

HITACHI

SuperEX EX750/EX800H

Rated Engine HP (gross): 333 kW (446 PS)

Operating Weights

Backhoe:

EX750-5: 73 200 kg (161 400 lb)

EX800H-5: 75 000 kg (165 400 lb)

Loading Shovel:

EX750-5: 76 900 kg (169 600 lb)

EX800H-5: 77 700 kg (171 300 lb)

Backhoe Bucket Capacity

PCSA Heaped: 2.0-4.1 m³ (2.62-5.36 yd³)

CECE Heaped: 1.8-3.6 m³

Loading Shovel bucket capacity:

PCSA Heaped: 3.6-4.4 m³ (4.71-5.75 yd³)



Dynamic, Powerful Excavation Opening a New Horizon in Productivity

The Hitachi EX750. The big hydraulic excavators that deliver the most demanded features—operator comfort, controllability, job efficiency, reliability, durability and safety. Thanks to Hitachi's cutting edge technology and years of experience, the EX750 come equipped with many extras. Their performance can be counted on when the going is tough, thus opening a new horizon in productivity.



SuperEX-IV EX750

Massive Power and Agile Movements

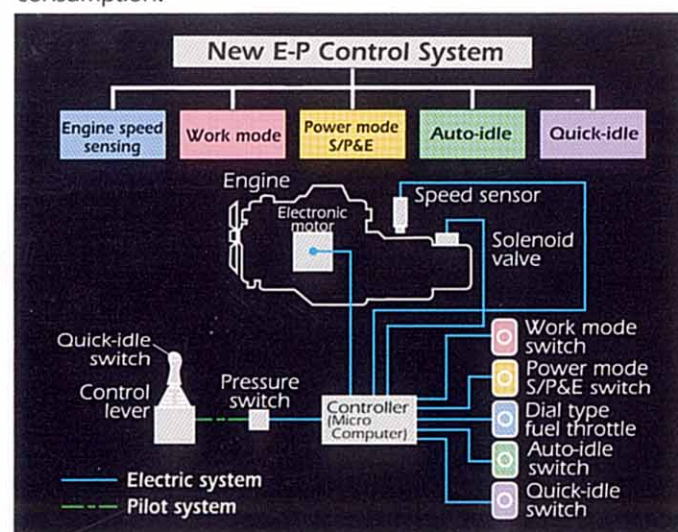
Power and Speed the Operation Most Wants for Tough Job.
It's the Secret of Big Production.



PRODUCTIVITY AND CONTROLLABILITY

New E-P Control for Big Production

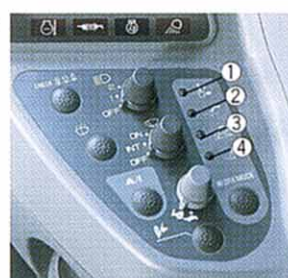
The computer-controlled new E-P (Engine - Pump) control can adjust engine horsepower and pump flow rate to job requirements. The speed-sensing summation system makes efficient use of engine horsepower. That's why optimum operation can be accomplished with great economy. The operator can choose from three work modes: the S/P mode for big production, general mode for multi-purpose operation, and E mode for quiet operation with less fuel consumption.



Work Mode Selector for Increased Production

The operator can choose the optimum work mode to match the job needs and conditions.

- ① Trenching mode for wall priority is given to swing in combined operation of swing and boom raise while pressing the bucket to digging wall.
- ② Precision mode for fine finishing work.
- ③ Grading mode for slow, precision grading while the arm is rolled in.
- ④ Excavation mode for general digging.



Tiltable Seat and Three-Stage Adjustable Control Levers

The tiltable seat allows the operator to adjust his position to job needs. Also, control lever can be adjusted at three stages to the operator's build.



Quick Idle Switch for Reduced Fuel Consumption

Pressing the quick idle switch atop the right control lever reduces idling speed. This effectively reduces fuel waste when waiting for a dump truck, for example.



OPERATOR COMFORT

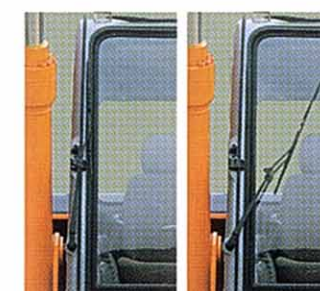
Roomy Cab with Improved Visibility

The wide 1 m (3'3") cab, the widest in this class, plus ample foot space enhance operator comfort and convenience. Raise-up wipers and large overhead window improve visibility.



Fresh Air Introduction Type Air Conditioner (New Refrigerant)

This large capacity air conditioner always keeps the cab comfortable. Rotatory louver serves as a defroster for rapid air warming. Car-like temperature control enhances operating ease.



▪ Rotatory louver

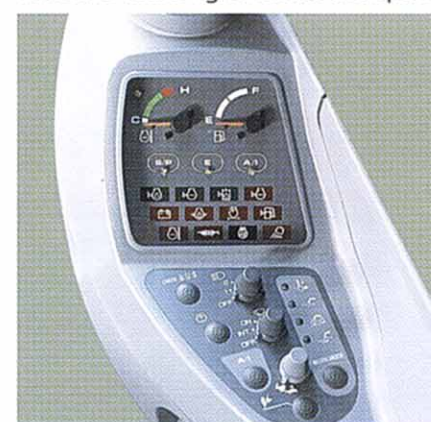
▪ Raise-up wiper (stored and in use)



▪ Air conditioner control panel

Functional Layout

Controls, monitors and switches are functionally laid out. Monitors and switches are located at front right, and engine controls are at the right next to the operator.



Dial Type Fuel Throttle

Dial type fuel throttle is provided for control of engine speed according to job needs.



Hot-and-Cool Box and Storage Box

Hot-and-cool box with good heat insulation and storage box that can hold small parcels are located behind the operator seat for operator convenience.



Rugged Body Sustains Big Production on Tough Job Site

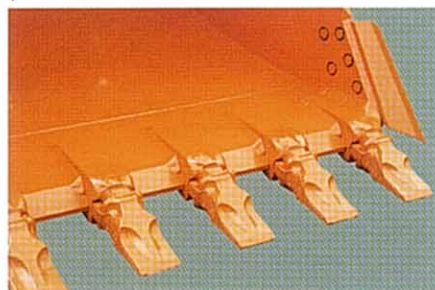
Reliability and durability. All come from the rugged body.

