFT UNIT UREA TANK

Weight : 550 kg (1,213 lb.)



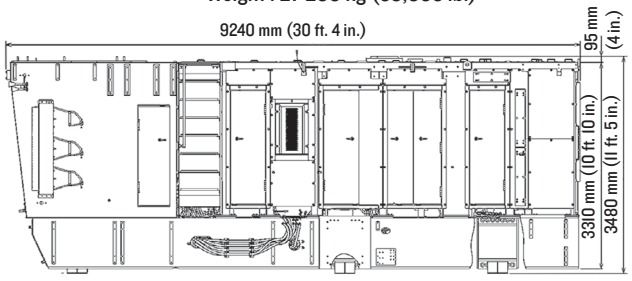
RIGHT UNIT UREA TANK

Weight : 550 kg (1,213 lb.)



ENGINE UNIT (LEFT)

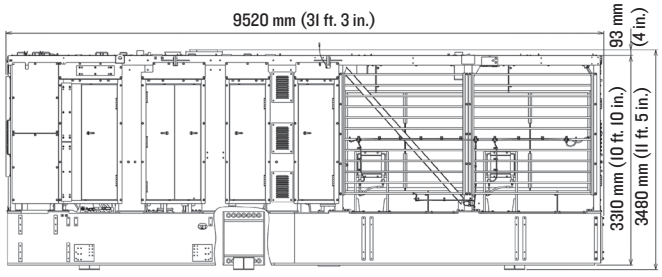
Weight : 27 200 kg (59,966 lb.)



Width : 3270 mm (10 ft. 9 in.)

ENGINE UNIT (RIGHT)

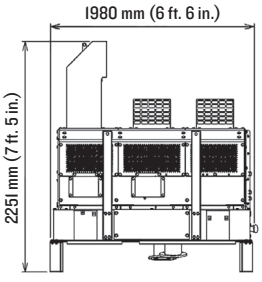
Weight : 28 300 kg (62,391 lb.)



Width : 2535 mm (8 ft. 4 in.)

EXHAUST UNIT (LEFT / RIGHT)

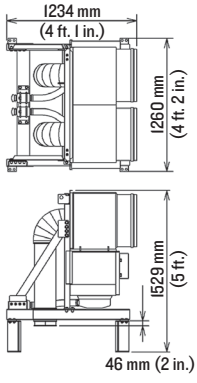
Weight : 1400 kg (3,087 lb.) × 2



Width : 2000 mm (6 ft. 7 in.)

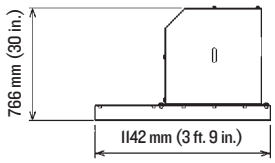
INTAKE UNIT (LEFT / RIGHT)

Weight : 320 kg (706 lb.) x 2



WATER TANK (LEFT / RIGHT)

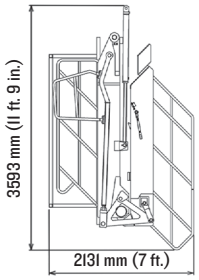
Weight : 177 kg (391 lb.)



Width : 735 mm (2 ft. 5 in.)

LADDER

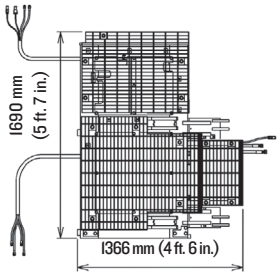
Weight : 846 kg (1,866 lb.)



Width : 1100 mm (3 ft. 7 in.)

BOX

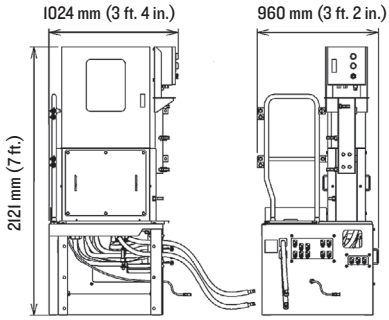
Weight : 953 kg (2,101 lb.)



Width : 1115 mm (3 ft. 8 in.)

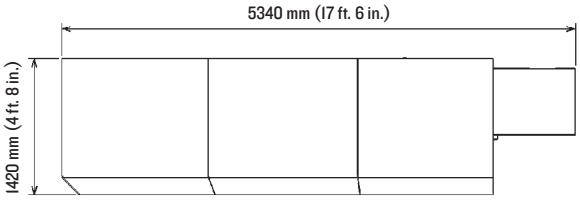
ISOLATION SWITCH BOX

Weight : 292 kg (644 lb.)



COUNTERWEIGHT (LEFT)

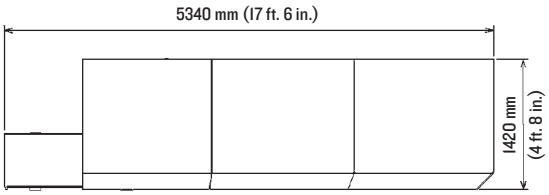
Weight : 24 300 kg (53,573 lb.)



Width: 1543 mm (5 ft. 1 in.)

COUNTERWEIGHT (RIGHT)

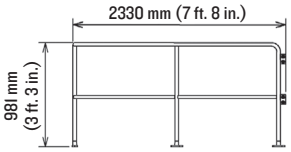
Weight : 23 900 kg (52,691 lb.)



Width: 1543 mm (5 ft. 1 in.)

HANDRAIL

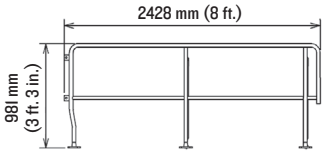
Weight : 19 kg (43 lb.)



Width : 283 mm (11 in.)

HANDRAIL

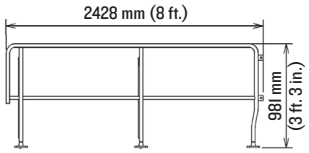
Weight : 21 kg (47 lb.)



