

**HITACHI**

# **SUPER EX750-V**

**Rated Engine HP**  
434 hp (324 kW)

**Operating Weight**  
Backhoe: 164,900 lbs  
(74 800 kg)  
Loading Shovel: 169,535 lbs  
(76 900 kg)

**Backhoe Bucket Capacity**  
2.62 – 5.36 yd<sup>3</sup>  
(2.00 – 4.10 m<sup>3</sup>)

**Loading Shovel  
Bucket Capacity**  
4.71 – 5.75 yd<sup>3</sup>  
(3.60 – 4.40 m<sup>3</sup>)





ier, and has more stability than placed. It features the exclusive horsepower and pump oil flow provides even better multi-function and smoother, faster cycling.

### Specifics

- Cummins N14C 6-cylinder turbo-charged, direct injection diesel engine meets all EPA clean air requirements.
- *Dash-5* engine/hydraulic control with three power modes, a power boost button, and four work modes.
- Power modes:
  1. **Normal:** Standard operation.
  2. **S/P:** Increased engine torque and pump output.
  3. **E:** Maximum fuel efficiency in light duty applications.
- Work modes:
  1. General Purpose
  2. Trench Digging
  3. Precision/Heavy Lift
  4. Grading
- Wide, roomy operator's cab is the widest in its class. Improved visibility for work immediately in front of the cab.
- Minimum digging distance improved to 3'10" (1 168 mm) compared to 5' (1 524 mm) with the EX700.

### Features

- The updated work modes provide power in the order of inherent priority to do the best job for the project at hand.
- Preventative maintenance is as straight-forward and simple as possible.
- Operator ability-to-be-productive is given a high priority. The cab is ergonomically designed; all controls are very responsive.
- The Super EX750, as with all Hitachi excavator models, is built to maximize performance, reliability, and operator comfort through its optimum design and quality components. The Cummins engine is matched to the hydraulic pumps for outstanding multiple function performance. The undercarriage, carbody, and front attachment are all balanced and designed for maximum strength. All of this means that your Hitachi EX750 will work economically and productively for years and for thousands of hours at minimum operating costs.

## Operator Comfort:

### A Top Priority

Sitting in one place, all day, operating a machine productively takes concentration and dedication to doing a good job. It also means that a smart owner is going to do everything possible to make sure his operator is comfortable in the cab. The Hitachi EX750 is an excellent example of how comfortable a well-designed cab can be.

The widest cab in its class: 3 ft. 4 in. Lots of leg room, wide side door. The ergonomically-designed seat is fully adjustable with tilting armrests, tilting back, floating or solidly fixed seat, headrest tilt, and seat raise/lower.

AM-FM Radio

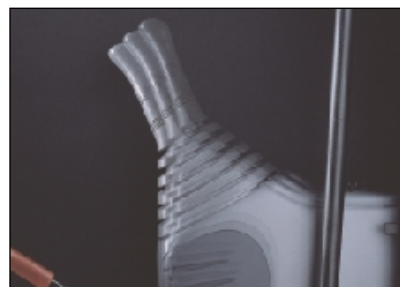


The hand control levers can be raised or lowered to match the operator's build, and the controls can either glide forward or back with the seat or remain fixed while the seat moves.

The work modes, power modes, air conditioning controls, and dial-type engine speed control are all located beside the operator.

### Functional Layout

Hitachi excavators have always been known as the "Cadillacs" when it comes to operator convenience. A dial-type fuel throttle is provided for control of engine speed according to job need. The tiltable control levers adjust to the operator's build. A quick idle switch on top of the right control lever reduces fuel waste.



For added comfort, the EX750 has a standard full-function air conditioning package and "Hot and Cool" box.



#### Pressurized Cab

The cab is fully pressurized by the standard air conditioning package and tight construction.



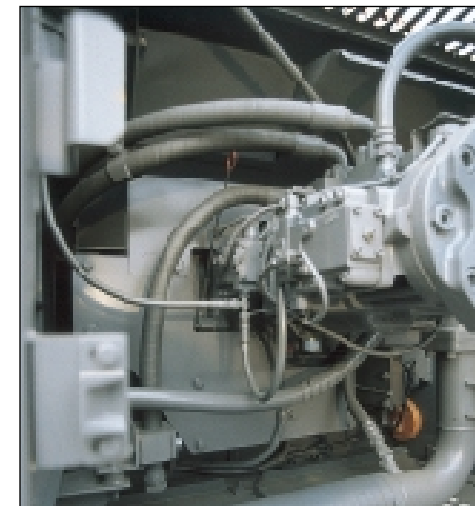
The 12" (305 mm) sidewalk on the left, large handrails, and multiple safety grips make the EX750 safe and easy to inspect.

## This Excavator Is Powerful!



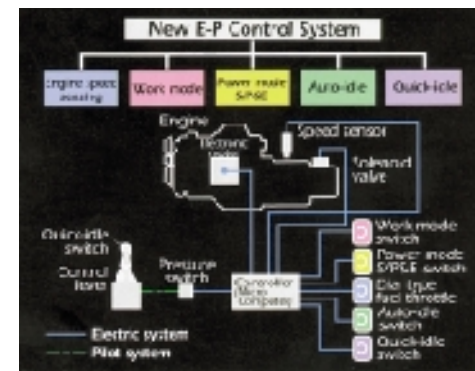
### Tough Cummins N14C Engine Provides High Torque Power

This updated engine meets or exceeds all EPA, CARB pollution and noise standards. The engine is rated at 434 hp (324 kW), 20 hp (4.8%) more than the EX700. The 854 cu. inch (14.0 L) engine is perfectly matched to the EX750's hydraulic pumps for high production and long life. It is rated at 1,290 lbf-ft (178 kgf-m) torque.



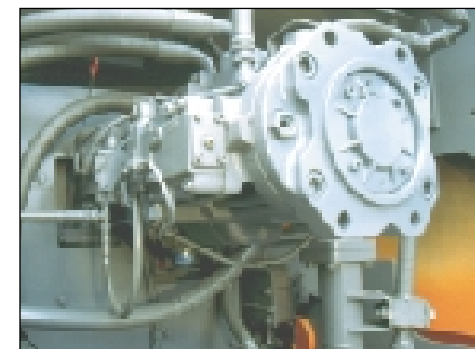
### Bulkhead Separates Engine From Hydraulic Pumps

A steel bulkhead separates the hydraulic pumps and engine. It keeps engine and pump compartments cleaner for easier maintenance and helps to minimize noise generation.



### Enhanced E-P Pump Control

A sophisticated micro-computer system guided by multiple actuators is standard on the EX750. Hitachi is renowned for the smooth operation of its excavators, and this model is no exception. The new *Dash-5* controls provide quick, accurate response to multi-function swing-lift-bucket curl operations. A quick idle switch is located on top of the right control lever. When engaged, high engine idle speed is reduced by 59%. In contrast, auto idle reduces the engine speed by 20%.

