

# EXI200-6

## SALES BROCHURE

# EXI200

**BUCKET CAPACITY:**

BACKHOE (SAE): 3.4 – 6.7 m<sup>3</sup> (4.5 – 8.8 cu. yd.)  
SHOVEL (SAE) (2:1): 5.9 – 6.5 m<sup>3</sup> (7.7 – 8.5 cu. yd.)

**OPERATING WEIGHT:**

BACKHOE – 112 000 kg (246,920 lb.)  
SHOVEL – 114 000 kg (251,330 lb.)

**RATED POWER:**

567 kW (760 hp)



## BY NOT BUILDING EVERYTHING, WE COMPROMISE ON NOTHING.

### EXCAVATOR FOCUSED. NO DISTRACTIONS.

At Hitachi, we don't get sidetracked building every kind of construction and mining equipment. Instead, we focus on excavators and trucks. We combine that focus with our legacy of innovative technology. By specializing in excavators and trucks, we deliver reliable, productive, efficient and smooth operating equipment. And you get confidence in getting more done with less costs.

Our excavators have a rock-solid reputation. Over one-third of all hydraulic mining excavators working across the world are Hitachi. All of our excavators, like the EX1200-6, are engineered to give you the flexibility to handle many different jobs. You get strong horsepower, efficient engines, comfortable cabs, advanced hydraulics, tough frames and powerful arm and bucket-digging forces so you can get more work done every day. With Hitachi excavators you get more productivity and greater value for the money.

Choose the EX1200-6, and you'll get performance that keeps your jobs...

**MOVING AHEAD, NEVER BEHIND.**







# SPECIALISTS



# PRODUCTIVITY



■ You get flexible Boom/Swing modes. The boom- or swing-priority mode can be selected for higher production.



■ **Boom-Priority Mode.**  
When swing angle is small in a cycle of digging, swinging and dumping, boom raise speed increases to reduce a cycle time.



■ **Swing-Priority Mode.**  
When swing angle is large in a cycle of digging, swinging and dumping, swing speed increases to reduce a cycle time.



■ **Heavy Lift Switch.**  
Turning ON the heavy lift switch decreases the front speed, and boosts boom and arm forces to increase the front lifting force by 7%. Turning OFF the switch, the arm and boom forces resume. This function is convenient when moving a heavy load at a slow speed.





# HUGE PERFORMANCE FOR HUGE JOBS.

## BIGGER PRODUCTIVITY FROM THE START.

From the first day you put an EX1200-6 to work for you, you'll get more done. The advanced hydraulic system is best-in-class for smooth, combined bucket-tilt, boom-raise and fast pass speeds which delivers quicker loading times. In addition, the EX1200-6 gives you a stronger boom and a bigger bucket for increased lift capacity and the smoothest, most precise operation.

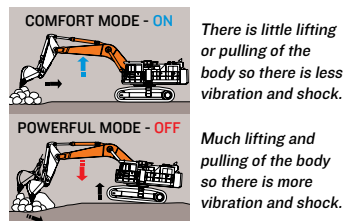
For even higher productivity, operators get switchable power modes adjustable for every job. The power modes include a deep-end power mode that gives you the muscle to get the heaviest jobs done, and a fuel-saving mode for less heavy jobs, which significantly reduces fuel costs and saves you money. The EX1200-6 also raises productivity with an exclusive auto-level crowd mechanism that allows for easy one-lever crowding of the bucket into the material at a constant level. With the Hitachi EX1200-6, you'll be able to do...

## WORK ANYWHERE, ANYTIME.

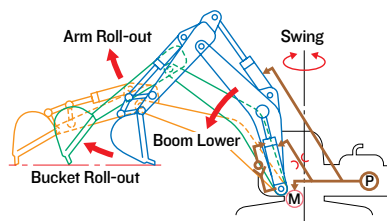


■ The two boom modes, comfort and powerful modes, can be selected according to job needs, extending the service life of the machine.

■ When the boom mode selector is On, the comfort mode is selected for efficient excavation, while the selector is Off, the powerful mode for productive excavation.



■ The boom recirculation system efficiently recirculates oil in the boom circuit when the boom lowers, delivering more pressurized oil to the arm to increase arm-lowering speed.



■ To meet all your job requirements, the EX1200-6 is available in both front-shovel and backhoe configurations.



## IMPROVED CAB THAT IMPROVES COMFORT.

### MORE COMFORT, MORE PRODUCTIVITY.

As excavator specialists, we've designed the EX1200-6 operator station to make your operators as comfortable, safe and productive as possible. We've updated the cab to make it even roomier, with a more comfortable seat and greater visibility. The relaxed comfort of the cab lets your operators stay productive even on long work shifts.

Your operators will also feel good about the well-insulated, pressurized cab. It keeps dust out while maintaining a comfortable temperature even during extreme outside weather conditions, thanks to a highly efficient heating/air conditioning system. In addition, the cab is comfortable for operators of all sizes, with plenty of room for legs and feet. Add it all up, and the EX1200-6 makes your operators...

### COMFORTABLE, SAFE AND EFFICIENT.



■ The color LCD monitor displays operating and machine-event information which adds to productivity and helps lower downtime with better, on-time maintenance.



■ The standard remote rearview monitoring camera gives the operator wider vision of the work area, and eliminates almost all blind spots.



■ The multifunction, multi-language LCD monitor is easy to read and provides key data about the excavator. The MIC mining system uses a data logging unit to record daily operating conditions and warnings. The monitor can be preset to indicate replacement intervals for engine oil, hydraulic oil and filters.



■ An optional slide ladder gives the operator even easier access to the cab and working platform.



# COMFORT



■ The heated, multi-position, air-suspension seat travels 10.5 inches, together or independently of the control console, allowing operators to customize their working environment.

■ The short throw pilot control levers provide extremely precise and smooth boom and bucket control, requiring less effort and movement.



■ The sturdy cab protects operators from falling objects. The cab's top guard conforms to OPG Level II (ISO) specifications. The entire cab sits on a package of fluid-filled elastic mounts that reduce vibrations and deliver a more comfortable ride.



# DURABILITY



■ You get rock solid durability from a rigid box frame that resists bending and twisting forces, and provides great strength and balance to handle heavy digging and loading jobs.

■ The EX1200-6 provides you with an upgraded, more brawny undercarriage. The larger diameter swing bearing provides increased reliability and durability, plus improved stability.

■ Both standard and BE booms have thicker plate steel. The buckets are stronger and larger, and the refined geometry produces increased lift capacity and durability.

■ You can get optional full-length track guards that protect the tracks against rocks and other objects. In addition, wider track shoes and a longer undercarriage frame are available to improve flotation in soft conditions.

■ Two grease-filled floating pins, at the boom top and at A linkage, increase the sealing ability, extend pin life and reduce repair costs. Wear plates are provided on both sides of a boss at the arm top.

■ The oil cooler is separated from the radiator to effectively cool down hydraulic oil. This helps extend the service life of hydraulics.



# DURABILITY YOU CAN RELY ON.

## TOUGH ENOUGH FOR THE ROUGHEST JOBS.

You deal with a lot of tough jobs, which is why you demand extremely durable excavators – and why choosing the EX1200-6 is smart. It's designed and built with the strength to give you daily performance. The EX1200-6 is built with uptime features like heavy-duty digging structures and reliable hydraulic, electrical and undercarriage components.

The boom, arm and mainframe are so durable, you can count on them to perform year after year. In addition, you get more uptime from the efficient Cummins EPA Tier 2 diesel engine that's one of the most fuel efficient engines of all, plus is very eco-friendly. The EX1200-6 also provides you more durability with advanced hydraulic hosing to the boom that increases reliability of the hydraulic system. By adding the EX1200-6 to your team, you'll get...

## DURABILITY THAT DELIVERS MORE ABILITY.



■ The travel devices are compact-designed to reduce damage for higher mobility, reducing downtime.



■ The center track frame of integral cast steel structure can avoid stress concentration and increase reliability.



■ At the idler pedestal that sustains the front idler, its contact length is lengthened by approximately 90% to increase strength and service life.



■ Track links are enlarged to increase strength for higher durability and reliability especially on rugged ground.

## EASY MAINTENANCE THAT'S HARD TO BEAT.

### SAVE MONEY, REDUCE DOWNTIME.

Another big advantage of the EXI200-6 is that it provides easy, quick maintenance. The simple servicing, inspection and cleaning of the EXI200-6 reduces costs and gives you faster return to work. The EXI200-6 is loaded with time- and money-saving maintenance features like easy-to-check sight gauges and fluid reservoirs, quick-change remote-mounted filters, advanced self-diagnostics and extended filter replacement intervals. When you're operating an EXI200-6, you always get...

### FASTER MAINTENANCE, QUICKER UPTIME.



■ **Parallel Arrangement of Radiator and Oil Cooler.** The radiator and oil cooler are arranged side by side to increase cooling efficiency. This also reduces cleaning time and effort remarkably.



■ **Auto Dust Ejector (Air Cleaner).** The auto dust ejector automatically ejects airborne dust and particles to keep filter elements clean and extend their replacement intervals.



■ **Wide-Open Inspection Doors.** Inspection doors open wide for easy maintenance.



■ **Easily Replaceable Air Conditioner Filter.** An air conditioner filter is located to the cab door side behind the operator seat for easy cleaning and replacing.



# TIME-SAVING



■ **Electric Grease Gun.**  
An electric grease gun is provided standard with a hose reel for convenient lubrication of the swing circle and bucket pins (backhoe). (Loading Shovel Bucket pins are lubricated by Auto-Lubrication System)



■ **Auto Lubrication System.**  
The auto lubrication system is provided standard for lubrication of the front attachment pins to simplify daily maintenance, excludes lubricating the bucket and linkage pins on the backhoe (only) and the swing circle.



■ **New Delivery Filters.**  
Newly added to the delivery side of the hydraulic pumps, filtering the hydraulic oil between the pumps and control valve for added protection to the hydraulic system.



■ **Optional Slide Ladder.**  
The slide ladder is optionally available on the left side of the machine for easy access to the cab and working platform.

## FOCUSED ON YOU, NO DISTRACTIONS.

### OUR BUSINESS IS SUPPORTING YOUR BUSINESS.

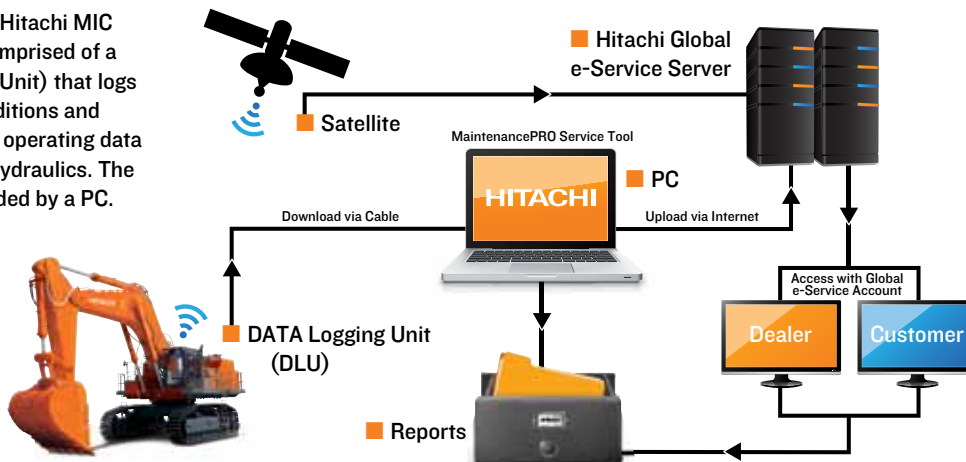
It can be very frustrating when you need service or parts – but can't get them quickly because the manufacturer is distracted dealing with all kinds of other equipment customers.

That won't happen when you choose Hitachi.

Because we concentrate on excavators and trucks, you can count on us to respond rapidly. You'll get the parts you need. The service you want. And the customer support you deserve. We stand behind you with a strong dealer network, a skilled factory support team, trained mechanics, and one of the best, most comprehensive warranty and maintenance programs available. Because we concentrate on you, you can stay...