Width : 335 mm (13 in.)

HANDRAIL

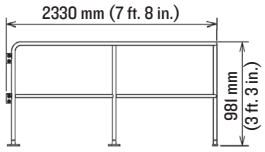
Weight : 21 kg (47 lb.)



Width : 335 mm (13 in.)

HANDRAIL

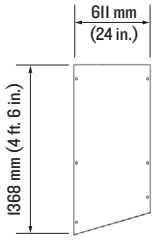
Weight : 19 kg (43 lb.)



Width : 283 mm (11 in.)

COVER

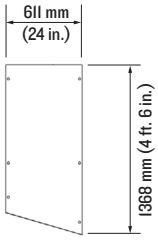
Weight : 18 kg (40 lb.)



Width : 30 mm (1 in.)

COVER

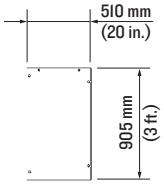
Weight : 18 kg (40 lb.)



Width : 30 mm (1 in.)

COVER

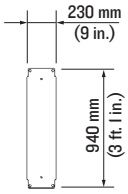
Weight : 11 kg (25 lb.)



Width : 30 mm (1 in.)

COVER

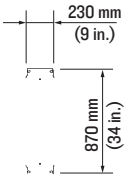
Weight : 5 kg (12 lb.)



Width : 30 mm (1 in.)

COVER

Weight : 5 kg (12 lb.)

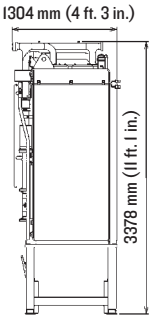


Width : 30 mm (1 in.)

EX5600-7

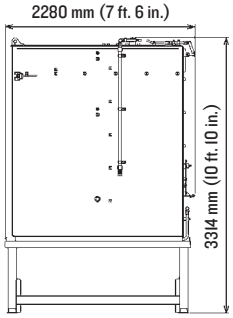
Upperstructure (continued)

HYDRAULLC OIL TANK
Weight : 6730 kg (14,838 lb.)



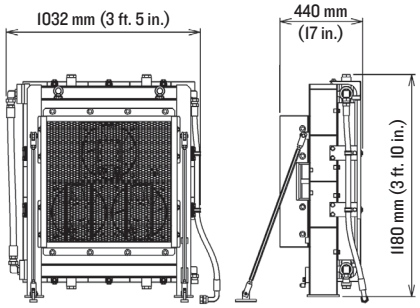
Width : 2310 mm (7 ft. 7 in.)

FUEL TANK
Weight : 4120 kg (9,084 lb.)

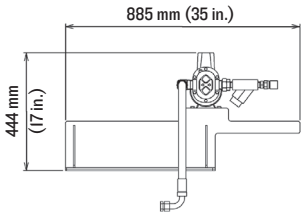


Width : 2420 mm (7 ft. 11 in.)

FUEL COOLER UNIT
Weight : 156 kg (344 lb.)

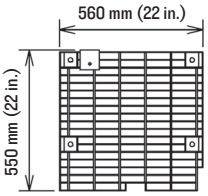


HYDRAULLC OIL PUMP ASSEMBLY
Weight : 43 kg (95 lb.)



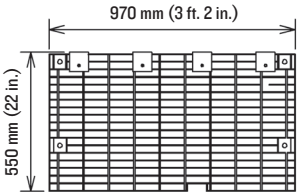
Width : 635 mm (25 in.)

STEP
Weight : 15 kg (34 lb.)



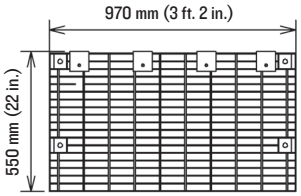
Width : 40 mm (2 in.)

STEP
Weight : 15.1 kg (34 lb.)



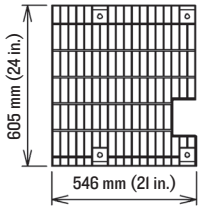
Width : 40 mm (2 in.)

STEP
Weight : 15.2 kg (34 lb.)



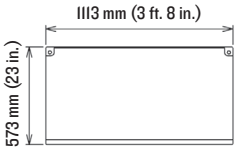
Width : 40 mm (2 in.)

STEP
Weight : 9.1 kg (21 lb.)



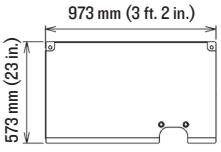
Width : 131 mm (5 in.)

STEP
Weight : 12 kg (27 lb.)



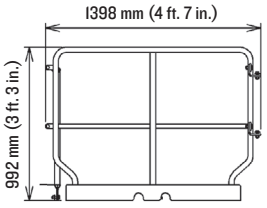
Width : 266 mm (10 in.)

STEP
Weight : 19 kg (42 lb.)



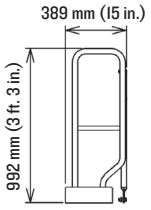
Width : 137 mm (5 in.)

HANDRAIL
Weight : 23 kg (51 lb.)



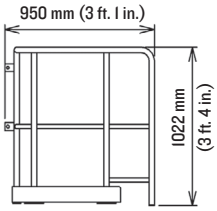
Width : 137 mm (5 in.)

HANDRAIL
Weight : 11 kg (25 lb.)



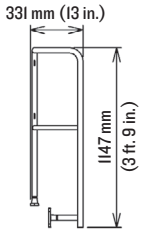
Width : 258 mm (10 in.)

HANDRAIL
Weight : 24 kg (53 lb.)



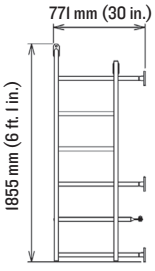
Width : 773 mm (30 in.)