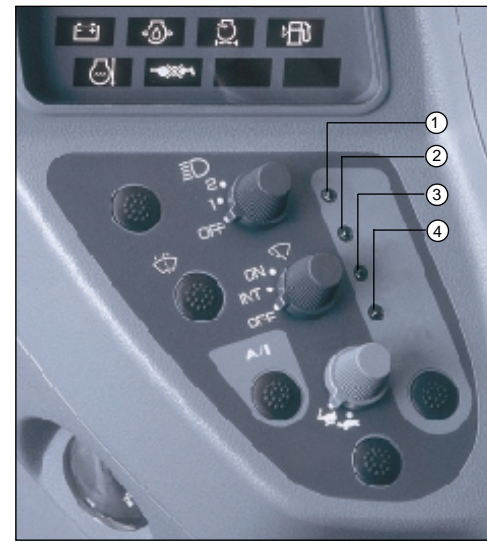


### Powerful, Perfectly Matched Hydraulic Pumps

The best, leading-edge pumps in the world are in the EX750. They provide quick, multi-function response. The two variable displacement axial piston pumps last a long time and are easily rebuilt.

## Work Modes For Increased Performance

- ① The Trenching Mode provides separate priority to the combined operation of swing and boom raise for faster bailing speeds.
- ② The Precision Mode keeps the front attachment moving precisely and slowly.
- ③ The Grading Mode keeps the front attachment moving precisely only while the arm is rolling in.
- ④ The Excavating Mode is appropriate for general digging and truck loading. All circuits work together.



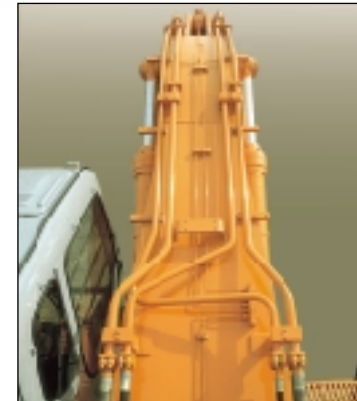
## S/P and E Modes For Increased Efficiency

- The **Normal** mode is for normal or average applications. The engine runs at an efficient, productive speed for longest life and general economy. The hydraulic pump runs at a baseline 100%.
- The **S/P** mode provides the maximum power of the EX750 on command. This function maintains optimum engine RPM while allowing maximum pump output, thereby providing the greatest machine productivity.
- The **E** mode provides 94% of full power while providing 15% more fuel efficiency. It is appropriate for light-duty work because it allows you to work longer before refueling.



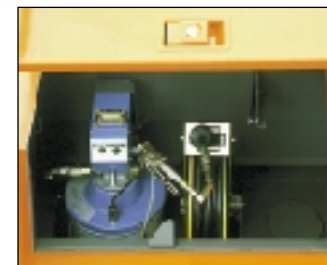
## Super Strong Piping

Hitachi is legendary for its strong, long-lasting hydraulic hose, piping and fittings. This provides outstanding reliability and cleanliness.



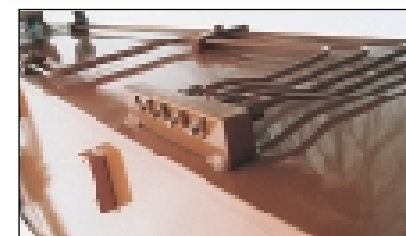
## Electric Lubricator

An electric lubricator with hose reel is provided for easier greasing. An auto lubricator is optionally available for front pin lubrication.



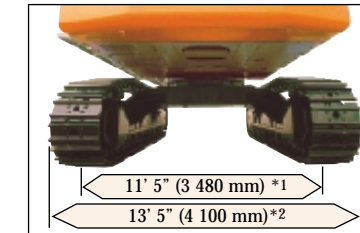
## Remote Lube

All lube points are clustered in three central areas.



## Retractable Track Frames

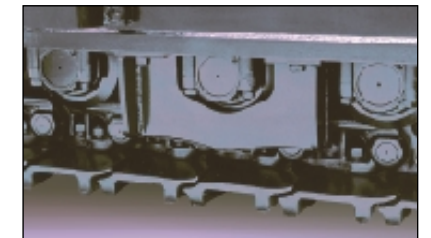
Track frames can be retracted for transport.



\*1: retracted for transport  
\*2: extended for operation

## Track Guard

Two track center guards are provided on each side to prevent disengagement and protect lower rollers. Also, bolted design eases replacement. A full track guard is optionally available.



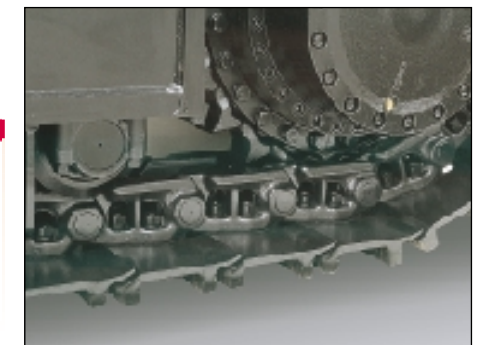
## Longer-Life Undercarriage

Compact travel motors with a full housing are designed to be far less vulnerable to rock damage. All hydraulic piping is placed inside the track frame for protection.



## Large Track Links

Large track links are fitted with struts for added durability. Pin seals prevent dirt entry into bushings and reduce internal wear.



# Specifications: EX750

## Engine

Model	Cummins N14C
Type	4-cycle water-cooled, direct injection & aftercooled
Aspiration	Turbocharged
No. of cylinders	6
Rated flywheel horsepower	
SAE J1349, net	434 hp (324 kW) at 1 800 rpm (min-1)
DIN 6271, net	440 PS (324 kW) at 1 800 rpm (min-1)
Maximum flywheel horsepower	
SAE J1349, gross	446 hp (333 kW) at 1 800 rpm (min-1)
Maximum torque	1,290 lbf-ft, (178 kgf-m) at 1 400 rpm (min-1)
Piston displacement	.854 in <sup>3</sup> (14.00 L)
Bore and stroke	5.51" x 5.98" (140 mm x 152 mm)
Batteries	2 x 12 V, 170 AH
Governor	Mechanical, speed control by stepping motor

## Hydraulic System

Hitachi's ETS (Electronic Total control System) designed for higher job efficiency with less fuel consumption/noise.	
Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 129 US gpm (490 L/min, 108 Imp gpm)
Pilot pump	.1 gear pump
Maximum oil flow	1 x 8.0 US gpm (30.2 L/min, 6.6 Imp gpm)

## Hydraulic Motors

Travel	.2 axial piston motors with parking brake
Swing	.2 axial piston motors

## Relief Valve Settings

Implement circuit	4,480 psi (315 kgf/cm <sup>2</sup> )
Swing circuit	4,120 psi (290 kgf/cm <sup>2</sup> )
Travel circuit	4,620 psi (325 kgf/cm <sup>2</sup> )
Pilot circuit	570 psi (40 kgf/cm <sup>2</sup> )

## Hydraulic Cylinders

Cylinder cushion mechanisms are provided for all cylinders to absorb shock when pistons reach their stroke ends.