DURABILITY

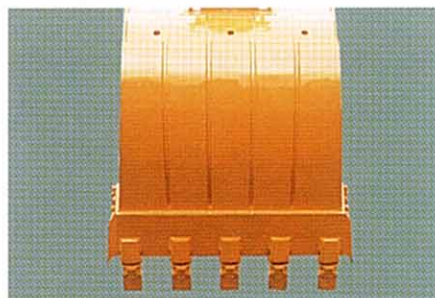
Bucket link A is cast monolithically to resist torsion for durability.



Interlocking mounting side cutters (hoe bucket) prevent the bucket side plates from wear.

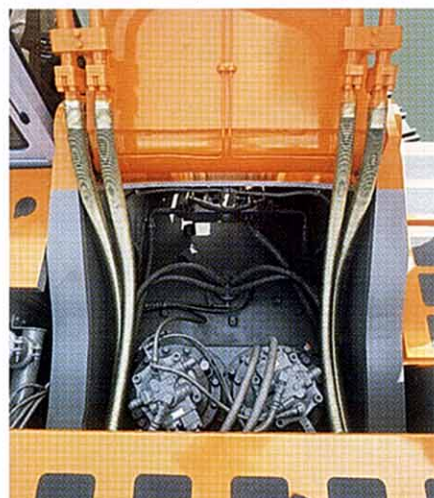


Bucket Bottom Wear Plates
Wear plates are provided at the bucket bottom for wear resistance.



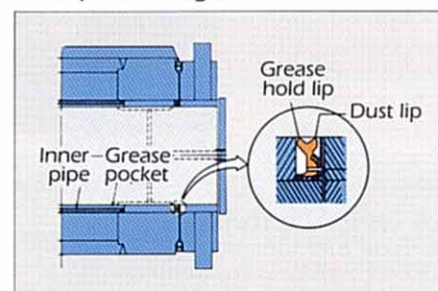
Protected Arm and Bucket Piping

Between the upperstructure and boom, the arm and bucket rubber pipes are replaced with the protected simple pipes.



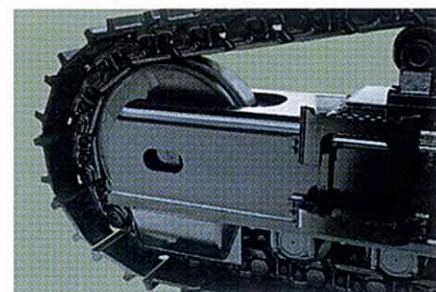
Advanced Front Pin Seal

Double reverse lip seals are provided at front pins to keep grease in and extend life of pin bushings.



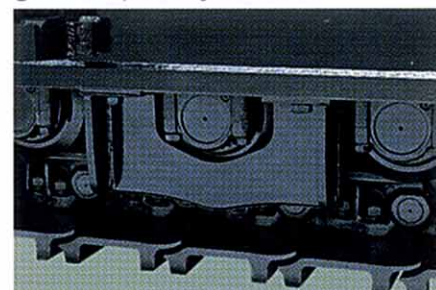
Track Adjuster

The spring-loaded track adjuster, featuring simple structure. Stone-catching guard is provided between front idler and track frame.



Track Guard

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

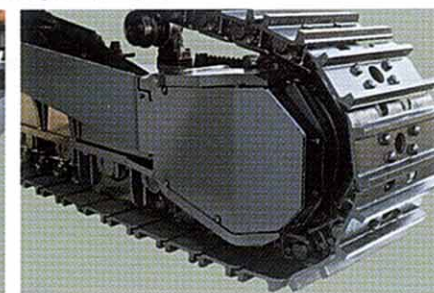


Compact Durable Travel Motors and Travel Motor Cover

This cover protects the travel motor from damage. Piping is housed inside the track frame for protection against impacts. Also, an ample 870 mm (2' 10") ground clearance enhances mobility on rough terrain.

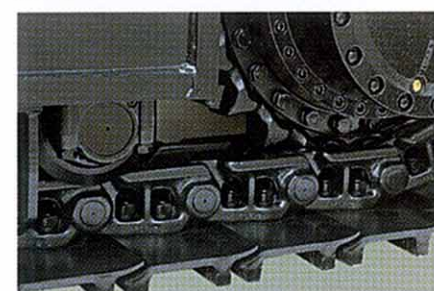


89 mm (3.4")
■ Compact travel motors with 650 mm (26") shoes

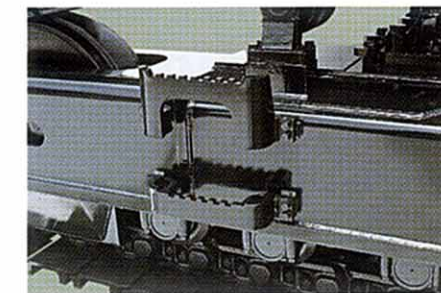


Large Track Links

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

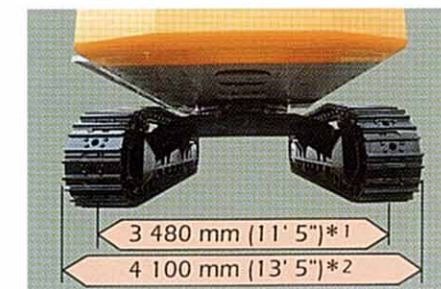


Reinforced Steps provided on the side of the track frame.