### CONCENTRATED ON YOUR BUSINESS.

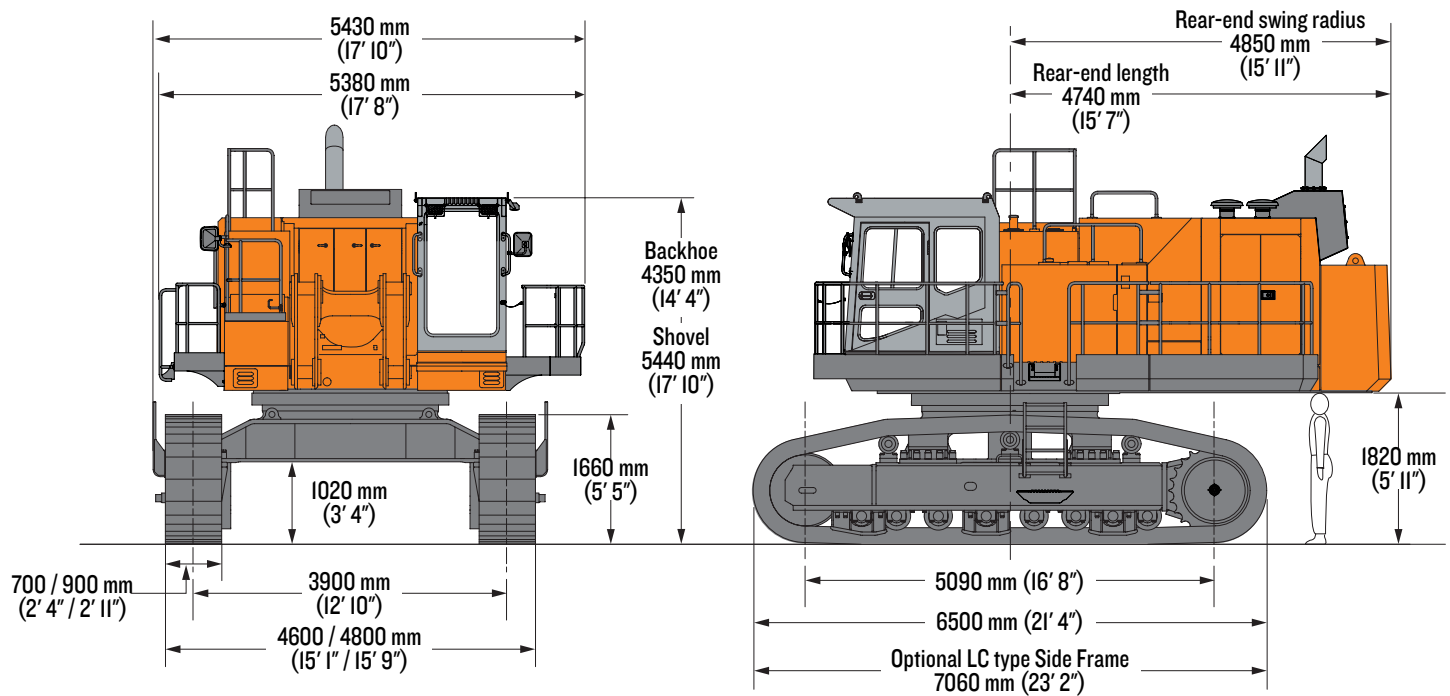
■ **MIC Mining.** The Hitachi MIC mining system is comprised of a DLU (Data Logging Unit) that logs daily operating conditions and warnings, including operating data on the engine and hydraulics. The log can be downloaded by a PC.







# SUPPORT



<b>Engine</b>	<b>EX1200-6</b>
<b>Manufacturer and Model</b>	<b>Cummins QSK23-C</b>
<b>Type</b>	4 cycle
<b>Aspiration</b>	Water-cooled, 6-cylinder in line, turbocharged direct injection chamber-type diesel engine
<b>Emission Certification</b>	U.S.EPA Tier2
<b>Rated Power</b>	
Gross power (SAE J1995)	567 kW (760 hp) at 1800 min <sup>-1</sup> (rpm)
Net power	552 kW (740 hp) at 1800 min <sup>-1</sup> (rpm)
<b>Maximum torque</b>	3468 Nm (354 kgf-m) at 1350 min <sup>-1</sup> (rpm)
<b>Piston displacement</b>	23.15L (1,413 cu. in.)
<b>Bore and stroke</b>	170 mm x 170 mm (6.7 in. x 6.7 in.)
<b>Starting system</b>	24 V electric motor
<b>Batteries</b>	2 x 12 V, 2 x 220 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)**

Ensures fully independent and combined operations.

**Additional Features**

- Fuel-saving Pump System (FPS)
- Auto-idling system
- High-pressure 2-speed travel system for high traction force and travel speed
- Forced-cooling pump drive system

**TIG (Tungsten Insert Gas) welding pipings**

**Main Pumps**

Three variable-displacement, swash plate-type axial piston pumps

<b>Maximum oil flow</b>	3 x 520 L/min (3 x 134.4 gal./min.)
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**Pilot Pump**

<b>Gear pump</b>	
<b>Maximum oil flow</b>	56.0 L/min (14.8 gal./min.)

**Relief Valve Settings**

<b>Boom/arm/bucket circuit</b>	31.9 MPa (325 kgf/cm <sup>2</sup> ) (4,627 psi)
<b>Travel circuit</b>	34.3 MPa (350 kgf/cm <sup>2</sup> ) (4,975 psi)
<b>Swing circuit</b>	27.4 MPa (280 kgf/cm <sup>2</sup> ) (3,974 psi)
<b>Pilot circuit</b>	3.9 MPa (40 kgf/cm <sup>2</sup> ) (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.



# SPECS

## Cylinder Dimensions (Backhoe)

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

## Cylinder Dimensions (Loading Shovel)

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

## Hydraulic Filters

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

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

These filters are centralized in arrangement for facilitating maintenance.

## Controls

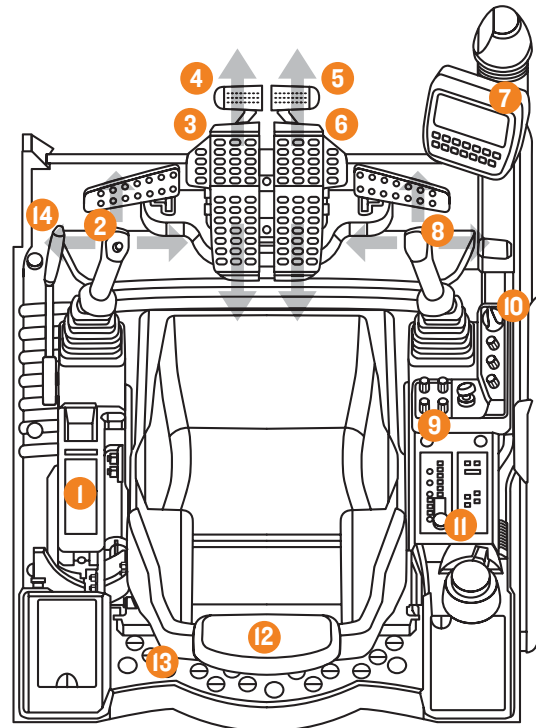
### Two Implement Levers

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

### Two Travel Levers with Pedals

Remote-controlled hydraulic servo system. Independent drive at each track allows counterrotation 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 Multi Function Monitor Panel
- 8 Right Control Lever
- 9 Switch Panel
- 10 Key Switch
- 11 Right Console
- 12 Operator's Seat
- 13 Glove Compartment
- 14 Pilot Control Shut-Off Lever





### Upperstructure

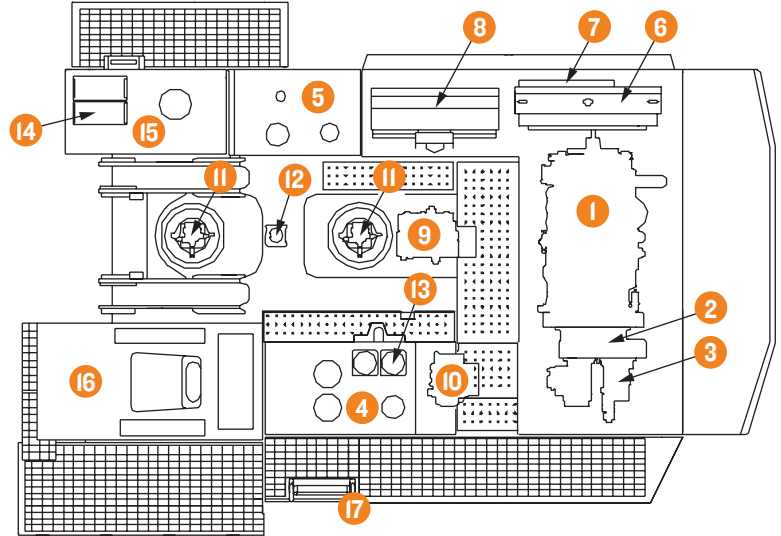
#### Revolving Frame

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.

- 1 Engine
- 2 Pump Drive Unit
- 3 Hydraulic Pump x 3
- 4 Hydraulic Oil Tank
- 5 Fuel Tank
- 6 Engine Radiator
- 7 Engine Air Cooler
- 8 Oil Cooler
- 9 Main Control Valve
- 10 Swing Control Valve
- 11 Swing Device x 2
- 12 Center Joint
- 13 Filters
- 14 Batteries
- 15 Auto-Lubrication System
- 16 Operator Cab
- 17 Slide Ladder (Optional)



#### Swing Device

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

Swing speed 5.2 rpm

#### Operator's Cab

The sturdy cab, with the top guard conforming to OPG Level II (ISO) helps protect the operator from falling objects. Independent, pressurized, 1100 mm (3.6 ft.) wide, 1900 mm (6.2 ft.) high, roomy 3.46 m<sup>3</sup> (122 ft. cu.) cab with tinted-glass windows features all-round visibility. Spring-suspension-type, fully-adjustable reclining seat with armrests; movable with or without front and swing control levers by slide. Instruments and control panel are within easy reach of the operator. Powerful fresh air ventilation-type air conditioner. Cool-and-hot box and rotatable blower louvers also serve as defrosters. Thus, rapid air-conditioning can be achieved for operator comfort. Fluid-filled elastic-mounting and soundproofing structure to reduce noise level and vibration.

Noise level 75 dB (A) in the cab at maximum engine speed under no-load condition

#### Eye level height

Backhoe 3650 mm (12 ft.)  
Loading Shovel 4730 mm (15 ft. 6 in.)

# SPECS

## Undercarriage

### Tracks

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

### Tractor-Type Undercarriage

Double grouser track shoes of induction-hardened rolled alloy

Shoe width 700 mm (28 in.) standard  
900 mm (35 in.) optional (for Backhoe attachment only)

### Number of Rollers and Shoes (each side)

	Standard Side Frames	LC-Type Side Frames
Upper rollers	3	3
Lower rollers	8	9
Track shoes	49	53

### Travel Device

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

Travel speeds Low: 0 – 2.4 km/h (0 – 1.5 mph)  
High: 0 – 3.5 km/h (0 – 2.2 mph)

Maximum traction force 707 kN (72 100 kgf) (158,940 lbf.)

Gradeability 70% (35°) maximum

## Weights and Ground Pressure

**Backhoe:** Equipped with 9.0 m (29 ft. 6 in.) boom, 3.6 m (11 ft. 10 in.) arm, and 5.2 m<sup>3</sup> (6.8 yd. cu.) (SAE heaped) bucket.

Shoe Type	Side Frames	Shoe Width	Operating Weights	Ground Pressure	Application
Double Grousers	Standard 6500 mm (21 ft. 4 in.)	700 mm (28 in.)	111 000 kg (244,713 lb.)	142 kPa (1.45 kgf/cm <sup>2</sup> ) (20.6 psi)	For Ordinary Ground (Standard)
		900 mm (35 in.)	113 000 kg (249,122 lb.)	112 kPa (1.14 kgf/cm <sup>2</sup> ) (16.2 psi)	For Weak Footing (Optional)
	LC Type 7060 mm (23 ft. 2 in.)	1000 mm (39 in.)	115 000 kg (254,000 lb.)	92 kPa (0.94 kgf/cm <sup>2</sup> ) (13.3 psi)	For Soft Terrain (Standard)
		1100 mm (43 in.)	116 000 kg (256,000 lb.)	85 kPa (0.87 kgf/cm <sup>2</sup> ) (12.3 psi)	For Swampy Terrain (Optional)

**Backhoe: BE-front:** Equipped with 7.55 m (24 ft. 9 in.) BE-boom, 3.4 m (11 ft. 2 in.) BE-arm, and 6.7 m<sup>3</sup> (8.8 yd. cu.) (SAE heaped) bucket.