## Dimensions

Backhoe: Equipped with 27' 1" (8.25 m) boom, 11' 10" (3.60 m) arm, and 4.32 yd<sup>3</sup> (3.3 m<sup>3</sup>); PCSA heaped.

	Qty	Bore	Rod diameter
Boom	2	7.87" (200 mm)	5.51" (140 mm)
Arm	1	8.46" (215 mm)	5.91" (150 mm)
Bucket	1	7.48" (190 mm)	5.12" (130 mm)

## Hydraulic Filters

All hydraulic circuits use hydraulic filters. A suction filter is built in suction line, and 10 micron full-flow filters in return circuit and swing/travel motor drain lines.

## Controls

Pilot controls for all functions. Hitachi original shockless valve and quick warm-up system built in the pilot circuit. Multi-rotary pilot control valve is optionally available for selection of control lever direction.

Implement levers	2
Travel levers with pedals	2

These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features.

## Upperstructure

### Revolving Frame

Welded, sturdy box construction using heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

### Swing Mechanism

Axial piston motor with planetary gear is bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type. Swing cushion valve built in swing motor absorbs shocks when stopping swing.

Swing speed.....8.6 rpm (min-1)

### Operator's Cab

Independent, roomy cab, 3' 4" (1 005 mm) wide by 5' 4" (1 620 mm) high, conforming to ISO\* Standards. Reinforced glass windows on 4 sides for excellent visibility. Front windows (upper and lower) are removable and storable in the cab. Adjustable, reclining seat with armrests and seat belt. Right and left control levers can be tilted fore and aft.

\* International Standardization Organization

## Undercarriage

### Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials for tough jobs. Side frame bolted to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with double grousers made of induction-hardened rolled alloy. 26" (650 mm), 30" (750 mm) and 35" (900 mm) wide double grouser shoes available for backhoe. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

### Numbers of Rollers and Shoes on Each Side

Upper rollers	3	Track shoes	51
Lower rollers	9	Track guards	2

### Traction Device

Each track driven by axial piston motor through reduction gears for counter-rotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type.

Travel speeds .....High: 0 to 2.9 mph (4.6 km/h)

Low: 0 to 2.1 mph (3.3 km/h)

Maximum traction force ..... 110,300 lbf (50 000 kgf)

Gradeability ..... 35° (70%) continuous

## Weights and Ground Pressure

EX750: Equipped with 27' 1" (8.25 m) boom, 11' 10" (3.60 m) arm and 4.32 yd<sup>3</sup> (3.3 m<sup>3</sup>); PCSA heaped) bucket.

Shoe type	Shoe width	Operating Weight	Ground Pressure
Double grouser	26" (650 mm)	161,400 lb (73 200 kg)	14.5 psi (1.02 kgf/cm <sup>2</sup> )
	30" (750 mm)	162,900 lb (73 900 kg)	12.7 psi (0.89 kgf/cm <sup>2</sup> )
	35" (900 mm)	164,900 lb (74 800 kg)	10.7 psi (0.75 kgf/cm <sup>2</sup> )

EX750: Equipped with 23' 4" (7.10 m) BE-boom, 9' 8" (2.95 m) BE-arm and 5.36 yd<sup>3</sup> (4.1 m<sup>3</sup>); PCSA heaped) bucket.

Shoe type	Shoe width	Operating Weight	Ground Pressure
Double grouser	26" (650 mm)	165,400 lb (75 000 kg)	14.8 psi (1.04 kgf/cm <sup>2</sup> )
	30" (750 mm)	166,900 lb (75 700 kg)	12.9 psi (0.91 kgf/cm <sup>2</sup> )
	35" (900 mm)	169,100 lb (76 700 kg)	10.9 psi (0.77 kgf/cm <sup>2</sup> )

## Service Refill Capacities

	US gal	Liters	Imp gal
Fuel tank	218.8	828.0	182.2
Engine coolant	23.0	87.0	19.1
Engine oil	11.6	44.0	9.7
Pump drive	1.3	4.8	1.1
Hydraulic system	174.4	660.0	145.2
Hydraulic tank	89.8	340.0	74.8
Swing mechanism (each side)	4.0	15.0	3.3
Travel final device (each side)	5.6	21.0	4.6

## Backhoe Attachments

Booms and arms are of all-welded, box-section design.

Boom Lengths: 23' 4" (7.10 m) BE-boom  
27' 1" (8.25 m) boom

Arms Lengths: 9' 8" (2.95 m) BE-arm  
11' 10" (3.60 m) arm  
14' 5" (4.40 m) arm  
17' 9" (5.40 m) arm

Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

## Bucket Specifications



### Backhoe Buckets

Capacity		Width		No. of teeth	Weight	Bucket Dimensions		Recommendation				
								EX750-5				
PCSA heaped	CECE heaped	Without side cutters	With side cutters			A	B	23' 4" (7.10 m) BE-boom	27' 1" (8.25 m) boom			
								9' 8" (2.95 m) BE-arm	11' 10" (3.60 m) arm	14' 5" (4.40 m) arm	17' 9" (5.40 m) arm	
2.62 yd <sup>3</sup> (2.00 m <sup>3</sup> )	1.80 m <sup>3</sup>	4' 5" (1 350 mm)	4' 11" (1 490 mm)	5	4,540 lb (2 060 kg)	6' 11" (2 115 mm)	5' 8" (1 735 mm)					
3.14 yd <sup>3</sup> (2.40 m <sup>3</sup> )	2.20 m <sup>3</sup>	4' 8" (1 420 mm)	5' 1" (1 560 mm)	5	5,180 lb (2 350 kg)	7' 3" (2 210 mm)	6' 2" (1 870 mm)		●	●		
3.66 yd <sup>3</sup> (2.80 m <sup>3</sup> )	2.40 m <sup>3</sup>	4' 11" (1 510 mm)	5' 7" (1 700 mm)	5	5,290 lb (2 400 kg)	7' 3" (2 210 mm)	6' 2" (1 870 mm)		●	●		
3.79 yd <sup>3</sup> (2.90 m <sup>3</sup> )	2.60 m <sup>3</sup>	5' 4" (1 620 mm)	5' 11" (1 810 mm)	5	5,510 lb (2 500 kg)	7' 3" (2 210 mm)	6' 2" (1 870 mm)		●			
4.32 yd <sup>3</sup> (3.30 m <sup>3</sup> )	2.90 m <sup>3</sup>	5' 4" (1 620 mm)	6' 5" (1 960 mm)	5	5,780 lb (2 620 kg)	7' 3" (2 210 mm)	6' 2" (1 870 mm)		●			
*3 5.36 yd <sup>3</sup> (4.10 m <sup>3</sup> )	3.60 m <sup>3</sup>	-	6' 9" (2 050 mm)	5	7,720 lb (3 500 kg)	7' 9" (2 350 mm)	6' 5" (1 950 mm)	●				●
*1 4.32 yd <sup>3</sup> (3.30 m <sup>3</sup> )	2.90 m <sup>3</sup>	-	6' 0" (1 830 mm)	5	7,280 lb (3 300 kg)	7' 5" (2 260 mm)	6' 4" (1 930 mm)					
*2 4.71 yd <sup>3</sup> (3.60 m <sup>3</sup> )	3.20 m <sup>3</sup>	-	6' 5" (1 960 mm)	5	7,700 lb (3 490 kg)	7' 5" (2 260 mm)	6' 4" (1 930 mm)					
*3 5.36 yd <sup>3</sup> (4.10 m <sup>3</sup> )	3.60 m <sup>3</sup>	-	6' 8" (2 030 mm)	5	8,820 lb (4 000 kg)	7' 9" (2 350 mm)	6' 5" (1 950 mm)	✘				
*4 2.49 yd <sup>3</sup> (1.90 m <sup>3</sup> )	1.70 m <sup>3</sup>	-	4' 11" (1 490 mm)	3	9,040 lb (4 100 kg)	7' 9" (2 370 mm)	6' 7" (2 010 mm)					
*5 2.88 yd <sup>3</sup> (2.20 m <sup>3</sup> )	2.00 m <sup>3</sup>	-	5' 2" (1 580 mm)	3	9,480 lb (4 300 kg)	7' 9" (2 370 mm)	6' 7" (2 010 mm)					
One-point ripper	-	2' 7" (800 mm)	-	1	5,730 lb (2 600 kg)	8' 2" (2 500 mm)	4' 3" (1 300 mm)	✘				