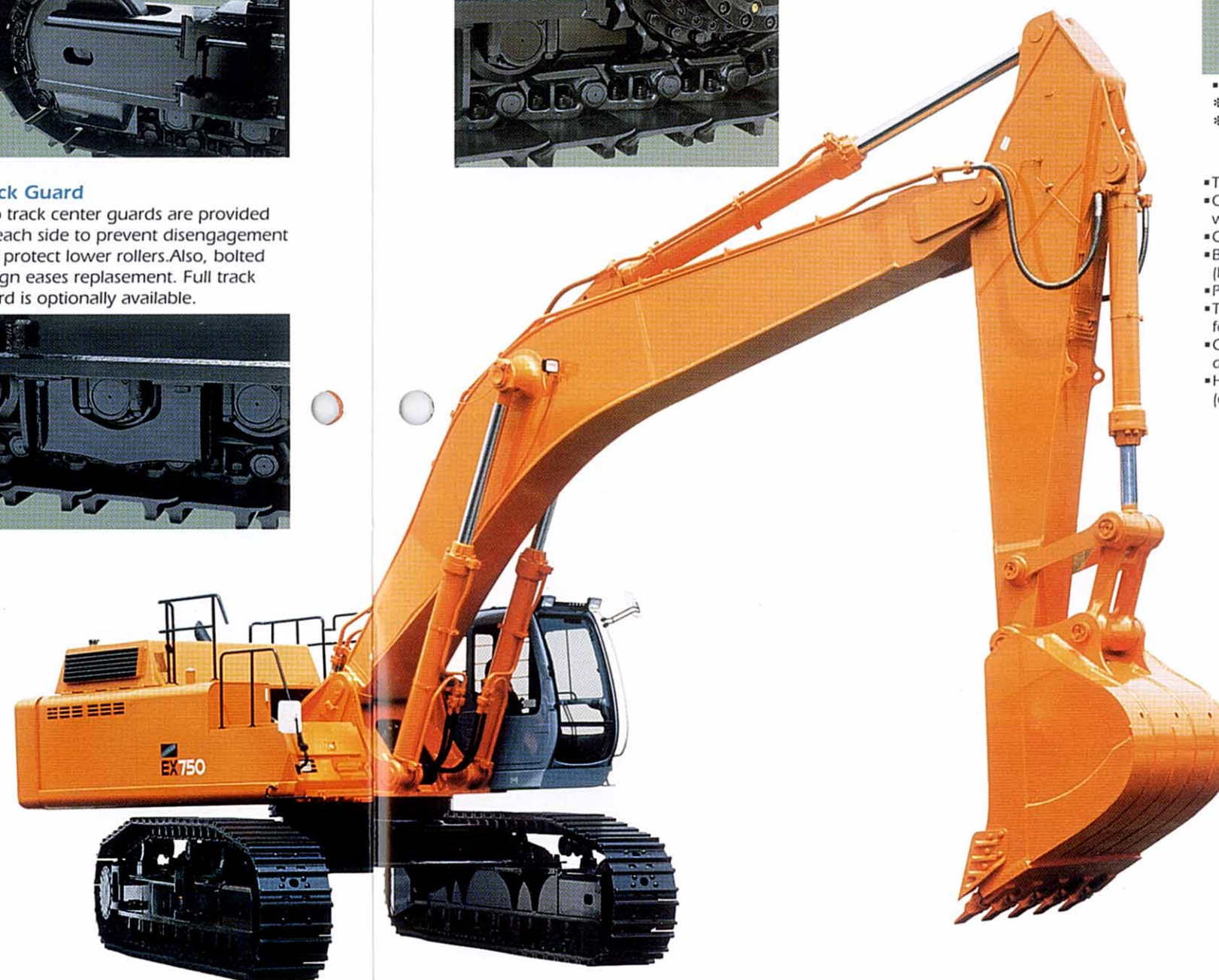
Retractable Track Frames

Track frames can be extended for higher stability at work, and retracted for convenience of transport.



■ With 650 mm (26") shoes
* 1: retracted for transport
* 2: extended for operation

- The arm top is boss-lubricated
- Quick warm-up circuit for quick start in cold weather
- Cushioned cylinders at boom, arm and bucket
- Bucket clearance adjust mechanism (backhoe)
- Positive swing/parking brake
- TIG (Tungsten Inert Gas) welding on piping for fatigue resistance
- ORS (O-Ring Seal) enhances high-pressure durability and reliability
- Heavy lift mechanism for added lifting force (option)



Hitachi Design Heritage: Operetor-First and Enviromentally-Friendly Design

Safety and maintainability are further enhanced.
Emission control engine is mounted for harmony with the environment.

SAFETY

Pressurized Cab

The cab front windshield is made of strengthened, laminated glass.



Emission Control Engine

Conforming to the USA's Environmental Protection Agency (EPA), the emissions control engine is adopted to keep the atmosphere clean.



Seat Belt is standard



Emergency Evacuation Hammer

The hammer is provided in the cab for getting out of the cab in the case of an emergency.



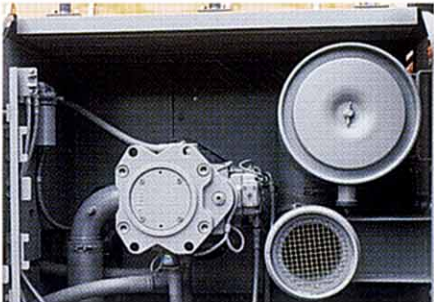
Sidewalk on Left Side

The sidewalk, 305 mm (12.0"), is provided on the upperstructure left side to help the operator easily check the engine and hydraulic equipment.



Pump Bulkhead

A bulkhead is provided between pump and engine.



Large handrails

Large handrails are located at important points conforming to EN (European Norm).



Two Rearview Mirrors

Two curved rearview mirrors, rearward viewing.



MAINTENANCE

Large Inspection Space

The large inspection space, located before the engine compartment, provide direct access to the engine for easy maintenance.



Remote Lubrication

Remove lubrication system is adopted for simple greasing for the front attachment.



Large Utility Space

The utility space, located behind the cab, is large enough for holding a spare grease can, pail can and tools.



Cartridge type fuel filter, engine oil filter and bypass filters

are provided for simple maintenance from the ground.



Electric Lubricator

The electric lubricator with hose reel is provided for easy greasing.



Auto Lubricator (option)

Auto lubricator is optionally available to simplify lubrication at front pins.



SuperEX-V EX800H

More Ruggedness with Less Downtime for Tough, Productive Operation

The robust body is further strengthened for increased productivity and profitability.

DURABILITY AND SAFETY

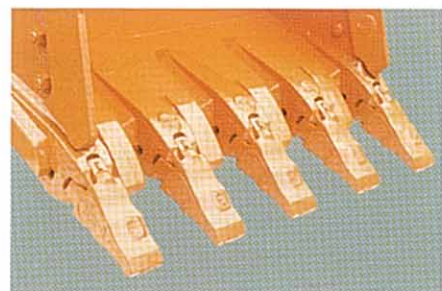
Damage Prevention Plate and Square Bars

They protect the arm bottom plate from damage due to rocks caught during excavation.



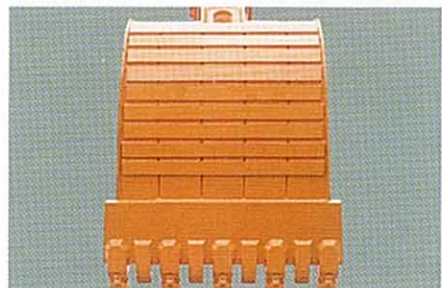
Big Bucket Teeth

Bucket teeth are large and rugged enough for rock excavation, avoiding disengagement and increasing wear resistance.