Shoe Type	Side Frames	Shoe Width	Operating Weights	Ground Pressure	Application
Double Grousers	Standard 6500 mm (21 ft. 4 in.)	700 mm (28 in.)	112 000 kg (246,917 lb.)	143 kPa (1.46 kgf/cm <sup>2</sup> ) (20.7 psi)	For Ordinary Ground (Standard)
		900 mm (35 in.)	114 000 kg (251,327 lb.)	113 kPa (1.15 kgf/cm <sup>2</sup> ) (16.4 psi)	For Weak Footing (Optional)

**Loading Shovel:** Equipped with 6.5 m<sup>3</sup> (8.5 yd. cu.) (SAE heaped) bottom dump bucket.

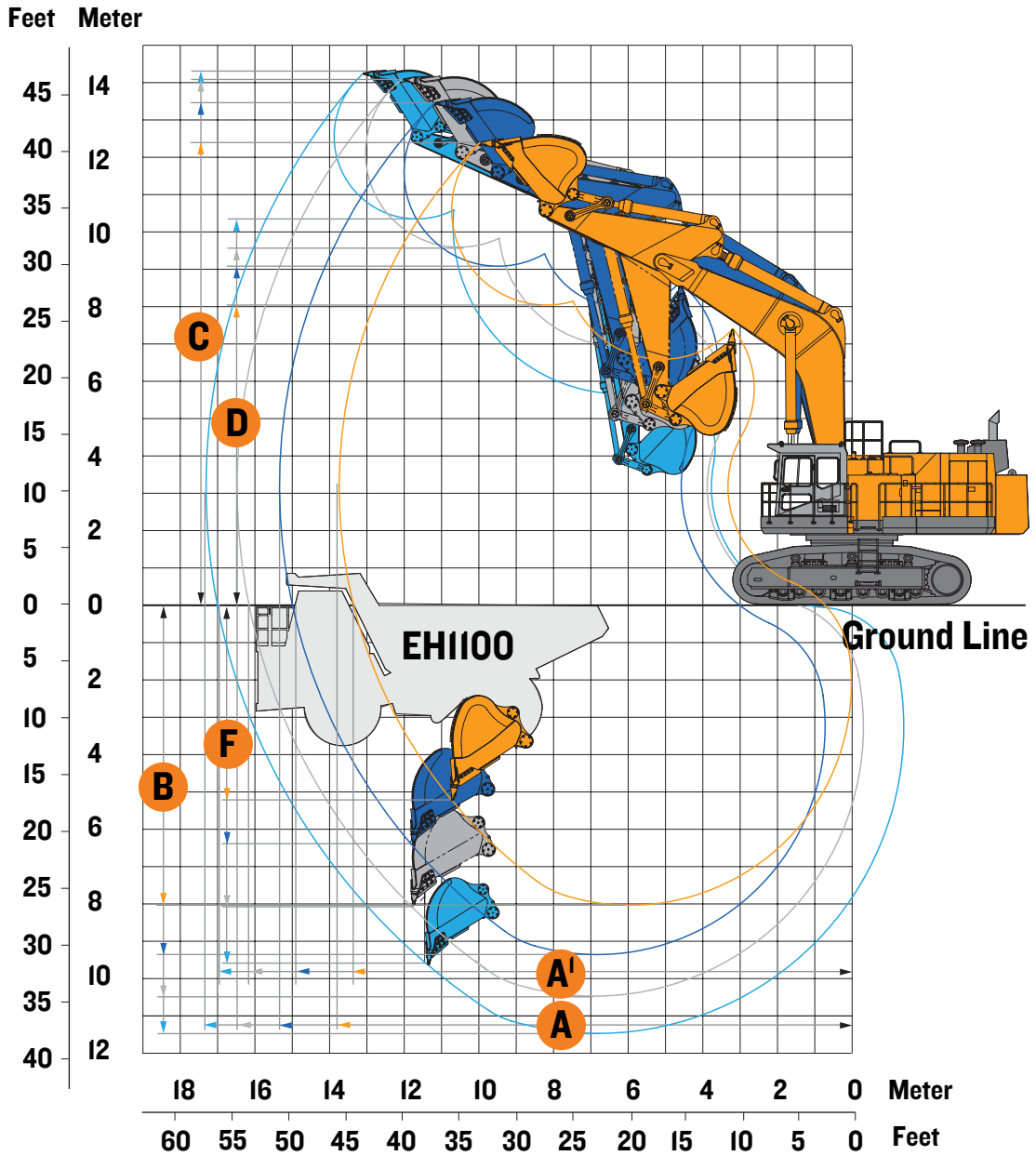
Shoe Type	Side Frames	Shoe Width	Operating Weights	Ground Pressure	Application
Double Grousers	Standard 6500 mm (21 ft. 4 in.)	700 mm (28 in.)	114 000 kg (251,327 lb.)	146 kPa (1.49 kgf/cm <sup>2</sup> ) (21.2 psi)	For Ordinary Ground (Standard)

Notes: 1000-mm (39 in.) / 1100-mm (43 in.) shoes are to be used only for operation on soft and swampy terrain. If they are used on a rough ground with gravels and rocks, they may be bent and cause shoe bolt loosening or damaging track links and/or rollers. 1000-mm (39 in.) / 1100-mm (43 in.) shoes cannot be used for machines with the BE or LD front attachment, but only for machines with the backhoe front attachment

## Service Refill Capacities

Fuel tank	1470L (388.3 gal.)
Engine coolant	139L (36.7 gal.)
Engine oil	70L (18.5 gal.)
Pump drive	15L (4 gal.)
Swing device (each side)	25L (6.6 gal.)
Travel final device (each side)	43L (11.4 gal.)
Hydraulic system	1350L (356.6 gal.)
Hydraulic oil tank	610L (161.1 gal.)





- 7.5-m (24 ft. 9 in.) Boom, 3.4-m (11 ft. 2 in.) Arm and 6.7-m<sup>3</sup> (8.8 cu. yd.) Bucket
- 9.0-m (29 ft. 6 in.) Boom, 3.6-m (11 ft. 10 in.) Arm and 5.2-m<sup>3</sup> (6.8 cu. yd.) Bucket
- 9.0-m (29 ft. 6 in.) Boom, 4.7-m (15 ft. 5 in.) Arm and 4.0-m<sup>3</sup> (5.2 cu. yd.) Bucket
- 9.0-m (29 ft. 6 in.) Boom, 6.0-m (19 ft. 8 in.) Arm and 3.4-m<sup>3</sup> (4.5 cu. yd.) Bucket

# SPECS

## Backhoe Attachments

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

Two-points support-type boom cylinder pin linkage

Double lip pin seals (in all portions) plus O-ring at arm top and link A

Floating-type pin at the arm top and link A for bucket linkage.

## BE (Bulk Excavation) front

BE-front: The EX1200-6 BE-front is designed and manufactured as a production-oriented BE machine. Its features include a short arm and boom, large-capacity bucket, large-digging force and superb digging / loading capability.

## Operating Weights

Capacity (heaped)	Width without shroud	Width with shroud	No. of teeth	Weight	Type	Materials density	
						● BE-front	● Standard
						7.5 m (24 ft. 9 in.) BE-boom 3.4 m (11 ft. 2 in.) BE-arm	9.0 m (29 ft. 6 in.) boom 3.6 m (11 ft. 10 in.) arm
5.2 m <sup>3</sup> (6.8 cu. yd.)	1940 mm (6 ft. 4 in.)	2120 mm (6 ft. 11 in.)	5	4910 kg (10,825 lb.)	○	—	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )
5.2 m <sup>3</sup> (6.8 cu. yd.)	1900 mm (6 ft. 3 in.)	2000 mm (6 ft. 7 in.)	5	5930 kg (13,073 lb.)	●	—	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )
5.8 m <sup>3</sup> (7.6 cu. yd.)	2120 mm (6 ft. 11 in.)	2220 mm (7 ft. 3 in.)	5	6930 kg (15,278 lb.)	●	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )	—
6.7 m <sup>3</sup> (8.8 cu. yd.)	2300 mm (7 ft. 7 in.)	2400 mm (7 ft. 11 in.)	5	6650 kg (14,661 lb.)	○	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )	—
						● Semi-Long	● Long
						9.0 m (29 ft. 6 in.) BE-boom 4.7 m (15 ft. 5 in.) BE-arm	9.0 m (29 ft. 6 in.) boom 6.0 m (19 ft. 8 in.) arm
4.0 m <sup>3</sup> (5.23 cu. yd.)	1700 mm (5 ft. 7 in.)	—	5	3800 kg (8,380 lb.)	○	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )	—
3.4 m <sup>3</sup> (4.5 cu. yd.)	1500 mm (4 ft. 11 in.)	—	5	3600 kg (7,940 lb.)	○	—	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )

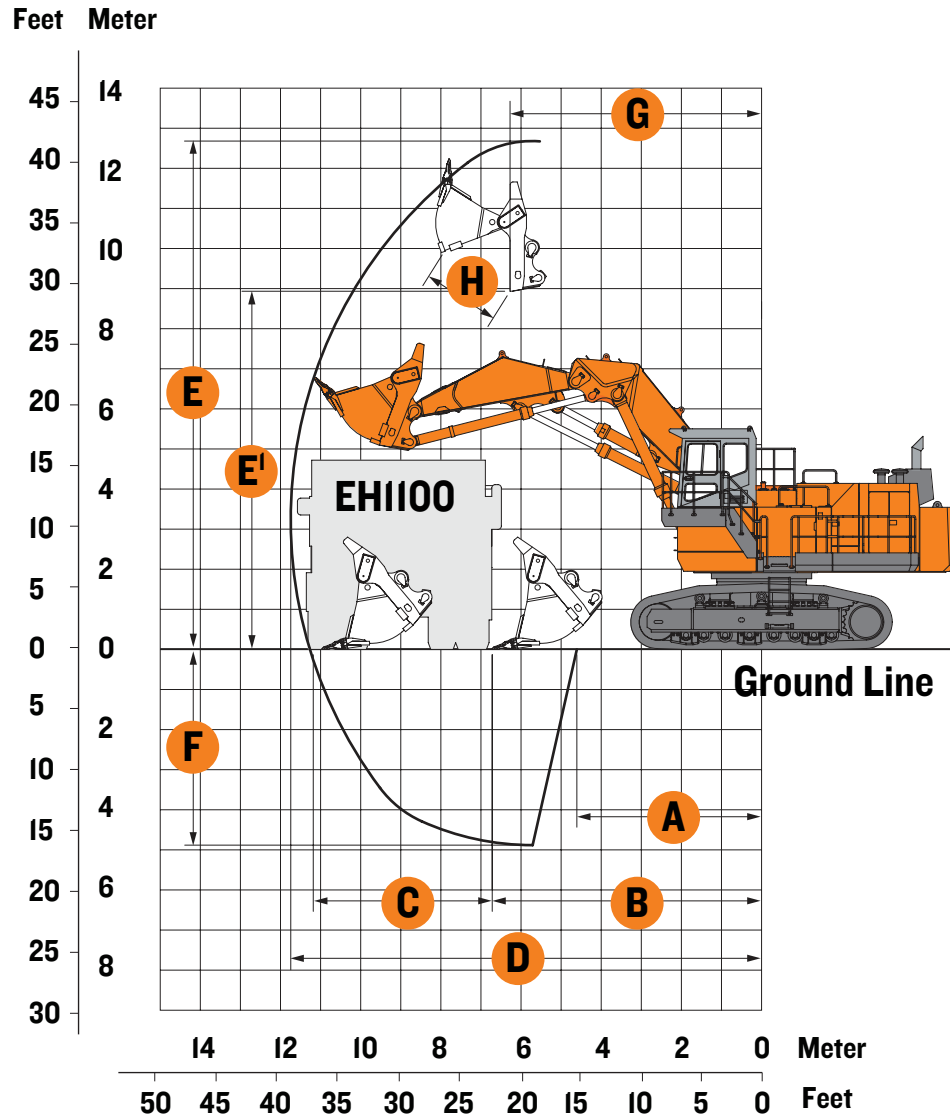
● :Rock bucket ○ :General purpose bucket — :Not applicable

## Operating Dimensions

<b>Boom length</b>	● 7.5 m (24 ft. 9 in.)	● 9.0 m (29 ft. 6 in.)	● 9.0 m (29 ft. 6 in.)	● 9.0 m (29 ft. 6 in.)
<b>Arm length</b>	● 3.4 m (11 ft. 2 in.)	● 3.6 m (11 ft. 10 in.)	● 4.7 m (15 ft. 5 in.)	● 6.0 m (19 ft. 8 in.)
<b>Arm Crowd Force</b>				
SAE	● 425 kN (95,544 lb.)	● 422 kN (94,869 lb.)	● 346 kN (77,784 lb.)	● 305 kN (68,567 lb.)
ISO	● 438 kN (98,466 lb.)	● 430 kN (96,668 lb.)	● 352 kN (79,133 lb.)	● 311 kN (69,916 lb.)
<b>Bucket Digging Force</b>				
SAE	● 512 kN (115,102 lb.)	● 440 kN (98,916 lb.)	● 440 kN (98,916 lb.)	● 310 kN (69,691 lb.)
ISO	● 569 kN (127,916 lb.)	● 482 kN (108,358 lb.)	● 482 kN (108,358 lb.)	● 344 kN (77,334 lb.)
<b>A Maximum Digging Reach</b>	● 13 750 mm (45 ft. 1 in.)	● 15 350 mm (50 ft. 4 in.)	● 16 430 mm (53 ft. 11 in.)	● 17 330 mm (56 ft. 10 in.)
<b>A' Maximum Reach at Ground Level</b>	● 13 360 mm (43 ft. 10 in.)	● 15 010 mm (49 ft. 3 in.)	● 16110 mm (52 ft. 10 in.)	● 17 030 mm (55 ft. 10 in.)
<b>B Maximum Digging Depth</b>	● 8050 mm (26 ft. 5 in.)	● 9380 mm (30 ft. 9 in.)	● 10 480 mm (34 ft. 5 in.)	● 11 470 mm (37 ft. 8 in.)
<b>B' Maximum Digging Depth at 2.5-m (8 ft.) Flat Bottom</b>	● 7920 mm (26 ft.)	● 9260 mm (30 ft. 4 in.)	● 10 380 mm (34 ft. 0 in.)	● 11 380 mm (37 ft. 4 in.)
<b>C Maximum Cutting Height</b>	● 12 410 mm (40 ft. 9 in.)	● 13 460 mm (44 ft. 2 in.)	● 14 110 mm (46 ft. 4 in.)	● 14 250 mm (46 ft. 9 in.)
<b>D Maximum Dumping Height</b>	● 8050 mm (26 ft. 5 in.)	● 9080 mm (29 ft. 10 in.)	● 9610 mm (31 ft. 6 in.)	● 10 360 mm (34 ft. 0 in.)
<b>F Maximum Vertical Wall</b>	● 5180 mm (17 ft.)	● 6450 mm (21 ft. 2 in.)	● 8050 mm (26 ft. 5 in.)	● 9630 mm (31 ft. 7 in.)