\*1 Rock bucket for H-front

\*2 Rock bucket for BE H-arm-front

\*3 BE-front

\*4 Ripper bucket

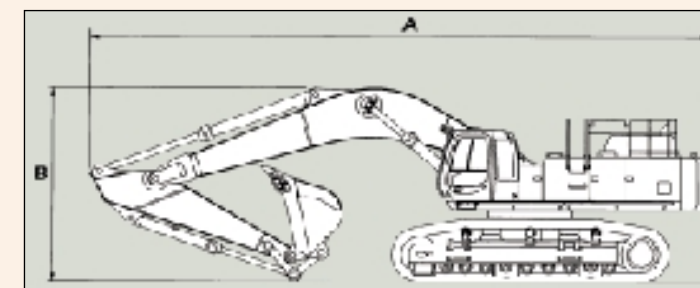
\*5 5.36 yd<sup>3</sup> (4.10 m<sup>3</sup>), Rock and Ripper bucket equipped with sideshroud

● Suitable for materials with density of 3,370 lb/yd<sup>3</sup> (2 000 kg/m<sup>3</sup>) or less

✘ Heavy-duty service

## Overall

BACKHOE: Basic machine with 4.32 yd<sup>3</sup> (3.30 m<sup>3</sup>); PCSA heaped) BE-type with BE-front attachments



	A	B	Width
EX750	46' 6" (14 160 mm)	*1 15' 0" (4 570 mm)	11' 5" (3 480 mm)
EX750*3	43' 3" (13 180 mm)	*2 16' 6" (5 040 mm)	11' 5" (3 480 mm)

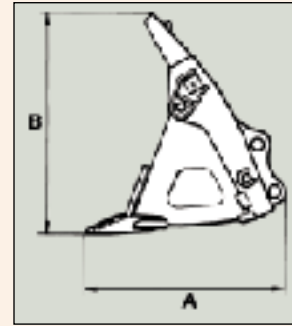
Notes: \*1 Max. height with pipe  
\*2 Max. height with hose  
\*3 With BE-front

# Specifications: EX750

## Bucket Specifications

### Loading Shovel Buckets

Capacity	Bucket Dimensions		Max. width	No. of teeth	Weight	Type
	A	B				
4.71 yd <sup>3</sup> (3.60 m <sup>3</sup> )	7' 6" (2 280 mm)	8' 5" (2 570 mm)	7' 7" (2 300 mm)	6	13,410 lb (6 080 kg)	Bottom dump type rock bucket
5.23 yd <sup>3</sup> (4.00 m <sup>3</sup> )	7' 7" (2 300 mm)	8' 5" (2 570 mm)	8' 1" (2 460 mm)	6	12,390 lb (5 620 kg)	Bottom dump type general purpose bucket
5.23 yd <sup>3</sup> (4.00 m <sup>3</sup> )	7' 6" (2 290 mm)	8' 5" (2 560 mm)	7' 9" (2 360 mm)	6	10,980 lb (4 980 kg)	Tilt dump type rock bucket
5.75 yd <sup>3</sup> (4.40 m <sup>3</sup> )	7' 6" (2 290 mm)	8' 5" (2 560 mm)	8' 3" (2 520 mm)	6	10,210 lb (4 630 kg)	Tilt dump type general purpose bucket



### Bucket Selection Chart

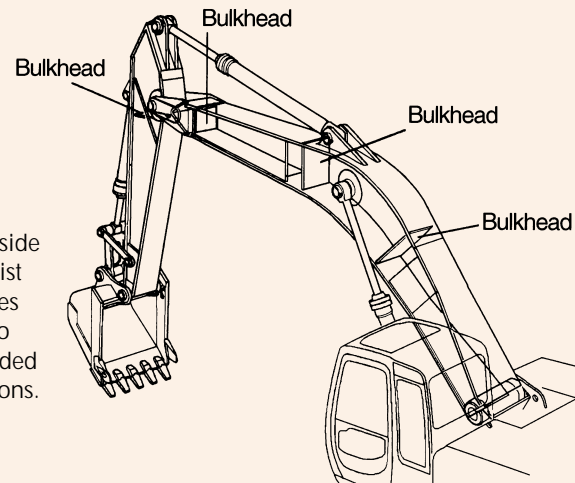
Bucket capacity indicated is SAE heaped.