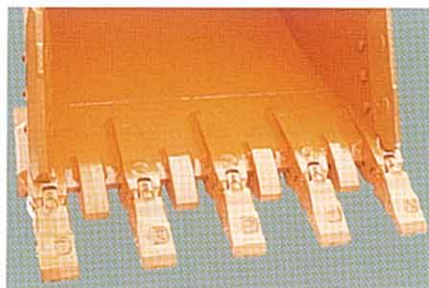
Double Bucket Bottom Wear Plates

Double wear plates are provided at the bucket bottom for increased wear resistance.



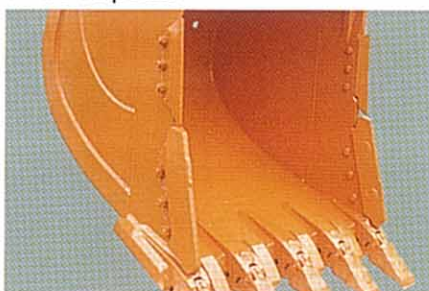
Cutting Edge Shrouds

Cutting edge is thickened, and shrouds are enlarged for increased wear resistance.



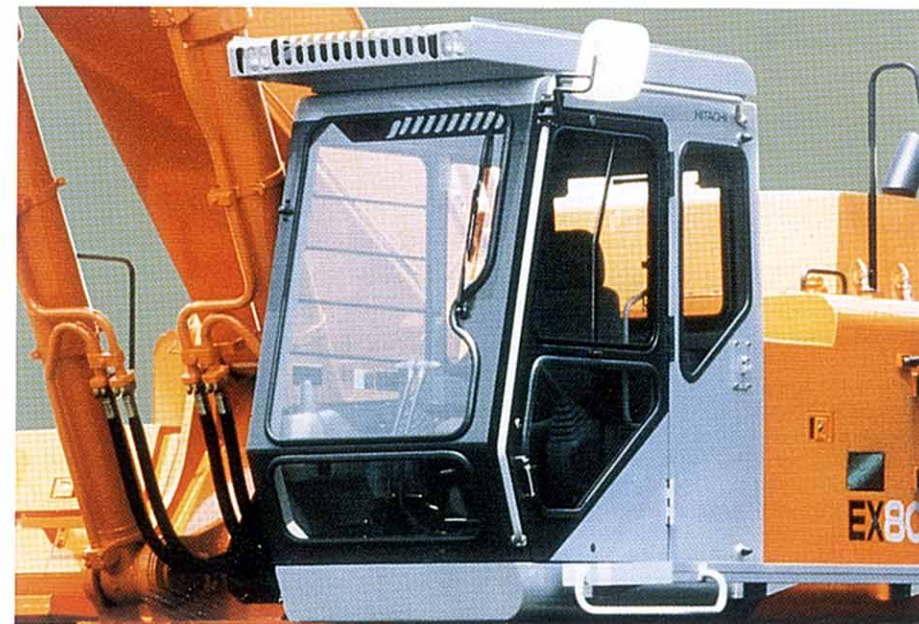
Two Side Shrouds

Two side shrouds are provided on each side of the bucket to reduce wear of its side plates.



Pressurized Cab with Integrated Headguard

The integrated cab protects the operator from falling objects. The cab front windshield is made of strengthened, laminated glass.



Emergency Evacuation Window

The rear window of the cab serves as an emergency exit for getting out of the cab.



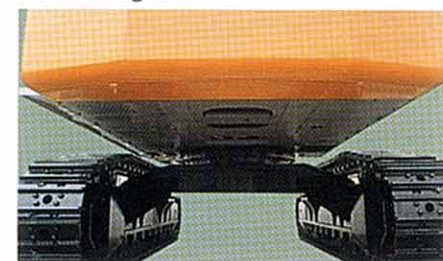
Cab Front Guard and Sunvisor

These accessories are optionally available for the pressurized cab with headguard.



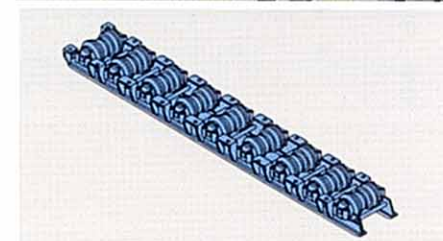
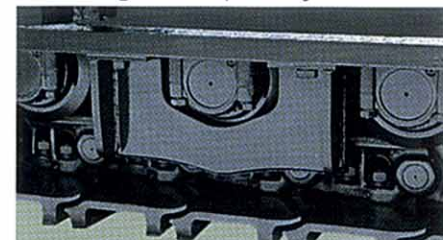
Strengthened Undercover

Thickened undercover at the bottom of the upperstructure protects hydraulic equipment from damage due to obstructions during travel.



Reinforced Track Guard

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



● Reinforced steps provided on the side of the track frame.

SPECIFICATIONS



ENGINE

Model	CUMMINS N14C
Type	4-cycle water-cooled,direct injection & aftercooled
Aspiration	Turbocharged
No. of cylinders	6
Rated flywheel horsepower	
DIN 6271,net	324 kW (440 PS) at 1 800min ⁻¹ (rpm)
SAE J1349,net	324 kW (434 HP) at 1 800 min ⁻¹ (rpm)
Maximum flywheel horsepower	
SAE J1349,gross	333 kW (446 HP) at 1 800 min ⁻¹ (rpm)
Maximum torque	1750 N·m(178 kgf·m, 1 290 lbf·ft) at 1 400 min ⁻¹ (rpm)
Piston displacement	14.00 L (854 in ³)
Bore and stroke	140mm× 152mm(5.51"× 5.98")
Batteries	2× 12 V, 170 AH
Governor	Mechanical,speed control by stepping motor



HYDRAULIC SYSTEM

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

Hydraulic Motors

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

Relief Valve Settings

Implement circuit	30.9 MPa (315 kgf/cm ² , 4 480 psi)
Swing circuit	28.4 MPa (290 kgf/cm ² , 4 120 psi)
Travel circuit	31.9 MPa (325 kgf/cm ² , 4 620 psi)
Pilot circuit	3.9 MPa (40 kgf/cm ² , 570 psi)

Hydraulic Cylinders

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

Dimention

Backhoe : Equipped with 8.25 m (27' 1") boom, 3.60 m (11' 10") arm, and 3.3 m³ (4.32 yd³) : PCSA heaped

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

Hydraulic Filters

All hydraulic circuits use hydraulic filters. A suction filter is built in suction line, and 10μ m 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



UPPERSTRUCTURE

Revolving Frame

Welded, study 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 snd 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 swings.
Swing speed 8.6min⁻¹ (rpm)