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.





# SPECS

## Backhoe Attachments

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

Dual-support-type boom/arm/bucket pin linkage

Double lip pin seals plus O-ring at arm top

## Operating Weights

Capacity (heaped)	Width	No. of teeth	Weight	Type	Materials density
5.9 m <sup>3</sup> (7.7 cu. yd.)	2510 mm (8 ft. 3 in.)	6	10 000 kg (22,046 lb.)	●	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )
6.5 m <sup>3</sup> (8.5 cu. yd.)	2700 mm (8 ft. 10 in.)	6	9390 kg (20,701 lb.)	○	1800 kg/m <sup>3</sup> (3,033 lb./yd. <sup>3</sup> )

● :Bottom dump type rock bucket

○ :Bottom dump type general purpose bucket

## Operating Dimensions

<b>Bucket capacity (heaped)</b>	6.5 m <sup>3</sup> (8.5 cu. yd.)
<b>Arm crowding force on ground</b>	585 kN (13,1513 lb.)
<b>Bucket digging force</b>	709 kN (159,390 lb.)
<b>A Minimum digging distance</b>	4510 mm (14 ft. 10 in.)
<b>B Minimum level crowding distance</b>	6580 mm (21 ft. 7 in.)
<b>C Level crowding distance</b>	4370 mm (14 ft. 4 in.)
<b>D Maximum digging reach</b>	11 500 mm (37 ft. 9 in.)
<b>E Maximum cutting height</b>	12 410 mm (40 ft. 9 in.)
<b>E' Maximum dumping height</b>	8750 mm (28 ft. 8 in.)
<b>F Maximum digging depth</b>	4780 mm (15 ft. 8 in.)
<b>G Working radius at maximum dumping height</b>	6140 mm (20 ft. 2 in.)
<b>H Maximum bucket opening width</b>	1880 mm (6 ft. 2 in.)

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.



# LIFTING CAPACITIES

### EX1200-6 BE (Metric measure)

Unit: 1000 kg

Load Point Height	2.0 m		4.0 m		6.0 m		8.0 m		10.0 m		At maximum reach		meter	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 BE with 7.55-m boom, 3.4-m arm, 6.7-m <sup>3</sup> Bucket (SAE) and 700-mm shoes														
8.0 m										*16.7	*16.7	*6.74	*6.74	12.6
										*18.1	*18.1	*7.75	*7.75	
6.0 m										*18.3	*18.3	*6.82	*6.82	13.1
										18.8	*20.5	*7.84	*7.84	
4.0 m							*25.0	*25.0	17.8	*19.8	*7.24	*7.24	13.3	
							27.1	*27.9	17.8	*22.3	*8.29	*8.29		
2.0 m							24.9	*28.7	16.6	*21.5	*8.05	*8.05	13.0	
							24.9	*32.0	16.6	*22.6	*9.17	*9.17		
Ground Line							23.4	*30.5	15.8	21.7	*9.44	*9.44	12.4	
							23.4	32.1	15.8	21.7	10.4	*10.7		
-2.0 m					37.9	*41.0	22.7	*29.7	15.3	21.2				
					37.9	*45.7	22.7	31.4	15.3	21.2				
-4.0 m			*42.2	*42.2	*34.7	*34.7	22.8	*25.8	15.6	*17.5				
			*47.2	*47.2	38.3	*38.9	22.8	*29.0	15.6	*19.9				
-6.0 m					*23.3	*23.3	*15.8	*15.8						
					*26.4	*26.4	*18.2	*18.2						

### EX1200-6 BE (English measure)

Unit: 1,000 lb.

Load Point Height	15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		At maximum reach		feet	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 BE with 24 ft. 9 in. boom, 11 ft. 2 in. arm, 8.8 cu. yd. Bucket (SAE) and 28 in. shoes														
30 ft.												*15.1	*15.1	39.8
												*17.4	*17.4	
25 ft.										*30.5	*30.5	*14.8	*14.8	41.9
										*33.9	*33.9	*17.1	*17.1	
20 ft.							*42.2	*42.2	36.2	*38.6	*15.0	*15.0	43.1	
							*47.4	*47.4	36.2	*43.5	*17.3	*17.3		
15 ft.			*72.2	*72.2	*55.3	*55.3	*46.0	*46.0	34.8	*40.4	*15.6	*15.6	43.6	
			*79.9	*79.9	*61.6	*61.6	47.7	*51.6	34.8	*45.6	*17.9	*17.9		
10 ft.					62.3	*63.2	45.1	*50.4	33.4	*42.6	*16.7	*16.7	43.3	
					62.3	*70.4	45.1	*56.4	33.4	46.7	*19.1	*19.1		
5 ft.					58.4	*69.3	42.7	*54.0	31.9	*44.5	*18.3	*18.3	42.3	
					58.4	*77.2	42.7	59.8	31.9	45.2	*20.9	*20.9		
Ground Line					55.9	*71.9	40.9	*56.0	30.8	44.0	*20.8	*20.8	40.5	
					55.9	79.4	40.9	57.8	30.8	44.0	22.9	*23.5		
-5 ft.			81.1	*91.4	54.7	*70.8	39.8	*55.5	30.1	43.3	*24.6	*24.6	37.7	
			81.1	*102	54.7	78.1	39.8	56.7	30.1	43.3	26.5	*27.5		
-10 ft.	*99.3	*99.3	81.4	*83.1	54.5	*65.9	39.5	*51.7	30.3	*38.4				
	*111	*111	81.4	*92.7	54.5	*73.8	39.5	56.4	30.3	43.5				
-15 ft.	*82.6	*82.6	*70.0	*70.0	55.2	*56.0	40.3	*42.2						
	*92.6	*92.6	*78.5	*78.5	55.2	*63.1	40.3	*48.0						
-20 ft.			*49.0	*49.0	*37.0	*37.0								
			*55.8	*55.8	*42.5	*42.5								

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.

# SPECS

## LIFTING CAPACITIES

### EX1200-6 BE (Metric measure)

Unit: 1000 kg

Load Point Height Horizontal Distance from Centerline of Rotation	2.0 m		4.0 m		6.0 m		8.0 m		10.0 m		At maximum reach		meter	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 BE with 7.55-m boom, 3.4-m arm, 6.7-m <sup>3</sup> Bucket (SAE) and 900-mm shoes														
8.0 m										*16.7	*16.7	*6.73	*6.73	12.6
										*18.1	*18.1	*7.75	*7.75	
6.0 m										*18.3	*18.3	*6.82	*6.82	13.1
										19.1	*20.5	*7.84	*7.84	
4.0 m							*25.0	*25.0	18.1	*19.8	*7.24	*7.24	13.3	
							27.5	*27.9	18.1	*22.3	*8.29	*8.29		
2.0 m							25.2	*32.0	16.9	*21.5	*8.05	*8.05	13.0	
							25.2	*32.0	16.9	23.7	*9.17	*9.17		
Ground Line							23.7	*30.5	16.0	*22.5	*9.44	*9.44	12.4	
							23.7	33.6	16.0	22.8	10.6	*10.7		
-2.0 m					38.4	*41.0	23.1	*29.7	15.6	*21.7				
					38.4	*45.7	23.1	32.9	15.6	22.3				
-4.0 m			*42.2	*42.2	*34.7	*34.7	23.2	*25.8	15.8	*17.5				
			*47.2	*47.2	*38.9	*38.9	23.2	*29.0	15.8	*19.9				
-6.0 m					*23.3	*23.3	*15.8	*15.8						
					*26.4	*26.4	*18.2	*18.2						

### EX1200-6 BE (English measure)

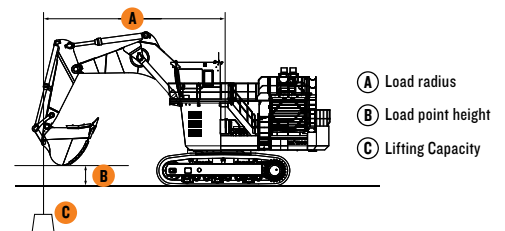
Unit: 1,000 lb.

Load Point Height Horizontal Distance from Centerline of Rotation	15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		At maximum reach		feet	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 BE with 24 ft. 9 in. boom, 11 ft. 10 in. arm, 8.8 cu. yd. Bucket (SAE) and 35 in. shoes														
30 ft.												*15.1	*15.1	39.8
												*17.4	*17.4	
25 ft.										*30.5	*30.5	*14.8	*14.8	41.9
										*33.9	*33.9	*17.1	*17.1	
20 ft.							*42.2	*42.2	36.7	*38.6	*15.0	*15.0	43.1	
							*47.4	*47.4	36.7	*43.5	*17.3	*17.3		
15 ft.			*72.2	*72.2	*55.3	*55.3	*46.0	*46.0	35.4	*40.4	*15.6	*15.6	43.6	
			*79.9	*79.9	*61.6	*61.6	48.4	*51.6	35.4	*45.6	*17.9	*17.9		
10 ft.					63.2	*63.2	45.7	*50.4	33.9	*42.6	*16.7	*16.7	43.3	
					63.2	*70.4	45.7	*56.4	33.9	47.5	*19.1	*19.1		
5 ft.					59.3	*69.3	43.3	*54.0	32.5	*44.5	*18.3	*18.3	42.3	
					59.3	*77.2	43.3	*60.6	32.5	45.9	*20.9	*20.9		
Ground Line					56.8	*71.9	41.5	*56.0	31.3	44.7	*20.8	*20.8	40.5	
					56.8	*80.2	41.5	58.7	31.3	44.7	23.3	*23.5		
-5 ft.			82.3	*91.4	55.6	*70.8	40.5	*55.5	30.7	*44.0	*24.6	*24.6	37.7	
			82.3	*102	55.6	*79.1	40.5	57.6	30.7	44.0	27.0	*27.5		
-10 ft.	*99.3	*99.3	82.6	*83.1	55.4	*65.9	40.2	*51.7	30.8	*38.4				
	*111	*111	82.6	*92.7	55.4	*73.8	40.2	57.3	30.8	*43.8				
-15 ft.	*82.6	*82.6	*70.0	*70.0	*56.0	*56.0	41.0	*42.2						
	*92.6	*92.6	*78.5	*78.5	56.1	*63.1	41.0	*48.0						
-20 ft.			*49.0	*49.0	*37.0	*37.0								
			*55.8	*55.8	*42.5	*42.5								

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.





# LIFTING CAPACITIES

### EX1200-6 STD (Metric measure)

Unit: 1000 kg

Load Point Height Horizontal Distance from Centerline of Rotation	4.0 m		6.0 m		8.0 m		10.0 m		12.0 m		At maximum reach		meter	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 STD with 9.0-m boom, 3.6-m arm, 5.2-m <sup>3</sup> Bucket (SAE) and 700-mm shoes														
10.0 m												*10.1	*10.1	13.5
8.0 m										13.7	*13.9	9.18	*9.93	14.4
6.0 m							*16.2	*16.2	13.2	*14.3	8.13	*10.1		14.8
4.0 m					*24.3	*24.3	17.8	*18.3	12.5	*15.3	7.64	*10.6		14.9
2.0 m					23.5	*27.2	17.8	*20.7	12.5	17.0	7.64	10.9		14.7
Ground Line					23.5	*31.4	16.4	*20.4	11.7	16.2	7.63	10.9		14.2
-2.0 m					22.2	*29.7	15.4	21.3	11.1	15.5	8.17	11.6		13.2
-4.0 m	*21.7	*21.7	*35.2	*35.2	21.8	*27.3	14.9	20.7	11.0	*15.2	9.48	13.3		
-6.0 m	*24.0	*24.0	36.8	*39.4	21.8	30.4	14.9	20.7	11.0	15.4				
			*29.4	*29.4	22.5	*23.1	15.4	*17.0						
			*33.1	*33.1	22.5	*26.1	15.4	*19.4						

### EX1200-6 STD (English measure)

Unit: 1,000 lb.