Material (loose weight)	Heavy-Duty Bucket*		Heavy-Duty High-Capacity Bucket*		Extreme-Service Bucket*	
3,400 - 3,100 lb/yd <sup>3</sup> (2 020 - 1 840 kg/m <sup>3</sup> ) Sand and gravel, wet Sand, wet	2.89 yd <sup>3</sup>	2.2 m <sup>3</sup>	2.63 yd <sup>3</sup>	2.0 m <sup>3</sup>	2.38 yd <sup>3</sup>	1.8 m <sup>3</sup>
	3.17 yd <sup>3</sup>	2.4 m <sup>3</sup>	2.89 yd <sup>3</sup>	2.2 m <sup>3</sup>	2.61 yd <sup>3</sup>	2.0 m <sup>3</sup>
2,900 - 2,550 lb/yd <sup>3</sup> (1 720 - 1 510 kg/m <sup>3</sup> ) Sand and gravel, dry Sand, moist Rock, granite, blasted and broken Clay, wet Earth, wet Limestone, broken or crushed Earth, dry	3.54 yd <sup>3</sup>	2.7 m <sup>3</sup>	3.23 yd <sup>3</sup>	2.5 m <sup>3</sup>	2.91 yd <sup>3</sup>	2.2 m <sup>3</sup>
	3.17 yd <sup>3</sup>	2.4 m <sup>3</sup>	2.89 yd <sup>3</sup>	2.2 m <sup>3</sup>	2.61 yd <sup>3</sup>	2.0 m <sup>3</sup>
	4.48 yd <sup>3</sup>	3.4 m <sup>3</sup>	4.08 yd <sup>3</sup>	3.1 m <sup>3</sup>	3.69 yd <sup>3</sup>	2.8 m <sup>3</sup>
	4.03 yd <sup>3</sup>	3.1 m <sup>3</sup>	3.68 yd <sup>3</sup>	2.8 m <sup>3</sup>	3.32 yd <sup>3</sup>	2.5 m <sup>3</sup>
	3.22 yd <sup>3</sup>	2.5 m <sup>3</sup>	2.93 yd <sup>3</sup>	2.2 m <sup>3</sup>	2.65 yd <sup>3</sup>	2.0 m <sup>3</sup>
	3.62 yd <sup>3</sup>	2.8 m <sup>3</sup>	3.30 yd <sup>3</sup>	2.5 m <sup>3</sup>	2.98 yd <sup>3</sup>	2.3 m <sup>3</sup>
	3.41 yd <sup>3</sup>	2.6 m <sup>3</sup>	3.10 yd <sup>3</sup>	2.4 m <sup>3</sup>	2.80 yd <sup>3</sup>	2.1 m <sup>3</sup>
2,500 - 2,100 lb/yd <sup>3</sup> (1 480 - 1 250 kg/m <sup>3</sup> ) Clay, dry Sand, dry Shale Earth, loam Caliche	3.61 yd <sup>3</sup>	2.8 m <sup>3</sup>	3.29 yd <sup>3</sup>	2.5 m <sup>3</sup>	2.97 yd <sup>3</sup>	2.3 m <sup>3</sup>
	4.09 yd <sup>3</sup>	3.1 m <sup>3</sup>	3.73 yd <sup>3</sup>	2.8 m <sup>3</sup>	3.37 yd <sup>3</sup>	2.6 m <sup>3</sup>
	4.18 yd <sup>3</sup>	3.2 m <sup>3</sup>	3.81 yd <sup>3</sup>	2.9 m <sup>3</sup>	3.44 yd <sup>3</sup>	2.6 m <sup>3</sup>
	4.48 yd <sup>3</sup>	3.4 m <sup>3</sup>	4.08 yd <sup>3</sup>	3.1 m <sup>3</sup>	3.69 yd <sup>3</sup>	2.8 m <sup>3</sup>
	5.38 yd <sup>3</sup>	4.1 m <sup>3</sup>	4.90 yd <sup>3</sup>	3.7 m <sup>3</sup>	4.42 yd <sup>3</sup>	3.4 m <sup>3</sup>
1,780 - 1,170 lb/yd <sup>3</sup> (1 050 - 690 kg/m <sup>3</sup> ) Coal Topsoil Peat, wet	6.34 yd <sup>3</sup>	4.8 m <sup>3</sup>	5.78 yd <sup>3</sup>	4.4 m <sup>3</sup>	5.22 yd <sup>3</sup>	4.0 m <sup>3</sup>
	7.06 yd <sup>3</sup>	5.4 m <sup>3</sup>	6.43 yd <sup>3</sup>	4.9 m <sup>3</sup>	-	-
	9.65 yd <sup>3</sup>	7.4 m <sup>3</sup>	8.80 yd <sup>3</sup>	6.7 m <sup>3</sup>	-	-
950 - 700 lb/yd <sup>3</sup> (560 - 420 kg/m <sup>3</sup> ) Cinders Peat, dry Wood chips	10.80 yd <sup>3</sup>	8.2 m <sup>3</sup>	9.85 yd <sup>3</sup>	7.5 m <sup>3</sup>	-	-
	15.85 yd <sup>3</sup>	12.1 m <sup>3</sup>	14.44 yd <sup>3</sup>	11.0 m <sup>3</sup>	-	-
	18.98 yd <sup>3</sup>	14.5 m <sup>3</sup>	17.29 yd <sup>3</sup>	13.2 m <sup>3</sup>	-	-
	-	-	-	-	-	-

\* Contact your Hitachi dealer for optimum, bucket and attachment selections. These recommendations are for general conditions and average use. Larger buckets may be possible for flat and level operations, less compacted materials, and volume loading applications such as mass excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications and uneven surfaces.

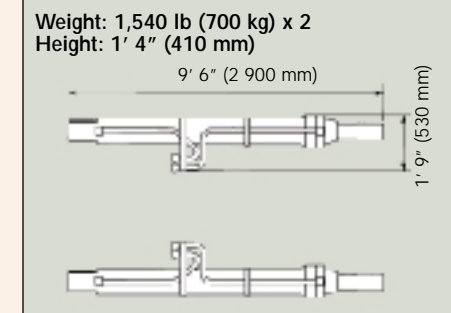
### Reinforced Front Attachment

Bulkheads are provided inside the front attachment to resist torsion and thickened plates are used in areas subject to stress concentration for added durability in tough operations.

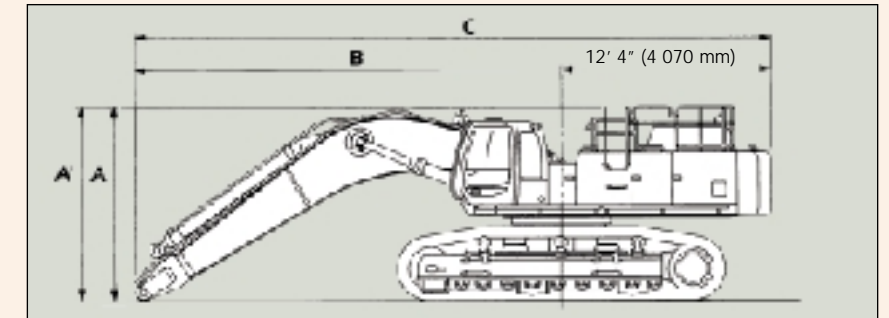


## BACKHOE ATTACHMENT

### Boom cylinders



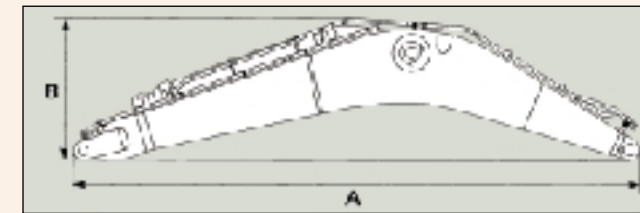
### Basic machine with boom



	Boom length	Shoe width	Overall width	Weight	A	A'	B	C
EX750	27' 1" (8.25 m)	26" (650 mm)	11' 5" (3 480 mm)	108,070 lb (49 010 kg)	12' 3" (3 730 mm)	12' 10" (3 920 mm)	27' 4" (8 330 mm)	38' 2" (11 640 mm)
		30" (750 mm)	11' 9" (3 580 mm)	109,610 lb (49 710 kg)				
		35" (900 mm)	12' 3" (3 730 mm)	112,040 lb (50 810 kg)				
EX750	23' 4" (7.10 m)*	26" (650 mm)	11' 5" (3 480 mm)	108,330 lb (49 130 kg)	12' 8" (3 860 mm)	12' 9" (3 890 mm)	23' 7" (7 180 mm)	34' 5" (10 490 mm)
		30" (750 mm)	11' 9" (3 580 mm)	109,880 lb (49 830 kg)				
		35" (900 mm)	12' 3" (3 730 mm)	112,300 lb (50 930 kg)				