HANDRAIL
Weight : 8.7 kg (20 lb.)



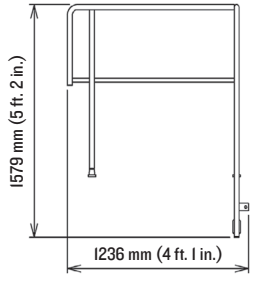
Width : 244 mm (10 in.)

HANDRAIL
Weight : 23 kg (51 lb.)



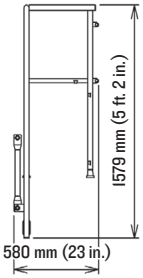
Width : 265 mm (10 in.)

HANDRAIL
Weight : 19 kg (42 lb.)



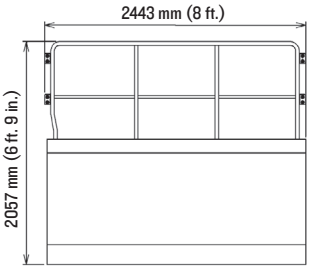
Width : 348 mm (14 in.)

HANDRAIL
Weight : 15 kg (34 lb.)



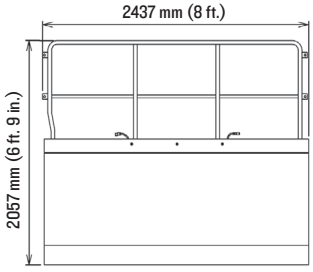
Width : 322 mm (13 in.)

FENDER
Weight : 236 kg (521 lb.)



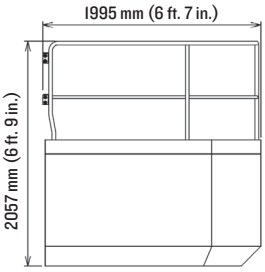
Width : 677 mm (27 in.)

FENDER
Weight : 257 kg (567 lb.)



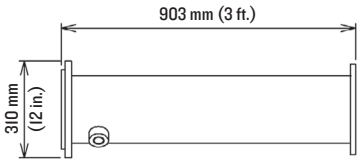
Width : 677 mm (27 in.)

FENDER
Weight : 254 kg (560 lb.)

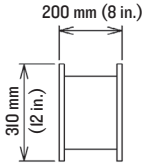


Width : 677 mm (27 in.)

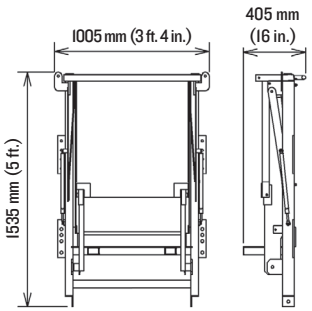
PIPE
Weight : 38 kg (84 lb.) × 2



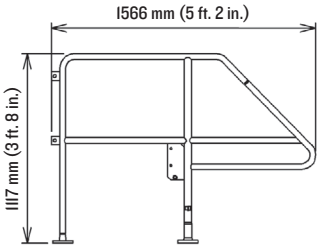
PIPE
Weight : 13 kg (29 lb.) × 2



ESCAPE DEVICE
Weight : 192 kg (424 lb.)

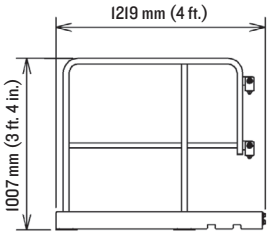


HANDRAIL
Weight : 21 kg (47 lb.)



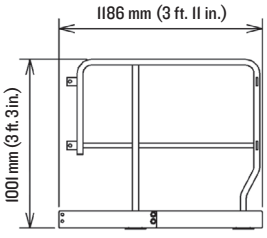
Width : 131 mm (5 in.)

HANDRAIL
Weight : 18 kg (40 lb.)



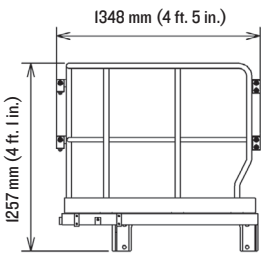
Width : 97 mm (4 in.)

FENDER
Weight : 17 kg (38 lb.)



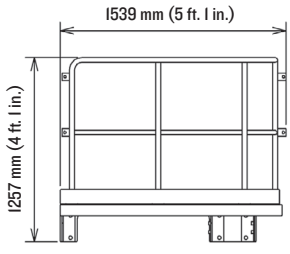
Width : 100 mm (4 in.)

FENDER
Weight : 75 kg (166 lb.)



Width : 625 mm (25 in.)

FENDER
Weight : 90 kg (199 lb.)

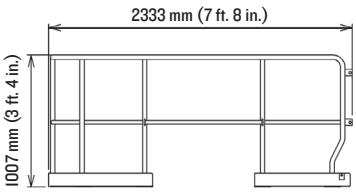


Width : 646 mm (25 in.)

EX5600-7

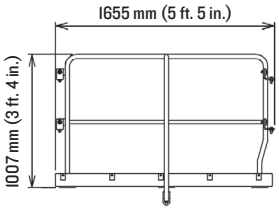
Upperstructure (continued)

HANDRAIL
Weight : 33 kg (73 lb.)



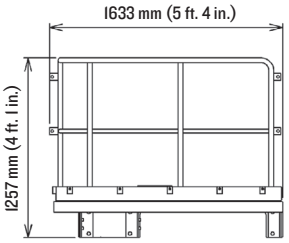
Width : 394 mm (16 in.)

HANDRAIL
Weight : 30 kg (67 lb.)



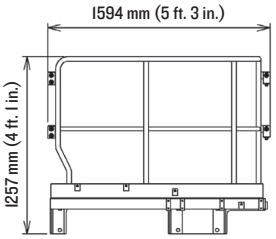
Width : 309 mm (12 in.)