Load Point Height Horizontal Distance from Centerline of Rotation	15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		40 ft.		At maximum reach		feet	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 STD with 29 ft. 6 in. boom, 11 ft. 10 in. arm, 6.8 cu. yd. Bucket (SAE) and 28 in. shoes																
35 ft.														*22.5	*22.5	43.2
30 ft.									*31.1	*31.1				*22.0	*22.0	45.8
25 ft.									*35.1	*35.1				22.3	*24.5	47.5
20 ft.							*38.3	*38.3	*33.8	*33.8	28.8	*30.6	19.7	*21.9		48.6
15 ft.					*54.2	*54.2	*43.0	*43.0	37.4	*38.3	28.1	*35.6	18.0	*24.8		49.0
10 ft.					*60.6	*60.6	47.0	*48.4	35.5	*41.4	27.1	*37.0	17.0	25.1		48.8
5 ft.							43.9	*47.9	33.5	*39.5	25.9	*34.3	16.7	*24.0		48.0
Ground Line							41.2	*51.9	31.8	*42.2	24.7	35.5	17.0	25.3		46.5
-5 ft.					52.8	*69.9	39.4	*54.3	30.4	43.5	23.8	34.5	18.0	26.7		44.2
-10 ft.					52.1	*69.1	38.4	*54.9	29.6	42.6	23.3	33.9	20.0	*28.9		
-15 ft.			*76.5	*76.5	52.1	*66.3	38.1	*53.5	29.3	42.3	23.2	33.9				
-20 ft.	*83.2	*83.2	*73.8	*73.8	52.1	*74.3	38.1	54.8	29.3	42.3	23.2	33.9				
-25 ft.	*91.0	*91.0	79.1	*82.8	52.7	*61.2	38.4	*49.8	29.6	*40.1						
	*72.1	*72.1	*63.3	*63.3	*52.9	*52.9	39.5	*42.7								
	*81.4	*81.4	*71.4	*71.4	54.0	*59.8	39.5	*48.6								
			*47.1	*47.1	*38.8	*38.8										
			*53.7	*53.7	*44.5	*44.5										

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.





# LIFTING CAPACITIES

### EX1200-6LC STD (Metric measure)

Unit: 1000 kg

Load Point Height Horizontal Distance from Centerline of Rotation	4.0 m		6.0 m		8.0 m		10.0 m		12.0 m		At maximum reach		meter	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6LC STD with 9.0-m boom, 3.6-m arm, 5.2-m <sup>3</sup> Bucket (SAE) and 1000-mm shoes														
10.0 m												*10.1	*10.1	13.5
												*11.2	*11.2	
8.0 m										*13.9	*13.9	9.75	*9.93	14.4
										14.4	*15.8	9.75	*11.1	
6.0 m								*16.2	*16.2	13.9	*14.3	8.69	*10.1	14.8
								*18.3	*18.3	13.9	*16.3	8.69	*11.3	
4.0 m						*24.3	*24.3	*18.3	*18.3	13.2	*15.3	8.19	*10.6	14.9
						27.1	*27.2	18.7	*20.7	13.2	*17.3	8.19	*11.8	
2.0 m						24.7	*28.0	17.3	*20.4	12.5	*16.3	8.20	*11.4	14.7
						24.7	*31.4	17.3	*23.0	12.5	*18.5	8.20	*12.6	
Ground Line						23.4	*29.7	16.3	*21.8	11.9	*17.1	8.76	*12.6	14.2
						23.4	*33.2	16.3	*24.5	11.9	*19.4	8.76	*14.0	
-2.0 m						22.9	*29.3	15.8	*22.0	11.5	*17.0	10.1	*12.8	13.2
						22.9	*32.9	15.8	*24.8	11.5	*19.3	10.1	*13.9	
-4.0 m	*21.7	*21.7	*35.2	*35.2	23.0	*27.3	15.8	*20.8	11.7	*15.2				
	*24.0	*24.0	38.6	*39.4	23.0	*30.7	15.8	*23.5	11.7	*17.4				
-6.0 m			*29.4	*29.4	*23.1	*23.1	16.3	*17.0						
			*33.1	*33.1	23.7	*26.1	16.3	*19.4						

### EX1200-6LC STD (English measure)

Unit: 1,000 lb.

Load Point Height Horizontal Distance from Centerline of Rotation	15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		40 ft.		At maximum reach		feet	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6LC STD with 29 ft. 6 in. boom, 11 ft. 10 in. arm, 6.8 cu. yd. Bucket (SAE) and 39 in. shoes																
35 ft.														*22.5	*22.5	43.2
														*25.1	*25.1	
30 ft.									*31.1	*31.1				*22.0	*22.0	45.8
									*35.1	*35.1				23.6	*24.5	
25 ft.									*31.9	*31.9	30.4	*30.6	20.9	*21.9	47.5	
									*36.1	*36.1	30.4	*34.8	20.9	*24.5		
20 ft.							*38.3	*38.3	*33.8	*33.8	29.6	*31.3	19.2	*22.2	48.6	
							*43.0	*43.0	*38.3	*38.3	29.6	*35.6	19.2	*24.8		
15 ft.					*54.2	*54.2	*43.0	*43.0	*36.6	*36.6	28.6	*32.6	18.3	*22.9	49.0	
					*60.6	*60.6	*48.4	*48.4	37.3	*41.4	28.6	*37.0	18.3	*25.5		
10 ft.							46.1	*47.9	35.4	*39.5	27.4	*34.3	17.9	*24.0	48.8	
							46.1	*53.9	35.4	*44.7	27.4	*38.9	17.9	*26.7		
5 ft.							43.5	*51.9	33.6	*42.2	26.3	*35.8	18.2	*25.6	48.0	
							43.5	*58.3	33.6	*47.7	26.3	*40.7	18.2	*28.4		
Ground Line					55.7	*69.9	41.6	*54.3	32.2	*44.0	25.4	*36.8	19.3	*27.8	46.5	
					55.7	*78.2	41.6	*61.0	32.2	*49.7	25.4	*41.9	19.3	*30.8		
-5 ft.					55.0	*69.1	40.7	*54.9	31.4	*44.5	24.8	*36.9	21.4	*28.9	44.2	
					55.0	*77.4	40.7	*61.7	31.4	*50.4	24.8	*41.9	21.4	*33.0		
-10 ft.			*76.5	*76.5	55.0	*66.3	40.3	*53.5	31.1	*43.5	24.8	*35.1				
			82.1	*83.7	55.0	*74.3	40.3	*60.3	31.1	*49.3	24.8	*40.1				
-15 ft.	*83.2	*83.2	*73.8	*73.8	55.6	*61.2	40.7	*49.8	31.4	*40.1						
	*91.0	*91.0	*82.8	*82.8	55.6	*68.8	40.7	*56.3	31.4	*45.5						
-20 ft.	*72.1	*72.1	*63.3	*63.3	*52.9	*52.9	41.7	*42.7								
	*81.4	*81.4	*71.4	*71.4	56.9	*59.8	41.7	*48.6								
-25 ft.			*47.1	*47.1	*38.8	*38.8										
			*53.7	*53.7	*44.5	*44.5										

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.





# LIFTING CAPACITIES

### EX1200-6LC Semi-Long Arm (Metric measure)

Unit: 1000 kg

Load Point Height Horizontal Distance from Centerline of Rotation	4.0 m		6.0 m		8.0 m		10.0 m		12.0 m		14.0 m		At maximum reach		meter	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6LC Semi-Long Arm with 9.0-m boom, 4.7-m arm, 4.0-m <sup>3</sup> Bucket (SAE) and 1000-mm shoes																
10.0 m										*11.9	*11.9			*6.67	*6.67	14.7
										*13.3	*13.3			*7.58	*7.58	
8.0 m										*12.2	*12.2			*6.55	*6.55	15.5
										*13.9	*13.9			*7.45	*7.45	
6.0 m										*12.9	*12.9	10.2	*10.2	*6.64	*6.64	15.9
										14.6	*14.7	10.2	*11.4	*7.56	*7.56	
4.0 m						*21.8	*21.8	*16.8	*16.8	13.8	*14.1	9.78	*12.6	*6.95	*6.95	16
						*24.4	*24.4	*19.0	*19.0	13.8	*16.1	9.78	*14.5	7.17	*7.89	
2.0 m						25.9	*26.1	18.0	*19.3	12.9	*15.5	9.33	*13.2	7.14	*7.51	15.8
						25.9	*29.2	18.0	*21.7	12.9	*17.6	9.33	*15.1	7.14	*8.49	
Ground Line						24.1	*28.9	16.8	*21.1	12.2	*16.6	8.93	*13.7	7.53	*8.38	15.3
						24.1	*32.4	16.8	*23.8	12.2	*18.9	8.93	15.1	7.53	*9.42	
-2.0 m			*20.6	*20.6	23.1	*29.7	16.0	*22.0	11.7	*17.1	8.71	*12.4	8.50	*9.72	14.4	
			*22.7	*22.7	23.1	*33.3	16.0	*24.8	11.7	19.4	8.71	*13.8	8.50	*10.9		
-4.0 m	*20.1	*20.1	37.9	*39.1	22.9	*28.8	15.7	*21.7	11.5	*16.6				10.4	*11.7	13.1
	*22.3	*22.3	37.9	*42.8	22.9	*32.3	15.7	*24.5	11.5	*18.9				10.4	*13.2	
-6.0 m	*39.5	*39.5	*34.4	*34.4	23.2	*25.9	15.9	*19.5								
	*43.2	*43.2	38.6	*38.6	23.2	*29.2	15.9	*22.2								
-8.0 m			*26.4	*26.4	*20.1	*20.1	*13.5	*13.5								
			*29.9	*29.9	*22.8	*22.8	*15.6	*15.6								

### EX1200-6LC Semi-Long Arm (English measure)

Unit: 1,000 lb.

Load Point Height Horizontal Distance from Centerline of Rotation	10 ft.		15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		40 ft.		45 ft.		At maximum reach		feet			
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front				
EX1200-6LC Semi-Long Arm with 29 ft. 6 in. boom, 15 ft. 5 in. arm, 5.23 cu. yd. Bucket (SAE) and 40 in. shoes																						
35 ft.														*20.7	*20.7			*14.9	*14.9	47.3		
														*23.2	*23.2			*16.9	*16.9			
30 ft.														*26.3	*26.3			*14.5	*14.5	49.6		
														*27.0	*27.0			*14.4	*14.4			
25 ft.														*30.8	*30.8			*16.4	*16.4	51.2		
														*30.4	*30.4	*28.2	*28.2	22.7	*26.1	*14.6	*14.6	52.2
														*34.4	*34.4	30.1	*32.1	22.7	*29.1	16.0	*16.6	
15 ft.									*38.9	*38.9	*33.5	*33.5	28.9	*30.0	22.0	*27.8	*15.1	*15.1			52.5	
									*43.8	*43.8	37.8	*37.9	28.9	*34.1	22.0	30.2	15.2	*17.1				
10 ft.								*56.6	*56.6	*44.3	*44.3	35.6	*36.9	27.5	*32.1	21.2	*28.9	14.9	*15.8		52.3	
								*63.3	*63.3	46.8	*49.8	35.6	*41.8	27.5	*36.5	21.2	29.4	14.9	*17.9			
5 ft.								60.3	*63.9	43.7	*49.2	33.6	*40.1	26.1	*34.2	20.4	28.5	15.1	*16.9		51.6	
								60.3	*71.5	43.7	*55.3	33.6	*45.4	26.1	35.8	20.4	28.5	15.1	*19.1			
Ground Line								57.2	*68.3	41.4	*52.7	31.9	*42.7	24.9	34.6	19.6	27.7	15.8	*18.5		50.2	
								57.2	*76.4	41.4	56.6	31.9	43.7	24.9	34.6	19.6	27.7	15.8	*20.8			
-5 ft.					*40.6	*40.6	55.6	*69.8	39.8	*54.6	30.7	42.4	24.1	33.7	19.1	27.2	17.2	*20.6		48.1		
					*45.0	*45.0	55.6	*78.2	39.8	54.9	30.7	42.4	24.1	33.7	19.1	27.2	17.2	*23.1				
-10 ft.			*33.7	*33.7	*68.1	*68.1	54.9	*68.9	39.0	54.1	30.0	41.7	23.6	33.2			19.7	*23.7		45.3		
			*37.6	*37.6	*74.7	*74.7	54.9	*77.2	39.0	54.1	30.0	41.7	23.6	33.2			19.7	*26.3				
-15 ft.	*45.7	*45.7	*63.7	*63.7	81.4	*82.7	55.0	*65.7	38.8	*52.8	29.8	41.5	23.6	33.2								
	*50.5	*50.5	*69.9	*69.9	81.4	*92.5	55.0	*73.8	38.8	53.9	29.8	41.5	23.6	33.2								
-20 ft.			*92.2	*92.2	*74.3	*74.3	55.8	*59.9	39.3	*48.3	30.3	*38.6										
			*103.3	*103.3	82.8	*83.3	55.8	*67.4	39.3	54.4	30.3	42.0										
-25 ft.			*74.8	*74.8	*61.6	*61.6	*50.1	*50.1	*39.7													
			*84.4	*84.4	*69.6	*69.6	*56.8	*56.8	40.7	*45.3												

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.