\* BE-boom

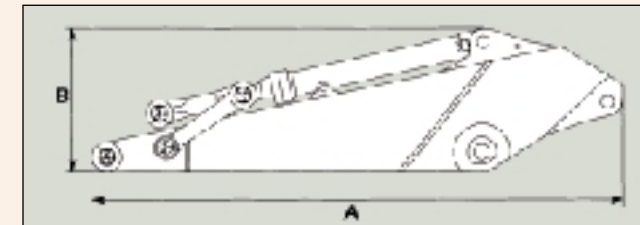
### Boom



	Boom length	A	B	Width	Weight
EX750	27' 1" (8.25 m)	27' 11" (8 500 mm)	6' 3" (1 900 mm)	4' 8" (1 420 mm)	15,460 lb (7 010 kg)
EX750	23' 4" (7.10 m)*	24' 7" (7 500 mm)	8' 1" (2 450 mm)	4' 8" (1 420 mm)	15,880 lb (7 200 kg)

\* BE-boom

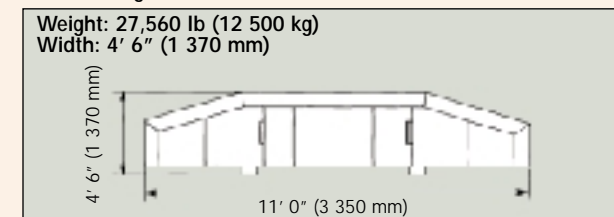
### Arm



	Arm length	A	B	Width	Weight
EX750	11' 10" (3.60 m)	16' 7" (5 065 mm)	3' 11" (1 190 mm)	2' 9" (840 mm)	7,920 lb (3 590 kg)
	14' 5" (4.40 m)	19' 1" (5 820 mm)	4' 4" (1 320 mm)	2' 9" (840 mm)	8,600 lb (3 900 kg)
	17' 9" (5.40 m)	22' 5" (6 820 mm)	4' 2" (1 270 mm)	2' 9" (840 mm)	8,600 lb (3 900 kg)
EX750	9' 8" (2.95 m)*	14' 6" (4 410 mm)	5' 7" (1 700 mm)	2' 9" (840 mm)	9,590 lb (4 350 kg)

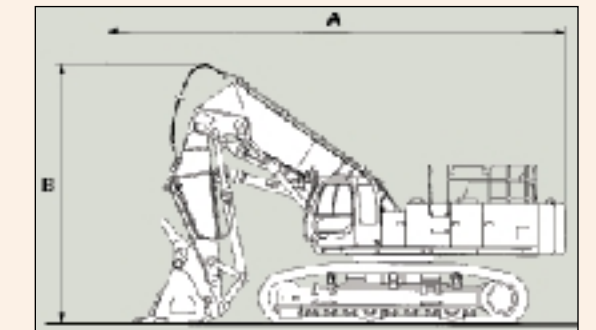
\* BE-arm

### Counterweight



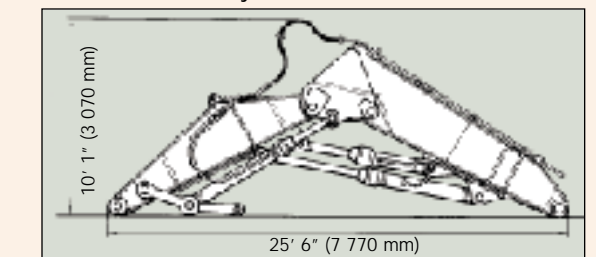
## LOADING SHOVEL

### Basic machine with 5.23 yd<sup>3</sup> (4.0 m<sup>3</sup>) bucket



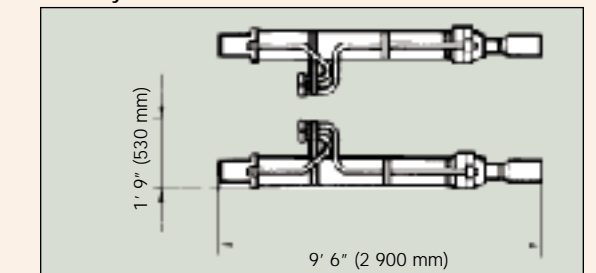
A: 32' 7" (9 940 mm) B: 19' 5" (5 910 mm) Width: 11' 5" (3 480 mm)

### Boom & arm assembly



Weight: 25,250 lb (11 450 kg) Width: 4' 9" (1 450 mm)

### Boom cylinders

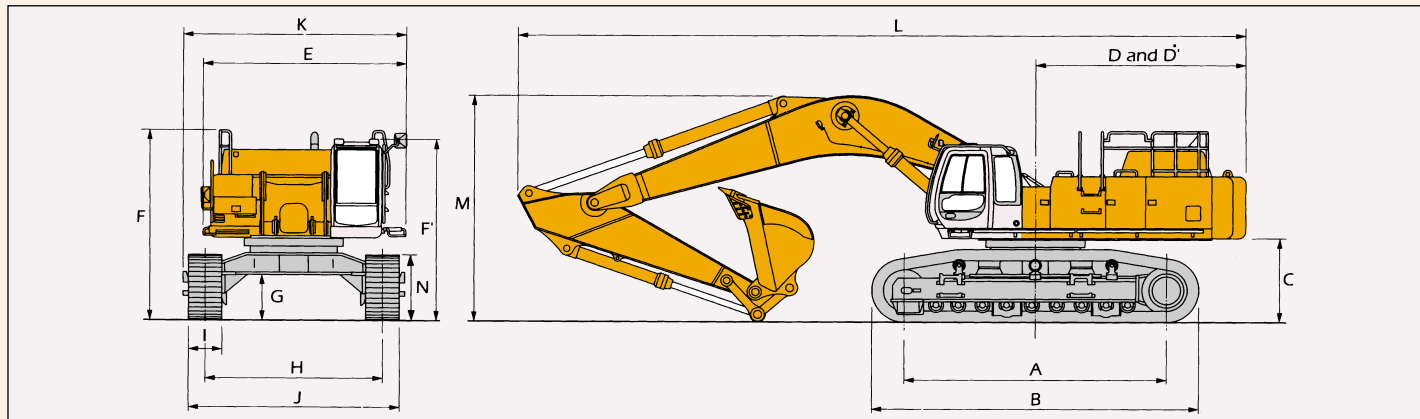


Weight: 1,540 lb (700 kg) x 2 Height: 1' 4" (410 mm)