HANDRAIL
Weight : 95 kg (210 lb.)



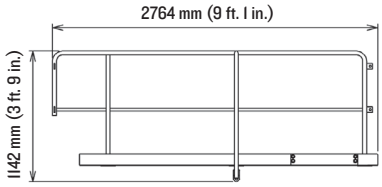
Width : 665 mm (26 in.)

HANDRAIL
Weight : 92 kg (203 lb.)



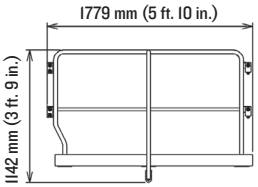
Width : 625 mm (25 in.)

HANDRAIL
Weight : 36 kg (80 lb.)



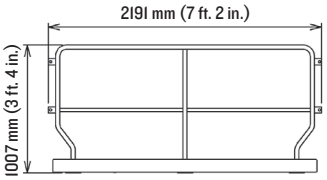
Width : 267 mm (11 in.)

HANDRAIL
Weight : 29 kg (64 lb.)



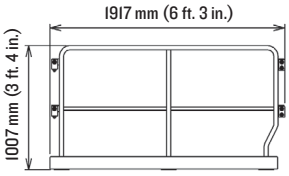
Width : 309 mm (12 in.)

HANDRAIL
Weight : 26 kg (58 lb.)



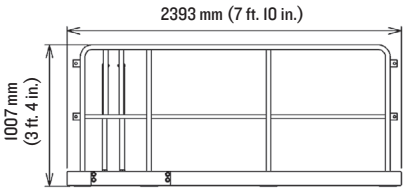
Width : 55 mm (2 in.)

FENDER
Weight : 29 kg (64 lb.)



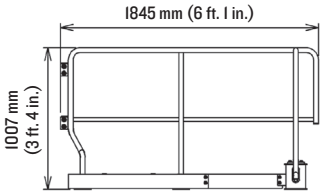
Width : 97 mm (4 in.)

HANDRAIL
Weight : 39 kg (86 lb.)



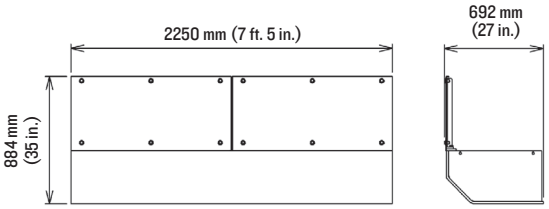
Width : 276 mm (11 in.)

HANDRAIL
Weight : 32 kg (71 lb.)

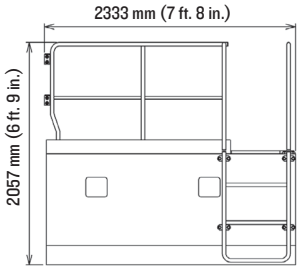


Width : 381 mm (15 in.)

UREA TANK GUARD
Weight : 381 kg (840 lb.)

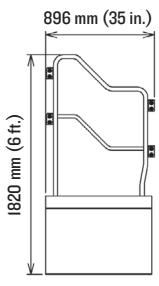


FENDER
Weight : 300 kg (662 lb.)



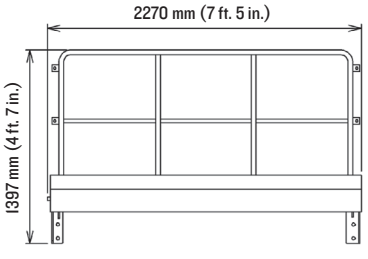
Width : 811 mm (32 in.)

FENDER
Weight : 162 kg (358 lb.)



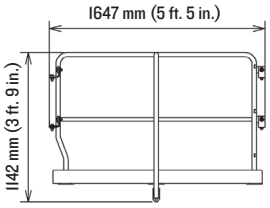
Width : 677 mm (27 in.)

FENDER
Weight : 168 kg (371 lb.)



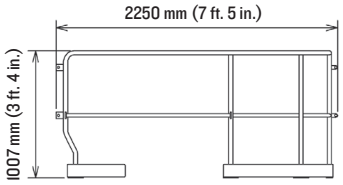
Width : 683 mm (27 in.)

HANDRAIL
Weight : 29 kg (64 lb.)



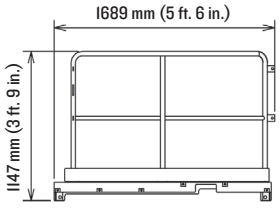
Width : 309 mm (12 in.)

HANDRAIL
Weight : 29 kg (64 lb.)



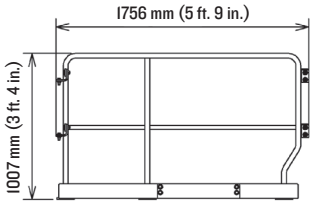
Width : 394 mm (16 in.)

HANDRAIL
Weight : 44 kg (97 lb.)



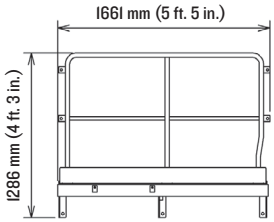
Width : 347 mm (14 in.)

HANDRAIL
Weight : 25 kg (56 lb.)



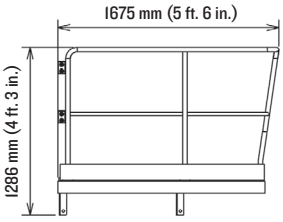
Width : 107 mm (4 in.)

STEP
Weight : 91 kg (201 lb.)



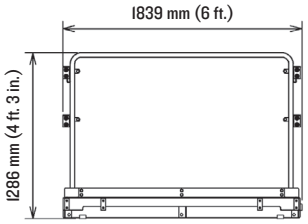
Width : 577 mm (23 in.)