Operator's Cab

Independent, roomy cab, 1 000 mm (3' 0") wide by 1 620 mm (5' 4") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for excellent visibility. Front windows (upper and lower) are open-able 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 Standard Organization



UNDERCARRIAGE

Tracks

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

Numbers of Rollers and Shoes on Each Side

Upper rollers	3
Lower rollers	9
Track shoes	51
Track guard	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 speed	High: 0 to 4.6 km/h (2.9 mph) Low: 0 to 3.3 km/h (2.1 mph)
Maximum traction force	490 kN (50 000 kgf, 1 10 300 lbf)
Gradeability	35°(70 %) continuous



WEIGHTS AND GROUND PRESSURE

EX750-5: Equipped with 8.25 m (27'1") boom, 3.60 m (11'10") arm, and 3.3 m³ (4.32 yd³): PCSA heaped bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	73 200 kg (161 400 lb)	100 kPa (1.02 kgf/cm ² , 14.5 psi)
	750 mm (30")	73 900 kg (162 900 lb)	87 kPa (0.89 kgf/cm ² , 12.7 psi)
	900 mm (35")	74 800 kg (164 900 lb)	74 kPa (0.75 kgf/cm ² , 10.7 psi)

EX750-5: Equipped with 7.10 m (23'4") BE-boom, 2.95 m (9'8") BE-arm, and 4.1 m³ (5.36 yd³): PCSA heaped bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	75 000 kg (165 400 lb)	102 kPa (1.04 kgf/cm ² , 14.8 psi)
	750 mm (30")	75 700 kg (166 900 lb)	89 kPa (0.91 kgf/cm ² , 12.9 psi)
	900 mm (35")	76 700 kg (169 100 lb)	76 kPa (0.77 kgf/cm ² , 10.9 psi)

EX800H-5: Equipped with 8.25 m (27'1") H-boom, 3.60 m (11'10") H-arm, and 3.3 m³ (4.32 yd³): PCSA heaped rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	74 500 kg (164 300 lb)	101 kPa (1.03 kgf/cm ² , 14.6 psi)

EX800H-5: Equipped with 7.10 m (23'4") BE-boom, 3.60 m (11'10") H-arm, and 3.6 m³ (4.71 yd³): PCSA heaped rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	74 800 kg (164 900 lb)	102 kPa (1.04 kgf/cm ² , 14.8 psi)

Note: Depending on jobsite conditions, 750 mm (30") and 900 mm (35") double grouser shoe not be recommended for rock, hard surface or forestry application.

Loading Shovel

EX750-5: Equipped with 4.0 m³ (5.23 yd³) bottom dump bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	76 900 kg (169 600 lb)	105 kPa (1.07 kgf/cm ² , 15.2 psi)

EX800H-5: Equipped with 3.6 m³ (4.71 yd³) bottom dump rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	77 000 kg (169 800 lb)	106 kPa (1.08 kgf/cm ² , 15.4 psi)

Backhoe Buckets

Capacity		Width		No. of teeth	Weight	Recommendation					
						EX750-5				EX800H-5	
						7.10 m (23'4") BE-boom	8.25 m (27'1")boom			8.25 m (27'1") H-boom	7.10 m (23'4") BE-boom
PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.95 m (9'8") BE-arm	3.60 m (11'10") arm	4.40 m (14'5") arm	5.40 m (17'9") arm	3.60 m (11'10") H-arm	3.60 m (11'10") H-arm
2.0 m ³ (2.62 yd ³)	1.80 m ³	1 350 mm (4' 5")	1 490 mm (4' 11")	5	2 060 kg (4 540 lb)						
2.4 m ³ (3.14 yd ³)	2.20 m ³	1 420 mm (4' 8")	1 560 mm (5' 1")	5	2 350 kg (5 180 lb)						
2.8 m ³ (3.66 yd ³)	2.40 m ³	1 510 mm (4' 11")	1 700 mm (5' 7")	5	2 400 kg (5 290 lb)						
2.9 m ³ (3.79 yd ³)	2.60 m ³	1 620 mm (5' 4")	1 810 mm (5' 11")	5	2 500 kg (5 510 lb)						
3.3 m ³ (4.32 yd ³)	2.90 m ³	1 620 mm (5' 4")	1 810 mm (5' 11")	5	2 620 kg (5 780 lb)						
*3 4.1 m ³ (5.36 yd ³)	3.60 m ³	—	2 050 mm (6' 9")	5	3 500 kg (7 720 lb)						
*1 3.3 m ³ (4.32 yd ³)	2.90 m ³	—	1 830 mm (6' 0")	5	3 300 kg (7 280 lb)						
*2 3.6 m ³ (4.71 yd ³)	3.20 m ³	—	1 960 mm (6' 5")	5	3 490 kg (7 700 lb)						
*3 4.1 m ³ (5.36 yd ³)	3.60 m ³	—	2 030 mm (6' 8")	5	4 000 kg (8 820 lb)						
*4 1.9 m ³ (2.49 yd ³)	1.70 m ³		1 490 mm (4' 11")	3	4 100 kg (9 040 lb)						
*5 2.2 m ³ (2.88 yd ³)	2.00 m ³		1 580 mm (5' 2")	3	4 300 kg (9 480 lb)						
One point ripper	—	800 mm (2' 7")	—	1	2 600 kg (5 730 lb)						

*1 Rock bucket for H-front

*2 Rock bucket for BE-H-arm front

*3 BE-front

*4 Ripper bucket

*5 4.10 m³ (5.36 yd³), Rock and Ripper bucket equipped with Side shroud.