# Specifications: EX750

## Dimensions

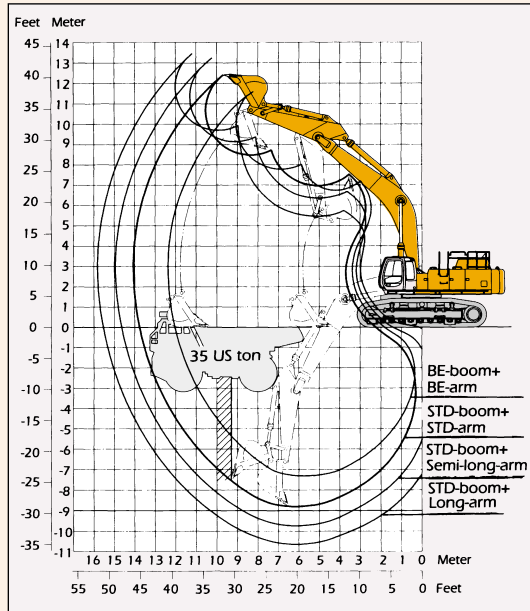
### BACKHOE EX750



	EX750			EX750 BE-front		
A	Distance between tumblers			16' 9" (5 110 mm)		
B	Undercarriage length			20' 10" (6 350 mm)		
*C	Counterweight clearance			5' 2" (1 580 mm)		
D	Rear-end swing radius			13' 8" (4 160 mm)		
D'	Rear-end length			13' 4" (4 070 mm)		
E	Overall width of upperstructure			12' 10" (3 920 mm)		
F	Overall height			12' 4" (3 760 mm)		
F'	Overall height of cab			11' 7" (3 530 mm)		
*G	Min. ground clearance			2' 10" (870 mm)		
H	Track gauge			Extended/Retracted		
I	Track shoe width			26" (G650 mm) / 30" (G750 mm) / 35" (G900 mm)		
J	Undercarriage width			Extended/Retracted		
K	Overall width			14' 2" (4 310 mm)		
L	Overall length			46' 6" (14 160 mm)		
**M	Overall height of boom			15' 0" (4 570 mm)		
N	Track height			4' 10" (1 470 mm)		

\*Excluding track shoe lug \*\* Including hydraulic hose

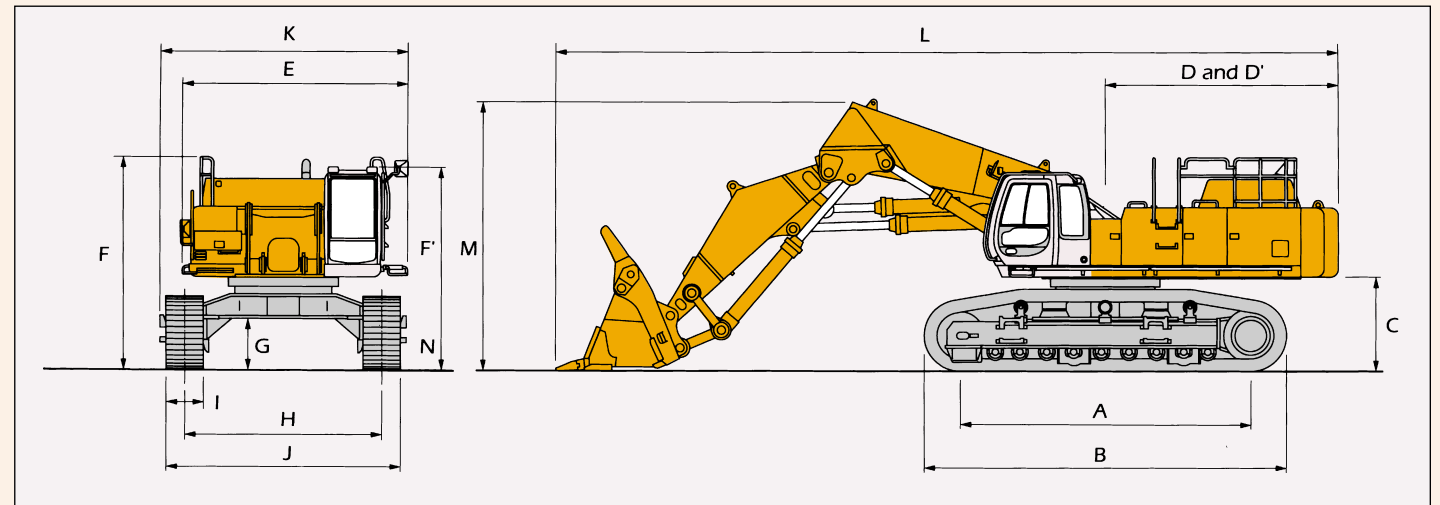
## Working Ranges



		EX750			
		23' 4" (7.10 m) BE-boom	27' 1" (8.25 m)		
		9' 8" (2.95 m) BE-arm	11' 10" (3.60 m)	14' 5" (4.40 m)	17' 9" (5.40 m)
A	Max. digging reach	40' 9" (12 410 mm)	45' 11" (13 990 mm)	48' 9" (14 870 mm)	51' 6" (15 700 mm)
A'	Max. digging reach (on ground)	39' 8" (12 100 mm)	45' 0" (13 710 mm)	48' 0" (14 620 mm)	50' 9" (15 460 mm)
B	Max. digging depth	23' 10" (7 260 mm)	29' 2" (8 900 mm)	31' 9" (9 680 mm)	34' 8" (10 560 mm)
B'	Max. digging depth (8' level)	23' 4" (7 110 mm)	28' 9" (8 750 mm)	31' 5" (9 570 mm)	34' 4" (10 460 mm)
C	Max. cutting height	38' 3" (11 650 mm)	41' 0" (12 500 mm)	43' 8" (13 300 mm)	44' 4" (13 500 mm)
D	Max. dumping height	25' 7" (7 790 mm)	27' 11" (8 520 mm)	30' 2" (9 200 mm)	32' 0" (9 760 mm)
E	Min. swing radius	18' 1" (5 520 mm)	20' 10" (6 360 mm)	20' 6" (6 240 mm)	22' 1" (6 730 mm)
F	Max. vertical wall depth	14' 4" (4 370 mm)	25' 0" (7 610 mm)	28' 9" (8 760 mm)	30' 7" (9 310 mm)
Bucket digging force	ISO	95,000 lbf (43 100 kgf)	74,800 lbf (33 900 kgf)	74,800 lbf (33 900 kgf)	58,400 lbf (26 500 kgf)
	SAE: PCSA	82,000 lbf (37 200 kgf)	65,100 lbf (29 500 kgf)	65,100 lbf (29 500 kgf)	50,700 lbf (23 000 kgf)
Arm crowd force	ISO	70,900 lbf (32 100 kgf)	59,800 lbf (27 100 kgf)	50,700 lbf (23 000 kgf)	42,800 lbf (19 400 kgf)
	SAE: PCSA	67,700 lbf (30 700 kgf)	57,300 lbf (26 500 kgf)	49,000 lbf (22 200 kgf)	41,700 lbf (18 900 kgf)