STEP
Weight : 75 kg (166 lb.)



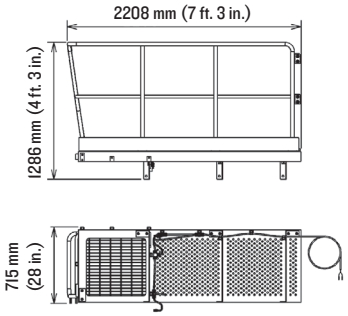
Width : 560 mm (22 in.)

STEP
Weight : 59 kg (131 lb.)

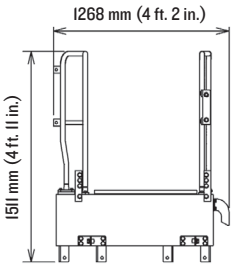


Width : 620 mm (24 in.)

STEP
Weight : 126 kg (278 lb.)

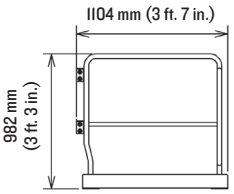


STEP
Weight : 316 kg (697 lb.)



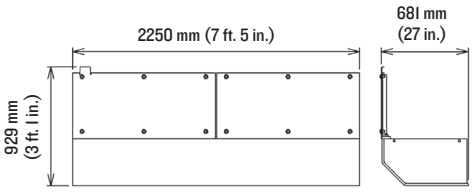
Width : 1256 mm (4 ft. 2 in.)

STEP
Weight : 9 kg (20 lb.)

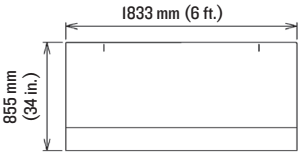


Width : 189 mm (7 in.)

UREA TANK GUARD
Weight : 381 kg (840 lb.)

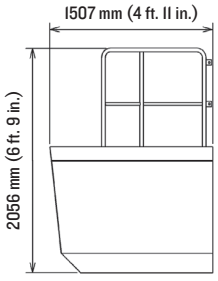


COVER
Weight : 44 kg (97 lb.)



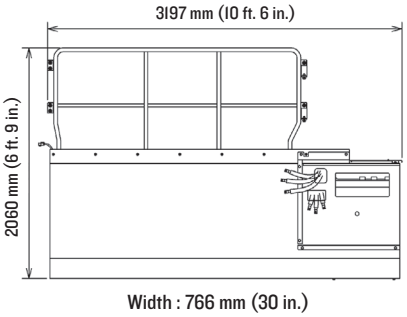
Width : 470 mm (19 in.)

FENDER
Weight : 162 kg (358 lb.)



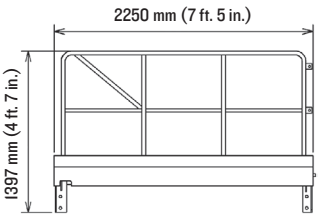
Width : 780 mm (31 in.)

FENDER
Weight : 560 kg (1,235 lb.)



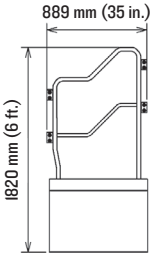
Width : 766 mm (30 in.)

FENDER
Weight : 169 kg (373 lb.)



Width : 683 mm (27 in.)

FENDER
Weight : 162 kg (358 lb.)

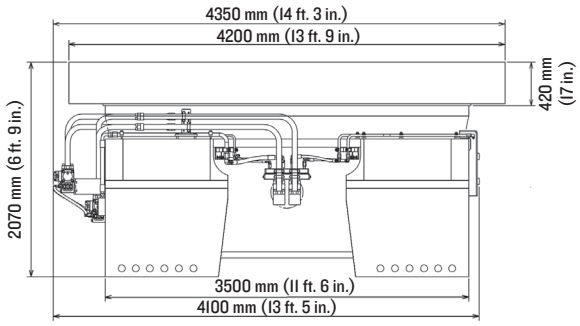


Width : 677 mm (27 in.)

EX5600-7

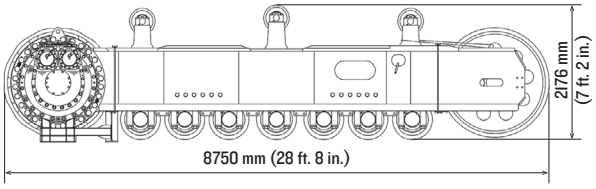
Undercarriage

TRACK CENTER FRAME ASSEMBLY
Weight : 49 200 kg (108,468 lb.)



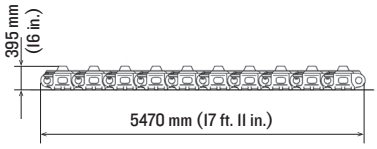
Width : 6210 mm (20 ft. 1 in.)

TRACK SIDE FRAMES
Weight : 47 300 kg (104,279 lb.) × 2



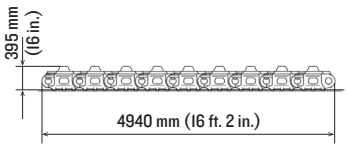
Width : 2680 mm (8 ft. 10 in.)

TRACK LINKS
Weight : 8210 kg (18,100 lb.) × 6



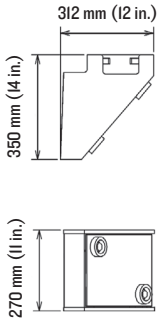
Width : 1400 mm (4 ft. 7 in.)

TRACK LINKS
Weight : 7370 kg (16,249 lb.) × 2

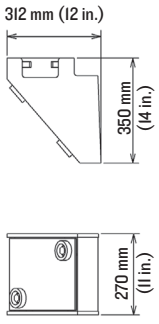


Width : 1400 mm (4 ft. 7 in.)