SERVICE REFILE CAPACITIES

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



BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. 7.10 m (23'4") BE-boom, 8.25 m (27'1") boom, 8.25 m (27'1") H-boom, 2.95 m (9'8") arm, 2.95 m (9'8") BE-arm, 3.60 m (11'10"), 3.60 m (11'10") H-arm, 4.40 m(14'5") arm, and 5.40 m (17'9") arms are available. Bucket is all-welded,high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

Booms and Arms are available as follows:

	Boom	Arm
EX750-5	7.10 m (23'4") BE-boom	2.95 m (9'8") BE-arm
	8.25 m (27'1")	3.60 m (11'10"), 4.40 m (14'5"), 5.40 m (17'9")
EX800H-5	8.25 m (27'1") H-boom	3.60 m (11'10") H-arm
	7.10 m (23'4") BE-boom	3.60 m (11'10") H-arm
	7.10 m (23'4") BE-boom	2.95 m (9'8") BE-arm

LOADING SHOVEL ATTACHMENTS

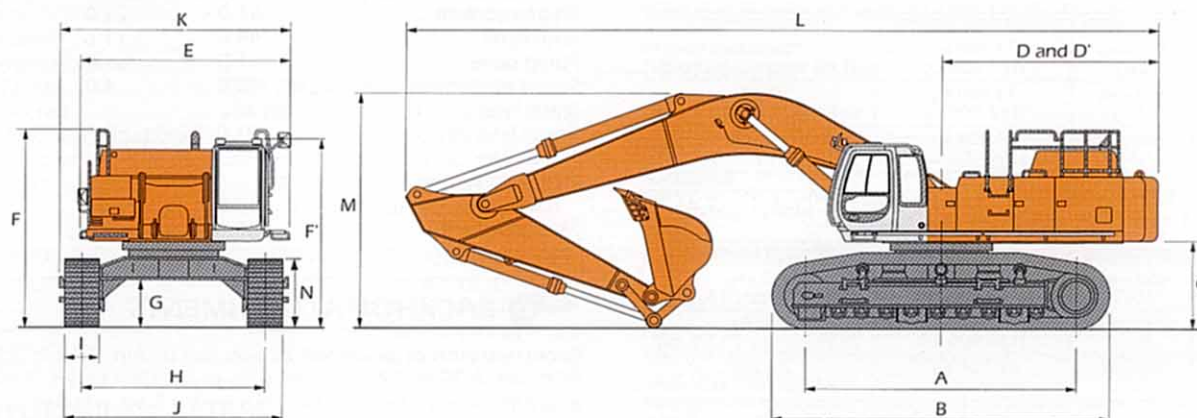
Boom and arms of all-welded, box-section design. Efficient, auto-matic level crowding achieved by one-lever control because parallel link mechanism keeps the bucket digging angle constant, and level cylinder circuit maintains the bucket height constant. (Auto-Leveling Crowd Mechanism)

Loading Shovel Bucket (PCSA heaped)

Capacity	Max. width	No. of teeth	Weight	Type
3.6 m ³ (4.71 yd ³)	2 300 mm (7' 7")	6	6 080 kg (13 410 lb)	Bottom dump type rock bucket
4.0 m ³ (5.23 yd ³)	2 460 mm (8' 1")	6	5 620 kg (12 390 lb)	Bottom dump type general purpose bucket
4.0 m ³ (5.23 yd ³)	2 360 mm (7' 9")	6	4 980 kg (10 980 lb)	Tilt dump type rock bucket
4.4 m ³ (5.75 yd ³)	2 520 mm (8' 3")	6	4 630 kg (10 210 lb)	Tilt dump type general purpose bucket

DIMENSIONS

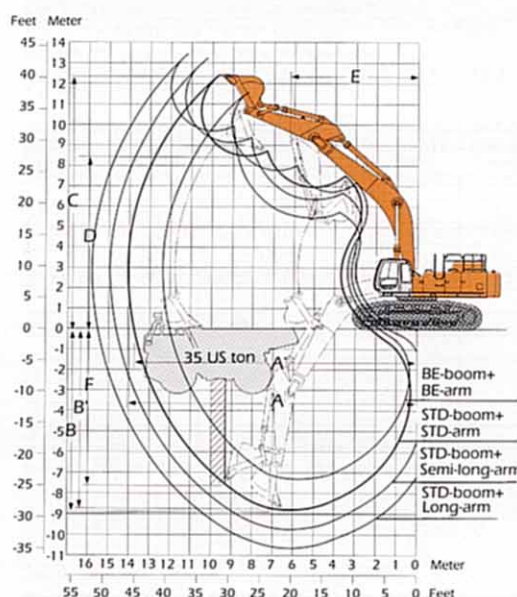
BACKHOE EX750-5



	EX750-5	EX750-5 BE-front
A Distance between tumbler	5 110 mm (16' 9")	5 110 mm (16' 9")
B Undercarriage length	6 350 mm (20' 10")	6 350 mm (20' 10")
*C Counterweight clearance	1 580 mm (5' 2")	1 580 mm (5' 2")
D Rear-end swing radius	4 160 mm (13' 8")	4 160 mm (13' 8")
D' Rear-end length	4 070 mm (13' 4")	4 070 mm (13' 4")
E Overall width of upperstructure	3 920 mm (12' 10")	3 920 mm (12' 10")
F Overall height	3 760 mm (12' 4")	3 760 mm (12' 4")
F' Overall height of cab	3 530 mm (11' 7")	3 530 mm (11' 7")
*G Min. ground clearance	870 mm (2' 10")	870 mm (2' 10")
H Track gauge Extended/Retracted	3 450 mm (11' 4") / 2 830 mm (9' 3")	3 450 mm (11' 4") / 2 830 mm (9' 3")
I Track shoe width	G650 mm (26") G750 mm (30") G900 mm (35")	G650 mm (26") G750 mm (30") G900 mm (35")
J Undercarriage width Extended/Retracted	4 100 mm (13' 5") / 3 480 mm (11' 5")	4 200 mm (13' 9") / 3 580 mm (11' 9")
K Overall width	4 310 mm (14' 2")	4 310 mm (14' 2")
L Overall length	14 160 mm (46' 6")	13 180 mm (43' 3")
**M Overall height of boom	4 570 mm (15' 0")	5 040 mm (16' 6")
N Track height	1 470 mm (4' 10")	1 470 mm (4' 10")

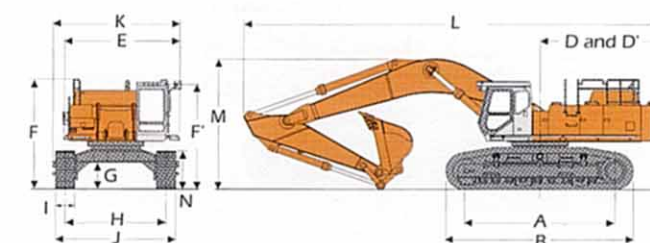
* Excluding track shoe lug ** Including hydraulic hose

WORKING RANGES



	EX750-5
Boom length	7.10 m (23' 4") BE-boom
Arm length	2.95 m (9' 8") BE-arm
A Max. digging reach	12 410 (40' 9")
A' Max. digging reach (on ground)	12 100 (39' 8")
B Max. digging depth	7 260 (23' 10")
B' Max. digging depth (8' level)	7 110 (23' 4")
C Max. cutting height	11 650 (38' 3")
D Max. dumping height	7 790 (25' 7")
E Min. swing radius	5 520 (18' 1")
F Max. vertical wall depth	4 370 (14' 4")
Bucket digging force	ISO 422 kN (95 000 lbf)
SAE, PCSA	365 kN (82 000 lbf)
Arm crowd force	ISO 315 kN (70 900 lbf)
SAE, PCSA	301 kN (67 700 lbf)