# SPECS

# LIFTING CAPACITIES

## EX1200-6 Long Arm (Metric measure)

Unit: 1000 kg

Load Point Height Horizontal Distance from Centerline of Rotation	2.0 m		4.0 m		6.0 m		8.0 m		10.0 m		12.0 m		14.0 m		At maximum reach		meter		
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front			
EX1200-6 Long Arm with 9.0-m boom, 6.0-m arm, 3.4-m <sup>3</sup> Bucket (SAE) and 900-mm shoes																			
10.0 m																*6.34 *7.16	*6.34 *7.16	15.6	
8.0 m														*10.6 11.7	*10.6 *11.7	*6.22 *7.03	*6.22 *7.03	16.3	
6.0 m												*13.0 *14.6	*13.0 *14.6	11.3 11.3	*12.3 *14.0	*6.28 *7.10	*6.28 *7.10	16.7	
4.0 m											*16.6 *18.5	*16.6 *18.5	14.3 14.9	*14.3 *16.2	10.9 10.9	*13.0 14.5	*6.52 7.22	*6.52 *7.36	16.9
2.0 m								*24.9 27.5	*24.9 *27.8	19.2 19.2	*19.2 *21.5	14.0 14	*15.9 *17.9	10.3 10.3	*13.8 13.9	*6.95 7.09	*6.95 *7.82	16.8	
Ground Line					*22.8 *25.0	*22.8 *25.0	25.2 25.2	*28.5 *31.8	17.8 17.8	*21.4 23.8	13.1 13.1	*17.3 17.6	9.82 9.82	13.4 13.4	7.28 7.28	*7.62 *8.55		16.4	
-2.0 m					*27.0 *29.5	*27.0 *29.5	23.8 23.8	*30.5 32.5	16.8 16.8	22.7 22.7	12.4 12.4	16.9 16.9	9.44 9.44	13.0 13.0	7.85 7.85	*8.64 *9.64		15.6	
-4.0 m	*13.6 *15.1	*13.6 *15.1	*19.6 *21.5	*19.6 *21.5	37.0 37.0	*37.8 *41.2	23.1 23.1	*30.8 31.7	16.2 16.2	22.1 22.1	12.1 12.1	16.5 16.5	9.32 9.32	12.9 12.9	9.01 9.01	*10.2 *11.3		14.6	
-6.0 m	*23.9 *26.2	*23.9 *26.2	*32.2 *35.1	*32.2 *35.1	37.3 37.3	*40.0 *44.6	23.1 23.1	*29.2 31.7	16.1 16.1	22.0 22.0	12.1 12.1	16.5 16.5				*8.23 *9.01	*8.23 *9.01	13.0	
-8.0 m			*48.3 *54.0	*48.3 *54.0	*34.1 *38.1	*34.1 *38.1	23.6 23.6	*25.3 *28.4	16.6 16.6	*18.8 *21.3									
-10.0 m					*23.4 *26.5	*23.4 *26.5	*16.6 *19.0												

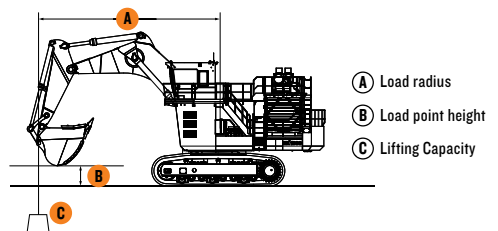
## EX1200-6 Long Arm (English measure)

Unit: 1,000 lb.

Load Point Height Horizontal Distance from Centerline of Rotation	5 ft.		10 ft.		15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		40 ft.		45 ft.		50 ft.		At maximum reach		feet	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6 Long Arm with 29 ft. 6 in. boom, 19 ft. 8 in. arm, 4.45 cu. yd. Bucket (SAE) and 35 in. shoes																								
35 ft.																						*14.2 *16.0	*14.2 *16.0	50.0
30 ft.																	*21.9 *24.3	*21.9 *24.3				*13.8 *15.6	*13.8 *15.6	52.3
25 ft.																	*26.1 26.9	*26.1 *28.9				*13.7 *15.5	*13.7 *15.5	53.9
20 ft.															*28.3 *31.9	*28.3 *31.9	26.2 26.2	*27.2 *30.9				*13.8 *15.6	*13.8 *15.6	54.9
15 ft.														*33.3 *37.3	*33.3 *37.3	*30.4 *32.4	*30.4 *34.3	25.4 25.4	*28.5 *32.2	19.8 19.8	*19.9 *22.2	*14.2 *16.0	*14.2 *16.0	55.4
10 ft.								*52.7 *58.6	*52.7 *58.6	*43.0 *48.0	*43.0 *48.0	*36.9 39.5	*36.9 *41.4	30.9 30.9	*32.8 *37.0	24.4 24.4	*30.0 32.6	19.3 19.3	*23.3 *25.9	15.7 15.7	*14.8 *16.7	*14.8 *16.7	55.4	
5 ft.								*60.9 64.0	*60.9 *67.8	48.1 48.1	*48.4 *54.1	37.2 37.2	*40.5 *45.5	29.4 29.4	*35.2 39.1	23.5 23.5	*31.5 31.6	18.7 18.7	*24.8 *25.7	15.7 15.7	*15.6 *17.6	*15.6 *17.6	54.8	
Ground Line							*54.5 *59.2	*54.5 *59.7	59.9 59.9	*67.2 *74.9	45.2 45.2	*52.8 *59.1	35.3 35.3	*43.6 47.2	28.1 28.1	*37.4 37.7	22.5 22.5	30.6 30.6	18.2 18.2	*23.5 25.2	16.0 16.0	*16.8 *18.8	*16.8 *18.8	53.7
-5 ft.							*59.2 *64.7	*59.2 *64.7	57.1 57.1	*71.0 *78.2	43.1 43.1	*55.9 *58.3	33.7 33.7	45.5 45.5	26.9 26.9	36.5 36.5	21.8 21.8	29.9 29.9				16.9 16.9	*18.4 *20.6	52.0
-10 ft.			*24.3 *27.2	*24.3 *27.2	*39.2 *43.1	*39.2 *43.1	*73.7 *80.3	*73.7 *80.3	55.6 55.6	*72.3 *76.4	41.7 41.7	56.8 56.8	32.7 32.7	44.4 44.4	26.2 26.2	35.7 35.7	21.3 21.3	29.4 29.4				18.5 18.4	*20.7 *23.0	49.6
-15 ft.	*35.1 *38.8	*35.1 *38.8	*41.5 *45.6	*41.5 *45.6	*58.3 *63.7	*58.3 *63.7	79.5 79.5	*92.1 *102.5	54.9 54.9	*71.4 *75.8	41.1 41.1	56.1 56.1	32.1 32.1	43.8 43.8	25.8 25.8	35.4 35.4	21.3 21.3	29.4 29.4				20.9 20.9	*22.0 *24.0	46.5
-20 ft.	*51.9 *56.8	*51.9 *56.8	*61.3 *66.9	*61.3 *66.9	*82.4 *89.7	*82.4 *89.7	80.1 80.1	*86.3 *96.3	55.1 55.1	*67.9 *75.9	41.0 41.0	54.7 56.1	32.1 32.1	43.8 43.8	26.0 26.0	35.6 35.6						17.8 19.5	*17.8 *19.5	42.4
-25 ft.			*86.1 *93.7	*86.1 *93.7	*99.9 *111.5	*99.9 *111.5	81.6 81.6	*86.1 *96.3	56.0 56.0	*61.3 *68.7	41.7 41.7	*49.3 *55.5	32.8 32.8	*39.2 *44.4										
-30 ft.					*79.3 *89.1	*79.3 *89.1	*62.6 *70.4	*62.6 *70.4	*49.8 *56.2	*49.8 *56.2	38.5 43.4	*38.5 *43.8												

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.





# LIFTING CAPACITIES

### EX1200-6LC Long Arm (Metric measure)

Unit: 1000 kg

Load Point Height Horizontal Distance from Centerline of Rotation	2.0 m		4.0 m		6.0 m		8.0 m		10.0 m		12.0 m		14.0 m		At maximum reach		meter	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6LC Long Arm with 9.0-m boom, 6-m arm, 3.43-m <sup>2</sup> Bucket (SAE) and 1000-mm shoes																		
10.0 m																*6.34 *7.16	*6.34 *7.16	15.6
8.0 m														*10.6 *11.7	*10.6 *11.7	*6.22 *7.03	*6.22 *7.03	16.3
6.0 m												*13.0 *14.6	*13.0 *14.6	11.7 11.7	*12.3 *14.0	*6.28 *7.10	*6.28 *7.10	16.7
4.0 m										*16.6 *18.5	*16.6 *18.5	15.4 15.4	*14.3 *16.2	11.3 11.3	*13.0 *14.7	*6.52 *7.36	*6.52 *7.36	16.9
2.0 m								*24.9 *27.8	*24.9 *27.8	19.8 19.8	*21.5 *21.5	14.5 14.5	*15.9 *17.9	10.7 10.7	*13.8 *15.7	*6.95 7.43	*6.95 *7.82	16.8
Ground Line					*22.8 *25.0	*22.8 *25.0	26.0 26.0	*28.5 *31.8	18.4 18.4	*21.4 *24.0	13.6 13.6	*17.3 *19.4	10.2 10.2	*14.6 16.4	*7.62 7.62	*7.62 *8.55	16.4	
-2.0 m					*27.0 *29.5	*27.0 *29.5	24.6 24.6	*30.5 *34.0	17.4 17.4	*22.9 *25.6	12.9 12.9	*18.2 *20.5	9.86 9.86	*14.9 16.0	8.22 8.22	*8.64 *9.64	15.6	
-4.0 m	*13.6 *15.1	*13.6 *15.1	*19.6 *21.5	*19.6 *21.5	38.3 38.3	*41.2 *41.2	23.9 23.9	*30.8 *34.4	16.8 16.8	*23.3 *26.1	12.6 12.6	*18.3 20.3	9.74 9.74	*14.3 *15.9	9.40 9.40	*10.2 *11.3	14.6	
-6.0 m	*23.9 *26.2	*23.9 *26.2	*32.2 *35.1	*32.2 *35.1	38.6 38.6	*40.0 *44.6	23.9 23.9	*29.2 *32.7	16.8 16.8	*22.2 *25.0	12.6 12.6	*17.0 *19.2			*8.23 *9.01	*8.23 *9.01	13.0	
-8.0 m			*48.3 *54.0	*48.3 *54.0	*34.1 *38.1	*34.1 *38.1	24.4 24.4	*25.3 *28.4	17.2 17.2	*18.8 *21.3								
-10.0 m					*23.4 *26.5	*23.4 *26.5	*16.6 *19.0	*16.6 *19.0										

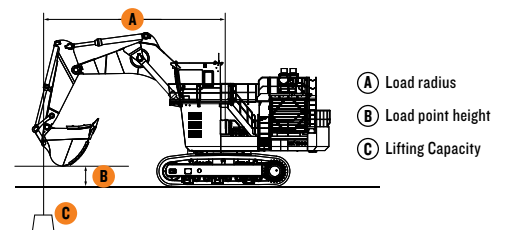
### EX1200-6LC Long Arm (English measure)

Unit: 1,000 lb.