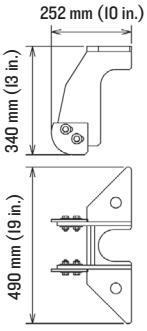
GUARD ASSEMBLY (R)
Weight : 29 kg (64 lb.)



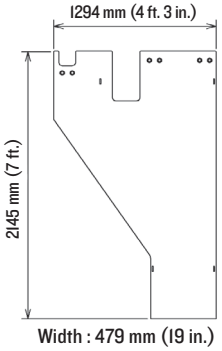
GUARD ASSEMBLY (L)
Weight : 29 kg (64 lb.)



SCRAPER ASSEMBLY
Weight : 16 kg (36 lb.) × 2

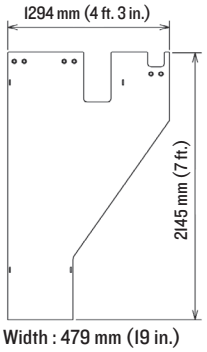


COVER (L)
Weight : 225 kg (497 lb.)



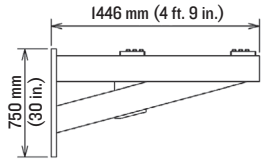
Width : 479 mm (19 in.)

COVER (R)
Weight : 225 kg (497 lb.)



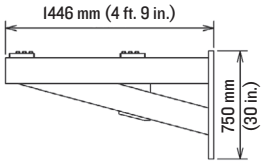
Width : 479 mm (19 in.)

SUPPORT (L)
Weight : 92 kg (203 lb.)



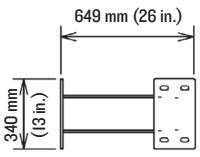
Width : 118 mm (5 in.)

SUPPORT (R)
Weight : 92 kg (203 lb.)



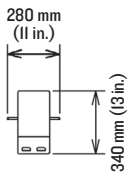
Width : 118 mm (5 in.)

SUPPORT (R) (L)
Weight : 26 kg (58 lb.) × 2



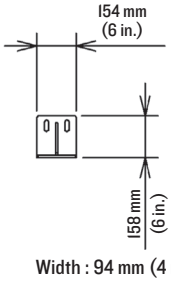
Width : 654 mm (26 in.)

COVER (R) (L)
Weight : 12 kg (27 lb.) × 2



Width : 340 mm (13 in.)

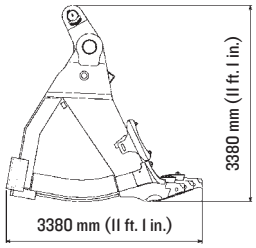
BRACKET (R) (L)
Weight : 3 kg (7 lb.) × 4



Width : 94 mm (4 in.)

FRONT BUCKET

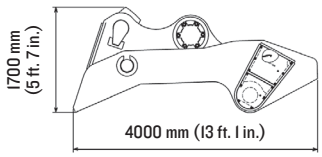
Weight : 20 200 kg (44,534 lb.)



Width : 4780 mm (15 ft. 8 in.)

REAR BUCKET

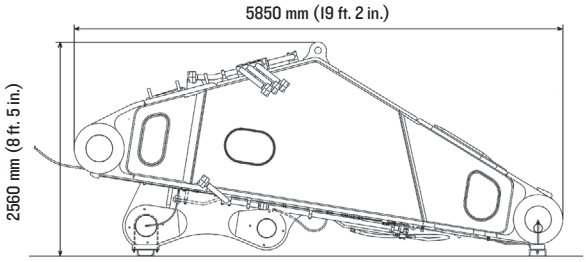
Weight : 20 500 kg (45,195 lb.)



Width : 4790 mm (15 ft. 9 in.)

ARM ASSEMBLY

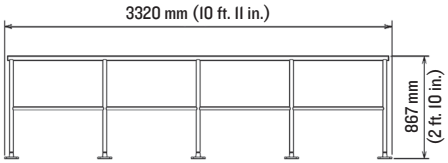
Weight : 37 300 kg (46,739 lb.)



Width : 3270 mm (10 ft. 9 in.)

HANDRAIL

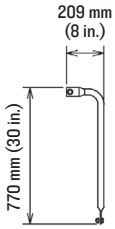
Weight : 27 kg (60 lb.) × 2



Width : 97 mm (4 in.)

PIPE

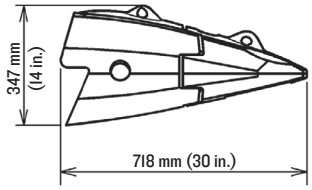
Weight : 2 kg (5 lb.) × 4



Width : 50 mm (2 in.)

TOOTH

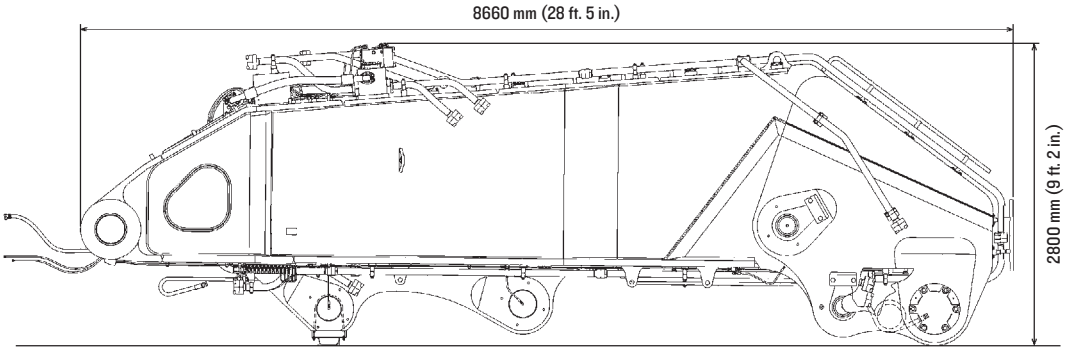
Weight : 244 kg (538 lb.) × 6



Width : 355 mm (14 in.)