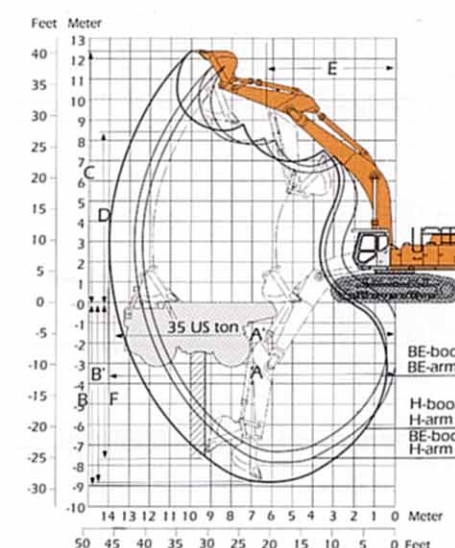
DIMENSIONS



	EX800H-5 (With Headguard-Integrated cab)
A Distance between tumbler	5 110 (16' 9")
B Undercarriage length	6 350 (20' 10")
*C Counterweight clearance	1 580 (5' 2")
D Rear-end swing radius	4 160 (13' 8")
D' Rear-end length	4 070 (13' 4")
E Overall width of upperstructure	3 920 (12' 10")
F Overall height	3 760 (12' 4")
F' Overall height of cab	3 720 (12' 2")
*G Min. ground clearance	870 (2' 10")
H Track gauge Extended / Retracted	3 450 (11' 4") / 2 830 (9' 3")
I Track shoe width	650 (26")
J Undercarriage width Extended / Retracted	4 100 (13' 5") / 3 480 (11' 5")
K Overall width	4 310 (14' 2")
L Overall length	14 160 (46' 6")
**M Overall height of boom	4 570 (15' 0")
N Track height	1 470 (4' 10")

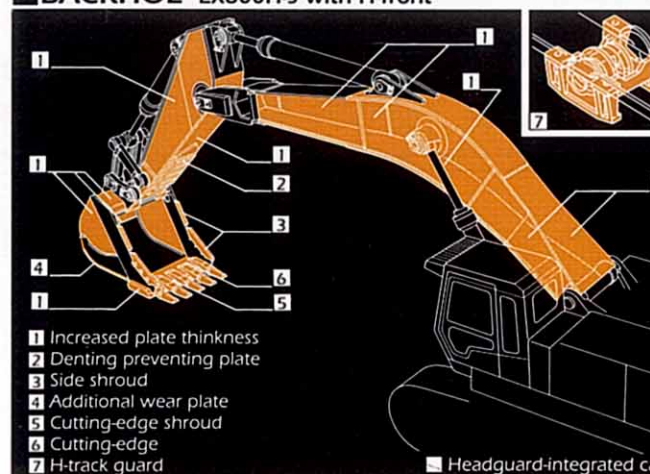
* Excluding track shoe lug ** Including hydraulic hose
EX700H can be use 650 mm (26") track shoe only.

WORKING RANGES

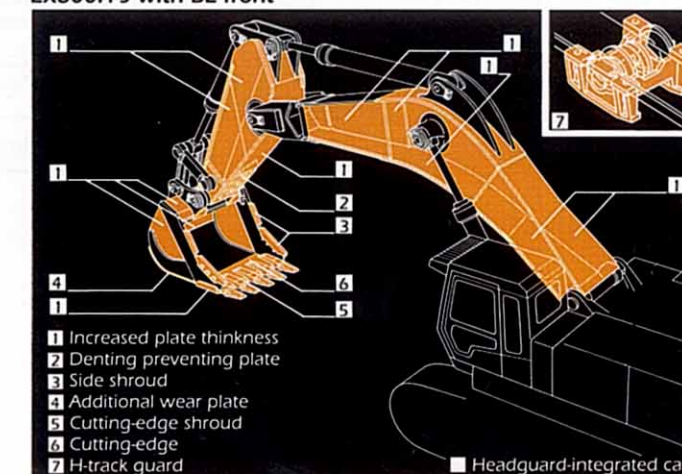


	EX800H-5 (With Headguard-Integrated cab)
Boom length	8.25 m (27' 1") H-boom
Arm length	3.60 m (11' 10") H-arm
A Max. digging reach	13 990 (45' 11")
A' Max. digging reach (on ground)	13 710 (45' 0")
B Max. digging depth	8 900 (29' 2")
B' Max. digging depth (8' level)	8 750 (28' 9")
C Max. cutting height	12 500 (41' 0")
D Max. dumping height	8 520 (27' 11")
E Min. swing radius	6 360 (20' 10")
F Max. vertical wall depth	6 330 (20' 9")
Bucket digging force	ISO 332 kN (74 800 lbf)
SAE, PCSA	289 kN (65 100 lbf)
Arm crowd force	ISO 266 kN (59 800 lbf)
SAE, PCSA	257 kN (57 800 lbf)