Load Point Height Horizontal Distance from Centerline of Rotation	5 ft.		10 ft.		15 ft.		20 ft.		25 ft.		30 ft.		35 ft.		40 ft.		45 ft.		50 ft.		At maximum reach		feet	
	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front		
EX1200-6LC Long Arm with 29 ft. 6 in. boom, 19 ft. 8 in. arm, 4.45 cu. yd. Bucket (SAE) and 39 in. shoes																								
35 ft.																						*14.2 *16.0	*14.2 *16.0	50.0
30 ft.																		*21.9 *24.3	*21.9 *24.3			*13.8 *15.6	*13.8 *15.6	52.3
25 ft.																						*13.7 *15.5	*13.7 *15.5	53.9
20 ft.																*28.3 *31.9	*28.3 *31.9	27.2 27.2	*27.2 *30.9			*13.8 *15.6	*13.8 *15.6	54.9
15 ft.														*33.3 *37.3	*33.3 *37.3	33.5 33.5	*34.3 *36.4	26.4 26.4	*32.2 *35.7	*19.9 *19.9	*19.9 *22.2	*14.2 *16.0	*14.2 *16.0	55.4
10 ft.								*52.7 *58.6	*52.7 *58.6	*43.0 *48.0	*43.0 *48.0	40.7 40.7	*41.4 *44.4	32.0 32.0	*32.8 *37.0	25.4 25.4	*30.0 *33.9	20.1 20.1	*25.9 *29.5	16.4 16.4	*16.7 *17.6	*14.8 *16.4	*14.8 *16.4	55.4
5 ft.								*60.9 *66.0	*60.9 *66.0	*48.4 *49.6	*48.4 *49.6	38.5 38.5	*40.5 *45.5	30.5 30.5	*35.2 *39.7	24.4 24.4	*31.5 *35.7	19.5 19.5	*24.8 *27.6	16.4 16.4	*15.6 *17.6	*15.6 *17.6	54.8	
Ground Line							*54.5 *59.7	*54.5 *59.7	61.8 61.8	*67.2 *74.9	46.8 46.8	*52.8 *59.1	36.5 36.5	*43.6 *49.0	29.1 29.1	*37.4 *42.1	23.5 23.5	*32.8 *37.2	19.0 19.0	*23.5 *26.1	16.8 16.8	*16.8 *18.8	*16.8 *18.8	53.7
-5 ft.							*59.2 *64.7	*59.2 *64.7	59.1 59.1	*71.0 *79.1	44.6 44.6	*55.9 *62.5	35.0 35.0	*45.9 *51.6	28.0 28.0	*38.9 *43.9	22.7 22.7	*33.7 *36.7			17.7 17.7	*18.4 *20.6	*18.4 *20.6	52.0
-10 ft.			*24.3 *27.2	*24.3 *27.2	*39.2 *43.1	*39.2 *43.1	*73.7 *80.3	*73.7 *80.3	57.5 57.5	*72.3 *80.7	43.3 43.3	*57.4 *64.2	33.9 33.9	*47.1 *52.9	27.3 27.3	*39.6 *43.9	22.3 22.3	*33.7 *36.2			19.3 19.3	*20.7 *23.0	*20.7 *23.0	49.6
-15 ft.	*35.1 *38.8	*35.1 *38.8	*41.5 *45.6	*41.5 *45.6	*58.3 *63.7	*58.3 *63.7	82.2 *102.5	*92.1 *96.9	56.9 56.9	*71.4 *79.6	42.6 42.6	*57.1 *64.0	33.4 33.4	*46.9 *52.7	26.9 26.9	*39.0 *43.5	22.3 22.3	*31.9 *36.2			21.8 21.8	*22.0 *24.0	*22.0 *24.0	46.5
-20 ft.	*51.9 *56.8	*51.9 *56.8	*61.3 *66.9	*61.3 *66.9	*82.4 *89.7	*82.4 *89.7	82.8 82.8	*86.3 *96.3	57.0 57.0	*67.9 *75.9	42.6 42.6	*54.7 *61.3	33.4 33.4	*44.6 *50.3	27.1 27.1	*36.2 *41.0					19.3 19.3	*17.8 *19.5	*17.8 *19.5	42.4
-25 ft.			*86.1 *93.7	*86.1 *93.7	*99.9 *111.5	*99.9 *111.5	84.3 84.3	*86.1 *96.1	58.0 58.0	*61.3 *68.7	43.3 43.3	*49.3 *55.5	34.1 34.1	*39.2 *44.4										
-30 ft.					*79.3 *89.1	*79.3 *89.1	*62.6 *70.4	*62.6 *70.4	*49.8 *56.2	*49.8 *56.2	*38.5 *43.8	*38.5 *43.8												

\* indicates hydraulically limited capacity; numbers without \* indicates 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.

Numbers within shaded area indicate heavy lifting system.



# SPECS

## STANDARD / OPTIONAL EQUIPMENT

Key: ● Standard ▲ Optional or special

Engine
● H/P mode control
● P mode control
● E mode control
● 75 A alternator
● Dry-type air filter with clean dust cup
● Cartridge-type engine oil filter
● Cartridge-type fuel filter
● Water filter
● Radiator, air cooler, and oil cooler with dust protective net
● Radiator reserve tank
● Fan guard
● Isolation-mounted engine
● Auto-idle system
● Overheat prevention device
Hydraulic System
● E-P control system
● OHS (Optimum Hydraulic System)
● FPS (Fuel-saving Pump System)
● Swing/boom priority mode system
● Heavy lifting system
● Boom mode selector system
● Forced-lubrication and forced cooling pump drive system
● Control valve with main relief valve
● Line filter (Delivery filter)
● Suction filter
● Full-flow filter
● Pilot filter
● Pump drain filter
● Engine speed sensing system
Undercarriage
● Spring-set/hydraulic-released disc-type parking brake
● Hydraulic (grease) track adjuster with shock absorbing recoils spring
● Travel motor cover
● Track and idler guards
● Travel motion alarm device

Upperstructure
● Undercover
● 17 500 kg (7,940 lb.) counterweight
● Electric grease gun with hose reel
● Centralized lubrication system for swing bearing
● Control valves with main relief valves and port relief valves
● Slow return orifices and make up valves for cylinder circuits
● Rearview camera system
Cab
● All-weather sound-suppressed steel integrated cab with headguard (OPG Level II (ISO) conforming)
● Laminated glass windshield
● Reinforced/tinted (green color) glass side and rear windows
● Intermittent wiper interlocked with front windshield washer
● Adjustable, air-suspension reclining seat with adjustable armrests
● Footrest
● Electrical horn
● Auto-tuning AM-FM radio with digital clock
● Seat belt
● Cigarette lighter
● Ashtray
● Parcel pocket
● Glove compartment
● Floor mat
● Auto-idle switch
● Evacuation hammer
● Auto air conditioner with defroster
● Hot and cool box
● Engine control dial
● Pilot control shut-off lever
● LED room lamp and step light
● Air-suspension seat
Data Logging System
● DLU (Data-logging unit) continuously records performance of the engine and the hydraulic system. The record can be down-loaded by PC.
Communication system**
● Satellite data-transmitting system
▲ GPRS communication system

Monitor Systems
Meters
● Hour meter
● Engine coolant temperature gauge
● Fuel gauge
● Auto-idle indicator
● Lubrication mode indicator
Warning Indicators
● Radiator water level
● Engine oil level
● Hydraulic oil level
● Fuel level
● Auto lubrication
● Air-filter restriction
● Pump transmission oil pressure
● Alternator
● Over heat
● Engine oil pressure
● Engine stop
● Preheat
● Engine warning
Lights
● 2 working lights
● 2 cab lights
● 1 entrance light
● 2 counterweight lights
Miscellaneous
● ISO conforming stairs and handrails
● Wide sidewalk
● Auto-lubrication system for front attachment
● 12 V power terminal board
● Slip resistance tapes
● Elevated cab (for Loading Shovel)
Optional Equipment
▲ High cab kit (for Backhoe)
▲ Full track guard
▲ Slide ladder
▲ Cold weather package*
▲ Fuel refilling piping
▲ Highland application*
▲ Sun visor

\*Engineered on request

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

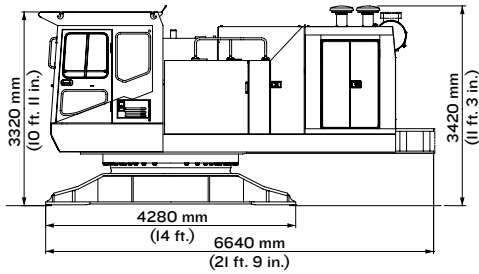
See your Hitachi dealer for further information.

# TRANSPORTATION

### Upperstructure

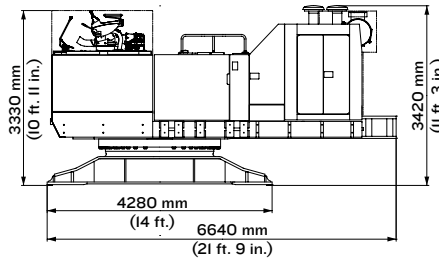
#### UPPERSTRUCTURE FOR BACKHOE

Weight : 36 200 kg (79,807 lb.)  
Width : 3500 mm (11 ft. 6 in.)

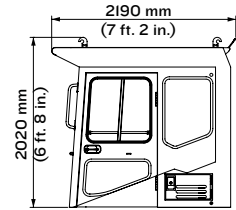


#### LOADING SHOVEL/HIGH CAB FOR BACKHOE OPTION

Upperstructure for loading shovel  
Weight : 36 200 kg (79,807 lb.)  
Width : 3500 mm (11 ft. 6 in.)

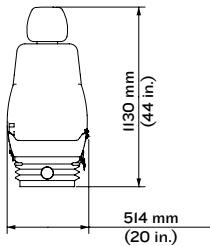


Cab assy for loading shovel  
Weight : 640 kg (1,411 lb.)  
Width : 1210 mm (4 ft.)



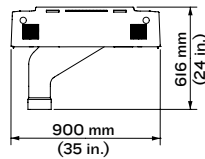
#### SEAT ASSY FOR LOADING SHOVEL

Weight : 45 kg (99 lb.)  
Width : 700 mm (28 in.)



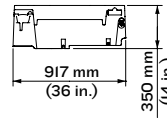
#### UPPER DUCT ASSY FOR LOADING SHOVEL

Weight : 4 kg (9 lb.)  
Width : 192 mm (8 in.)



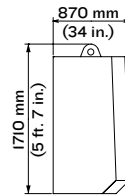
#### LOWER DUCT ASSY FOR LOADING SHOVEL

Weight : 3 kg (7 lb.)  
Width : 405 mm (16 in.)



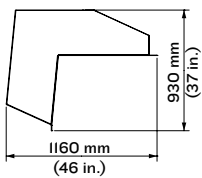
#### COUNTERWEIGHT

Weight : 17 500 kg (38,581 lb.)  
Width : 3450 mm (11 ft. 4 in.)



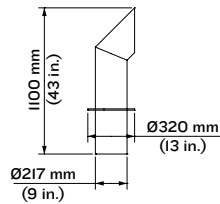
#### MUFLER COVER

Weight : 107 kg (236 lb.)  
Width : 1390 mm (4 ft. 7 in.)



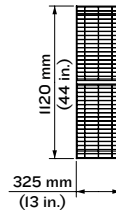
#### EXHAUST PIPE

Weight : 15 kg (33 lb.)



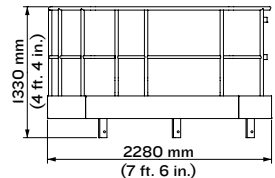
#### SIDE STEP

Weight : 19 kg (42 lb.)  
Width : 110 mm (4 in.)



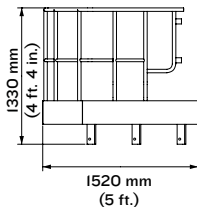
#### SIDE WALK FOR BACKHOE

Weight : 202 kg (445 lb.)  
Width : 1010 mm (40 in.)



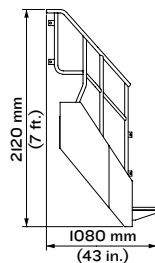
#### SIDE WALK FOR LOADING SHOVEL OR OPTIONAL HIGH RISE CAB FOR BACKHOE

Weight : 150 kg (331 lb.)  
Width : 1010 mm (40 in.)



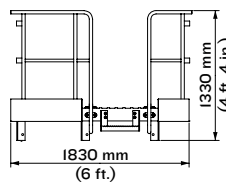
#### STEP FOR LOADING SHOVEL OR OPTIONAL HIGH RISE CAB FOR BACKHOE

Weight : 134 kg (295 lb.)  
Width : 1010 mm (40 in.)



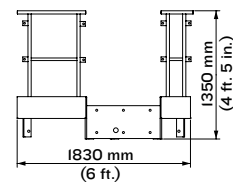
#### SIDE WALK

Weight : 117 kg (258 lb.)  
Width : 650 mm (26 in.)