BOOM ASSEMBLY

Weight : 36 800 kg (81,131 lb.)



Width : 3240 mm (10 ft. 8 in.)

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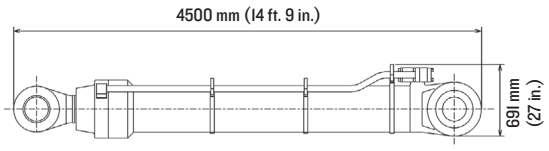
Loader Attachment

ARM CYLINDER

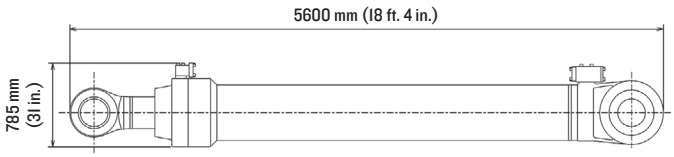
Weight : 4320 kg (9,524 lb.)



Width : 790 mm (31 in.)

BOOM CYLINDERS

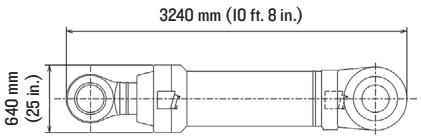
Weight : 6600 kg (14,551 lb.) × 2



Width : 640 mm (25 in.)

LEVEL CYLINDER

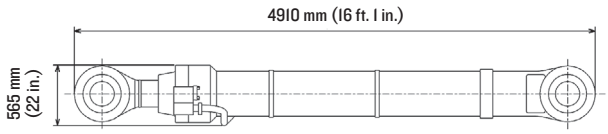
Weight : 3840 kg (8,466 lb.)



Width : 1050 mm (3 ft. 6 in.)

BUCKET CYLINDERS

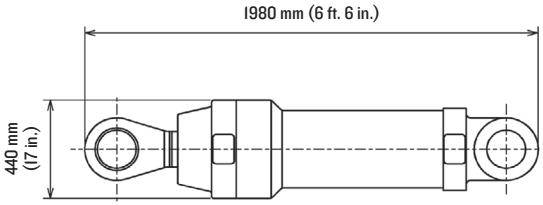
Weight : 4060 kg (8,951 lb.) × 2



Width : 983 mm (3 ft. 3 in.)

BUCKET DUMP CYLINDERS

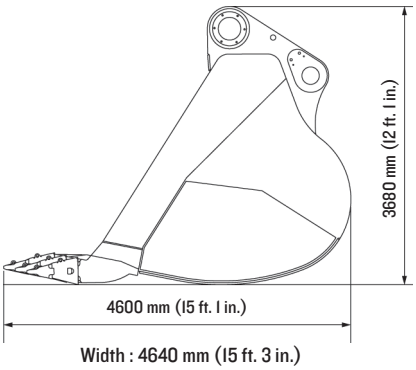
Weight : 985 kg (2,172 lb.) × 2



Width : 443 mm (17 in.)

BUCKET ASSEMBLY

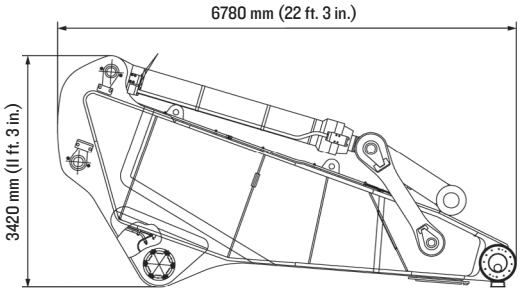
Capacity : 34.0 m^3 (ISO heaped)
Weight : 33 400 kg (73,635 lb.)



Width : 4640 mm (15 ft. 3 in.)

ARM ASSEMBLY

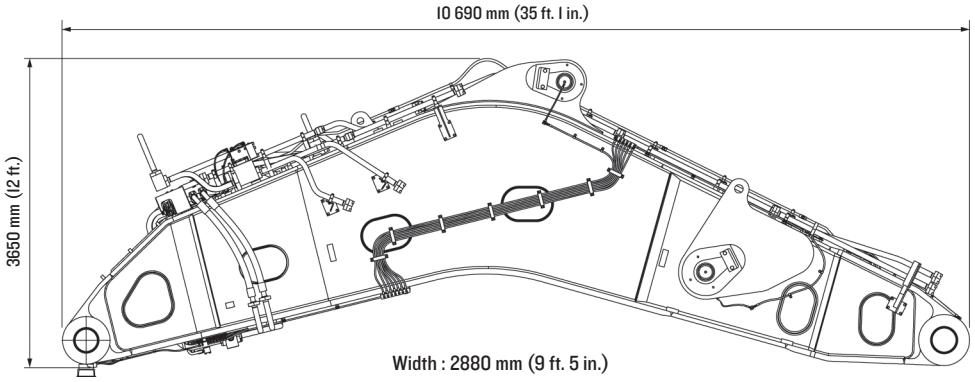
Weight : 37300 kg (82,233 lb.)



Width : 2360 mm (7 ft. 9 in.)

BOOM ASSEMBLY

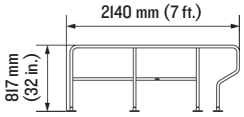
Weight : 40 400 kg (89,067 lb.)



Width : 2880 mm (9 ft. 5 in.)

HANDRAILS

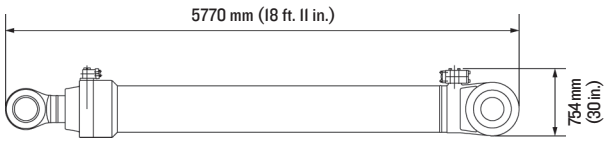
Weight : 19.4 kg (43 lb.) × 2



Width : 144 mm (6 in.)