## Dimensions

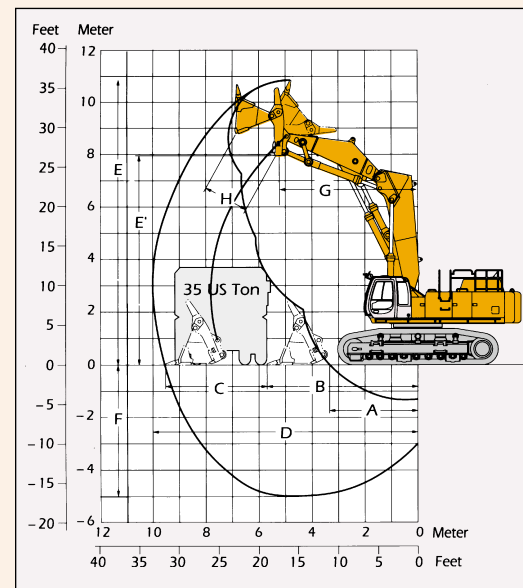
### LOADING SHOVEL EX750



		EX750		
A	Distance between tumblers	16' 9" (5 110 mm)		
B	Undercarriage length	20' 10" (6 350 mm)		
*C	Counterweight clearance	5' 2" (1 580 mm)		
D	Rear-end swing radius	13' 8" (4 160 mm)		
D'	Rear-end length	13' 4" (4 070 mm)		
E	Overall width of upperstructure	12' 10" (3 920 mm)		
F	Overall height	12' 4" (3 760 mm)		
F'	Overall height of cab	11' 7" (3 530 mm)		
*G	Min. ground clearance	2' 10" (870 mm)		
H	Track gauge	Extended/Retracted		
I	Track shoe width	26" (G650 mm) / 30" (G750 mm) / 35" (G900 mm)		
J	Undercarriage width	Extended/Retracted		
K	Overall width	14' 2" (4 320 mm)		
L	Overall length	44' 10" (13 670 mm)		
**M	Overall height of boom	16' 1" (4 900 mm)		
N	Track height	4' 10" (1 470 mm)		

Notes: \*Excluding track shoe lug. \*\* Including hydraulic hose.

## Working Ranges



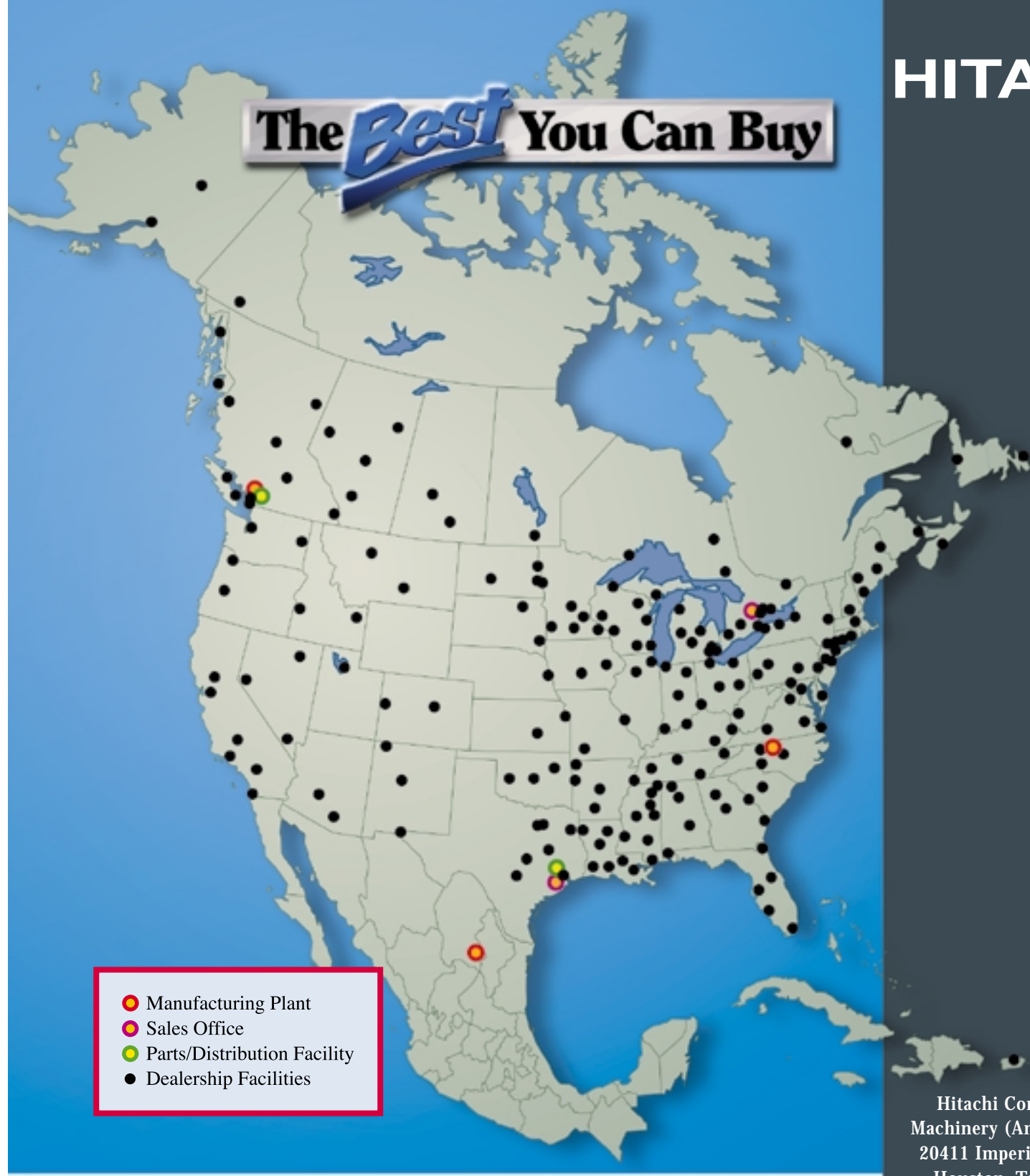
Type of bucket	Bottom dump type	Tilt dump type
A	Min. digging distance	11' 0" (3 350 mm)
B	Min. level crowding distance	19' 0" (5 780 mm)
C	Level crowding distance	12' 6" (3 820 mm)
D	Max. digging reach	32' 10" (10 000 mm)
E	Max. cutting height	35' 7" (10 850 mm)
E'	Max. dumping height	25' 11" (7 900 mm)
F	Max. digging depth	16' 7" (5 060 mm)
G	Working radius at max. dumping height	17' 7" (5 350 mm)
H	Max. bucket opening width	5' 3" (1 600 mm)
Crowding force		99,200 lbf (45 000 kgf)
Breakout force		97,000 lbf (44 000 kgf)





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