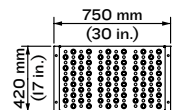


#### OPTIONAL SIDE LADDER

Side walk for optional slide ladder  
Weight : 180 kg (397 lb.)  
Width : 662 mm (26 in.)



Step for optional slide ladder  
Weight : 17 kg (37 lb.)  
Width : 169 mm (7 in.)





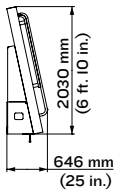
# SPECS

## TRANSPORTATION

### Upperstructure (continued)

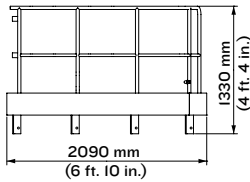
#### SLIDE LADDER (OPTIONAL)

Weight : 253 kg (558 lb.)  
Width : 650 mm (26 in.)



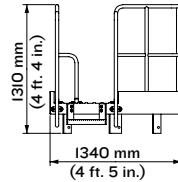
#### SIDE WALK

Weight : 124 kg (273 lb.)  
Width : 720 mm (28 in.)



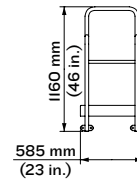
#### SIDE WALK

Weight : 118 kg (260 lb.)  
Width : 834 mm (33 in.)



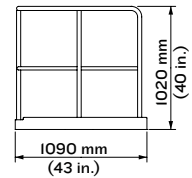
#### HANDRAIL

Weight : 14 kg (31 lb.)  
Width : 192 mm (8 in.)



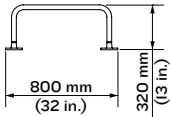
#### HANDRAIL

Weight : 23 kg (51 lb.)  
Width : 587 mm (23 in.)



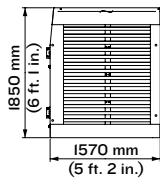
#### HANDRAIL

Weight : 5 kg (11 lb.)  
Width : 50 mm (2 in.)



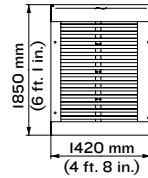
#### RADIATOR COVER

Weight : 89 kg (196 lb.)  
Width : 80 mm (3 in.)



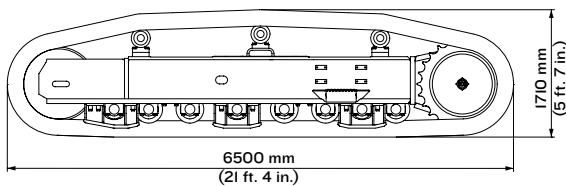
#### OIL COOLER COVER

Weight : 83 kg (183 lb.)  
Width : 80 mm (3 in.)

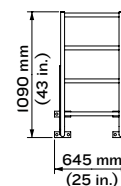


### Undercarriage

#### SIDE FRAME



#### LADDER

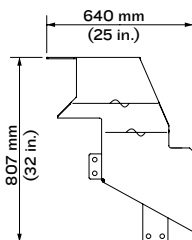


Shoe	Width	Weight
700 mm (27.5 in.) shoe	1010 mm (40 in.)	15 200 kg (33,510 lb.) x 2
900 mm (35.5 in.) shoe	1010 mm (40 in.)	15 900 kg (35,054 lb.) x 2

Shoe	Width	Weight
700 mm (27.5 in.) shoe	157 mm (6 in.)	23 kg (51 lb.) x 2
900 mm (35.5 in.) shoe	307 mm (12 in.)	28 kg (62 lb.) x 2

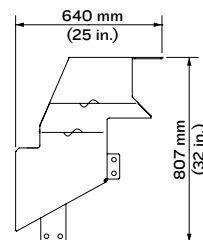
#### TRAVEL DEVICE COVER (R)

Weight : 25 kg (55 lb.)  
Width : 258 mm (10 in.)



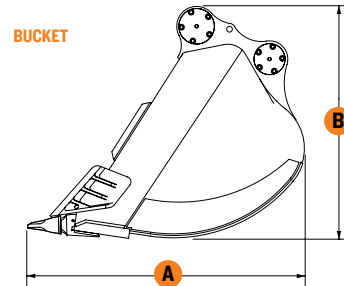
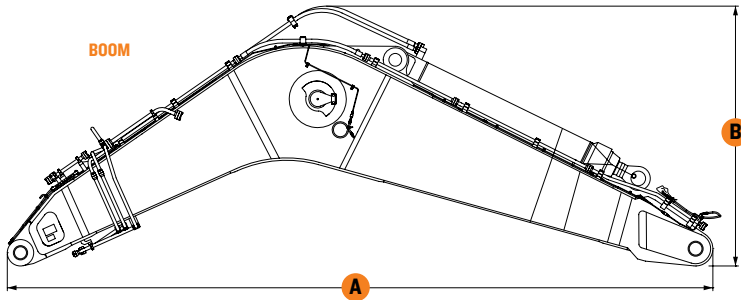
#### TRAVEL DEVICE COVER (L)

Weight : 25 kg (55 lb.)  
Width : 258 mm (10 in.)



# TRANSPORTATION

### Backhoe Attachment

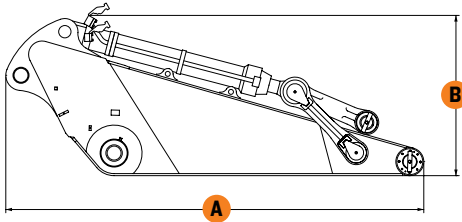


	Boom length	A	B	Width	Weight
EX1200-6	9.0 m (29 ft. 6 in.)	9410 mm (21 ft. 0 in.)	3460 mm (11 ft. 4 in.)	1590 mm (5 ft. 3 in.)	12 300 kg (27,117 lb.)
EX1200-6 BE	7.55 m (24 ft. 9 in.)	7960 mm (26 ft. 1 in.)	3430 mm (11 ft. 3 in.)	1580 mm (5 ft. 2 in.)	11 600 kg (25,574 lb.)

Capacity SAE heaped	A	B	Width	Weight	Type
5.2 m <sup>3</sup> (6.8 cu. yd.)	2660 mm (8 ft. 9 in.)	2210 mm (7 ft. 3 in.)	2120 mm (7 ft.)	4910 kg (10,825 lb.)	○
5.2 m <sup>3</sup> (6.8 cu. yd.)	2660 mm (8 ft. 9 in.)	2210 mm (7 ft. 3 in.)	2000 mm (6 ft. 7 in.)	5930 kg (13,073 lb.)	●
5.8 m <sup>3</sup> (7.6 cu. yd.)	2590 mm (8 ft. 6 in.)	2240 mm (7 ft. 4 in.)	2220 mm (7 ft. 3 in.)	6930 kg (15,278 lb.)	●
6.7 m <sup>3</sup> (8.7 cu. yd.)	2820 mm (9 ft. 3 in.)	2220 mm (7 ft. 3 in.)	2400 mm (7 ft. 11 in.)	6650 kg (14,661 lb.)	○

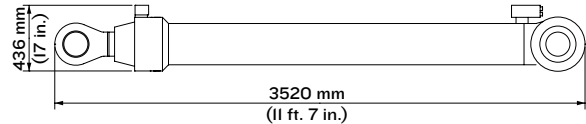
● :Bottom bucket      ○ :General purpose bucket

### ARM



### BOOM CYLINDERS

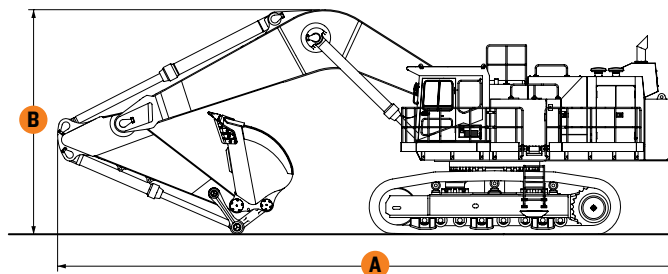
Weight: 1130 kg (2,491 lb.) x 2  
Width: 356 mm (14 in.)



Arm	Arm length	A	B	Width	Weight
EX1200-6	3.6 m (11 ft. 10 in.)	5090 mm (16 ft. 8 in.)	1950 mm (6 ft. 5 in.)	1020 mm (40 in.)	6130 kg (13,514 lb.)
EX1200-6 BE	3.4 m (11 ft. 2 in.)	4950 mm (16 ft. 3 in.)	1980 mm (6 ft. 6 in.)	990 mm (39 in.)	6540 kg (14,418 lb.)
EX1200-6 Semi-Long Arm	4.7 m (15 ft. 5 in.)	6170 mm (20 ft. 3 in.)	1750 mm (5 ft. 9 in.)	980 mm (39 in.)	6720 kg (14,815 lb.)
EX1200-6 Long Arm	6.0 m (19 ft. 8 in.)	7460 mm (24 ft. 6 in.)	1810 mm (5 ft. 11 in.)	980 mm (39 in.)	6350 kg (13,999 lb.)

### Overall

### BACKHOE



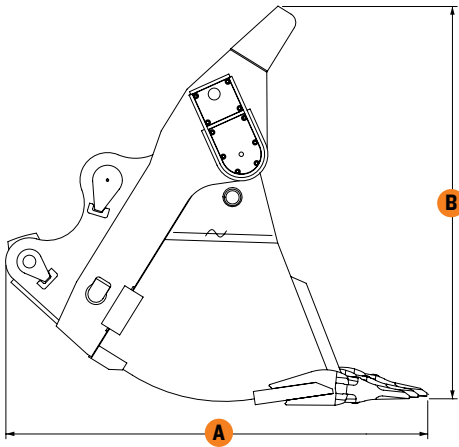
	Boom length	Arm length	A	B	Width	Weight
EX1200-6	9.0 m (29 ft. 6 in.)	3.6 m (11 ft. 10 in.)	15 970 mm (52 ft. 5 in.)	5770 mm (18 ft. 11 in.)	5430 mm (17 ft. 10 in.)	111 000 kg (244,713 lb.)
EX1200-6 BE	7.55 m (24 ft. 9 in.)	3.4 m (11 ft. 2 in.)	14 580 mm (47 ft. 10 in.)	5970 mm (19 ft. 7 in.)	5430 mm (17 ft. 10 in.)	112 000 kg (246,918 lb.)
EX1200-6 Semi-Long Arm	9.0 m (29 ft. 6 in.)	4.7 m (15 ft. 5 in.)	15 920 mm (52 ft. 3 in.)	6130 mm (20 ft. 1 in.)	5430 mm (17 ft. 10 in.)	111 500 kg (245,815 lb.)
EX1200-6 Long Arm	9.0 m (29 ft. 6 in.)	6.0 m (19 ft. 8 in.)	15 800 mm (51 ft. 10 in.)	6860 mm (22 ft. 6 in.)	5430 mm (17 ft. 10 in.)	110 900 kg (244,493 lb.)

# SPECS

## TRANSPORTATION

### Loader Attachment

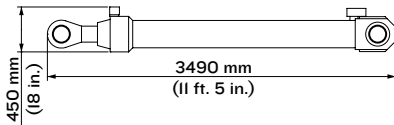
#### BUCKET ASSEMBLY



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

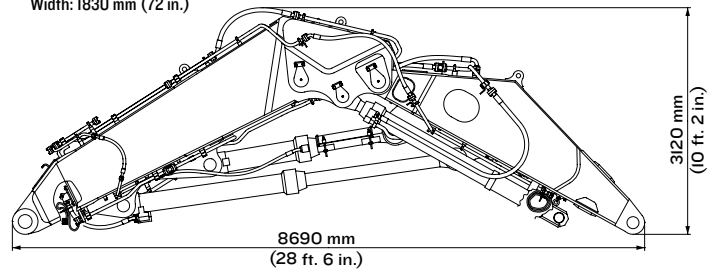
#### BOOM CYLINDERS

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



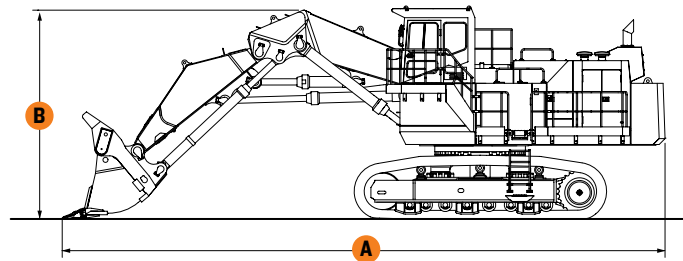
#### BOOM & ARM ASSEMBLY

Weight: 15 500 kg (34,172 lb.)  
Width: 1830 mm (72 in.)



### Overall

#### LOADING SHOVEL



	A	B	Width	Weight
EX1200-6	15 400 mm (50 ft. 6 in.)	5350 mm (17 ft. 7 in.)	5430 mm (17 ft. 10 in.)	114 000 kg (251,327 lb.)



# HITACHI

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