BOOM CYLINDERS

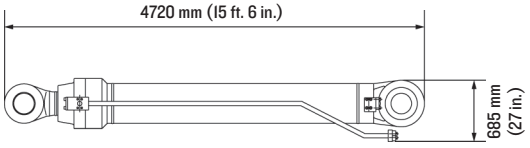
Weight : 6880 kg (15,168 lb.) × 2



Width : 640 mm (25 in.)

ARM CYLINDERS

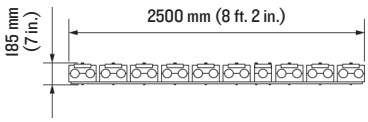
Weight : 4690 kg (10,340 lb.) × 2



Width : 865 mm (34 in.)

CLAMP ASSEMBLY

Weight : 49 kg (109 lb.)



Width : 100 mm (4 in.)

ADDITIONAL EQUIPMENT

EX5600-7

Key: ● Standard ▲ Optional or special kit

	Engine
●	Auto-idle system
●	Cartridge-type engine oil bypass filter
●	Cartridge-type engine oil filter
●	Cartridge-type fuel filter
●	Emergency engine stop system
●	Fan guard
●	Heavy-duty type air cleaner with dust ejector
●	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 pump drive 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
	Cab
●	Adjustable reclining seat with air suspension
●	Air conditioner with defroster
●	Air horn with electric compressor
●	Auto-tuning AM-FM radio with digital clock
●	Emergency escape device
●	Evacuation hammer
●	Floor mat
●	Fluid-filled elastic mounts
●	Footrest
●	Front windshield washer
●	Hot & cool-box
●	Laminated glass windshield
●	OPG top guard level II (ISO)
●	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
●	On-board inclinometer
●	4 color monitor cameras ; 2 front and 2 rear
	Meters:
●	Ambient temperature
●	Battery voltage gauge
●	Clock
●	Engine coolant temperature gauge (R).(L)

	Cab (continued)
●	Engine oil pressure gauge (R).(L)
●	Engine oil temperature gauge (R).(L)
●	Fuel gauge
●	Hour meter
●	Hydraulic oil temperature gauge (R).(L)
●	Tachometer (R).(L)
	Pilot lamps (Green)
●	Auto-Idle
●	Pre-lubrication
●	Travel mode
	Warning lamps (Red)
●	Alternator (R).(L)
●	Auto-lubrication
●	Coolant level (R).(L)
●	Coolant overheat (R).(L)
●	Electric lever
●	Emergency engine stop
●	Engine oil pressure (R).(L)
●	Engine over run
●	Engine stop (R).(L)
●	Fast-filling
●	Hydraulic oil level
●	Pump transmission oil level indicator (R).(L)
●	Stop valve
●	Tension
	Warning lamps (Yellow)
●	Air cleaner restriction (R).(L)
●	Electrical equipment box
●	Engine warning (R).(L)
●	Exhaust temperature (R).(L)
●	Fuel temperature (R).(L)
●	Hydraulic oil overheat
●	Pump contamination
●	Stairway position
	Warning lamps (Amber)
●	Fast-filling
	Alarm buzzers
●	Electric lever fault
●	Engine coolant level (R).(L)
●	Engine oil pressure (R).(L)
●	Engine oil temperature (R).(L)
●	Fast-filling system panel position
●	Fuel temperature (R).(L)
●	Hydraulic oil level
●	Overheat (R).(L)
●	Pump transmission oil level
●	Stairway position
●	Stop valve close
	Data Logging System
●	Communication system (Alternative)** GPRS communication system
●	DLU (Data-logging unit) continuously records performance of the engine and the hydraulic system. The record can be downloaded by PC. And for Fleet management system (Provided by Wenco etc.) connection* Satellite data transmitting system
●	WIU (Wireless Interface Unit)**

	Lights
●	3 entrance LED lights
●	8 working LED lights
●	10 maintenance room lights
	Upperstructure
●	Cab riser pressurizer
●	Electronic cylinder stroke control system
●	Electric oil pump to draw hydraulic oil from suction and return pipe lines
	Folding stairs with wide steps
●	Hydraulic drive grease gun with hose reel
●	Lockable machine covers
●	Starter isolator switch
●	Swing parking brake
●	48 800 kg counterweight
	Undercarriage
●	Grease-less center joint
●	Hydraulic track adjuster with N_2 gas accumulator with relief valve
●	Swing circle excess grease scraper
●	Swing circle lubrication piping protection
●	Travel motion alarm device
●	Travel parking brake
●	1400 mm (55 in.) triple grouser shoes
	Miscellaneous
●	Auto-lubrication system (Lincoln) for front-attachment pins, swing bearing and center joint.
●	Battery isolator switch
●	Emergency stop switches
●	Emergency escape chute
●	Engine oil reserve system
●	Recirculation air filter for air conditioner
●	Stairs and handrails (Meeting ISO)
●	Stop valve for transport and reassembly
●	Ventilation air filter for air conditioner
●	12 V power terminal board
	Fast-Filling System
●	Fast-filling system (Wiggins) for fuel, hydraulic oil, coolant, swing device oil, pump transmission oil, engine oil, and grease. Fast-filling couplers included.
	Optional Equipment
▲	Aerial Angle
▲	Cold weather package*
▲	High-altitude application*
▲	Standard tool kit
▲	Travel motor guard
▲	Travel transmission guard
▲	Center track frame cover
▲	Additional fuel filter (Parker FBO-14)
▲	Front cab guard

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

HITACHI

DKD56007HT Litho in U.S.A. (20-07)

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