BACKHOE EX800H-5 with H-front



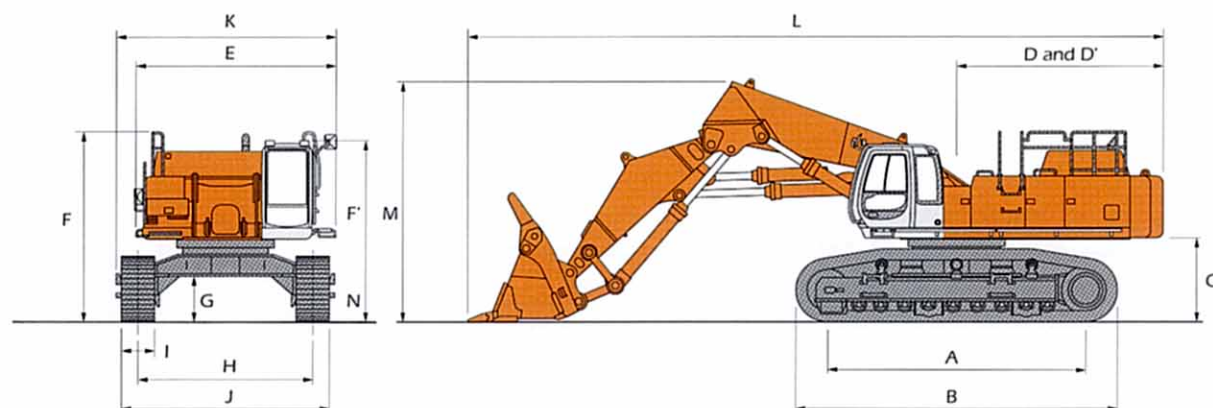
EX800H-5 with BE-front



SPECIFICATIONS

DIMENSIONS

LOADING SHOVEL EX750-5/EX800H-5

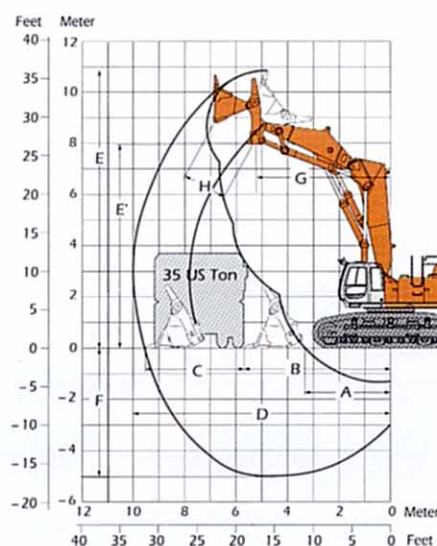


EX750-5/EX800H-5 (with Headguard-Integrated cab)

A	Distance between tumbler	5 110 mm (16' 9")
B	Undercarriage length	6 350 mm (20' 10")
*C	Counterweight clearance	1 580 mm (5' 2")
D	Rear-end swing radius	4 160 mm (13' 8")
D'	Rear-end length	4 070 mm (13' 4")
E	Overall width of upperstructure	3 920 mm (12' 10")
F	Overall height	3 760 mm (12' 4")
F'	Overall height of cab	3 530 mm (11' 7")
*G	Min. ground clearance	870 mm (2' 10")
H	Track gauge Extended/Retracted	3 450 mm (11' 4") / 2 830 mm (9' 3")
I	Track shoe width	G650 mm (26")
J	Undercarriage width Extended/Retracted	4 100 mm (13' 5")/3 480 mm (11' 5")
K	Overall width	4 320 mm (14' 2")
L	Overall length	13 670 mm (44' 10")
**M	Overall height of boom	4 900 mm (16' 1")
N	Track height	1 470 mm (4' 10")

Notes * Excluding track shoe lug ** Including hydraulic hose

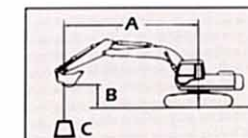
WORKING RANGES



Type of bucket	Bottom dump type	Tilt dump type
A Min. digging distance	3 350 mm (11' 0")	3 160 mm (10' 4")
B Min. level crowding distance	5 780 mm (19' 0")	5 780 mm (19' 0")
C Level crowding distance	3 820 mm (12' 6")	3 820 mm (12' 6")
D Max. digging reach	10 000 mm (32' 1")	10 000 mm (32' 10")
E Max. cutting height	10 850 mm (35' 7")	10 850 mm (35' 7")
E' Max. dumping height	7 900 mm (25' 11")	4 960 mm (16' 3")
F Max. digging depth	5 060 mm (16' 7")	5 060 mm (16' 7")
G Working radius at max. dumping height	5 350 mm (17' 7")	6 090 mm (20' 0")
H Max. bucket opening width	1 600 mm (5' 3")	-
Crowding force	441.3 kN (45 000 kgf, 99 200 lbf)	441.3 kN (45 000 kgf, 99 200 lbf)
Breakout force	431.5 kN (44 000 kgf, 97 000 lbf)	431.5 kN (44 000 kgf, 97 000 lbf)

LIFTING CAPACITIES

METRIC MEASURE



A: Load radius
B: Load point height
C: Lifting capacity

EX750-5

Rating over-side or 360 degree Rating over-front Unit : ton

Conditions	Load point height m	Load radius														At max. reach		
		4 m		6 m		8 m		10 m		12 m		14 m		15 m				@ m
																		
Boom 8.25 m Arm 3.60 m Bucket PCSA: 3.3 m ³ CECE: 2.9 m ³ Shoe 650 mm	10																	
	8							8.6*	8.6*							5.3*	5.3*	12.4
									9.3*	9.3*						6.2*	6.2*	12.4
	6							9.2*	9.2*							5.3*	5.3*	13.1
									9.9*	9.9*						6.3*	6.3*	13.1
	4					12.8*	12.8*	10.4*	10.4*	7.8	9.3*					5.6*	5.6*	13.4
						13.7*	13.7*	11.1*	11.2*	7.8	10.0*					6.3	6.5*	13.4
	2					15.0	15.4*	10.5	11.7*	7.6	9.9*					6.1*	6.1*	13.3
						15.0	16.5*	10.5	12.6*	7.6	10.6*					6.2	7.1*	13.3
	0 (Ground)					14.3	17.1*	10.0	12.8*	7.3	10.4*					6.5	6.9*	12.9
-2					14.3	18.3*	10.0	13.8*	7.3	11.2*					6.5	8.0*	12.9	
			22.3	24.9*	14.0	17.7*	9.8	13.3*							7.3	8.2*	12.0	
-4			22.3	26.6*	14.0	19.0*	9.8	14.3*							7.3	9.4*	12.0	
	26.0*	26.0*	22.6	23.3*	14.0	17.1*	9.8	12.8*							9.2	10.2*	10.7	
-6	27.4*	27.4*	22.6	24.9*	14.0	18.3*	9.8	13.8*							9.2	11.0*	10.7	
	26.6*	26.6*	20.0*	20.0*	14.5	14.8*												
	28.4*	28.4*	21.4*	21.4*	14.5	15.9*												

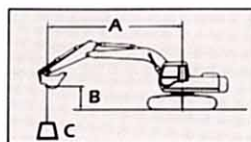
Boom 8.25 m Arm 4.40 m Bucket PCSA: 2.8 m ³ CECE: 2.4 m ³ Shoe 650 mm	10															
	8															
	6															
	4															
	2															
	0 (Ground)															
	-2															
	-4															
	-6															
	-8															

Equipped with heavy lifting system (option)

Notes: 1. Ratings are based on SAE J1107.
2. Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load points is a hook (not standard equipment) loaded on the back of the bucket.
4. * Indicates load limited by hydraulic capacity.

LIFTING CAPACITIES

METRIC MEASURE



A: Load radius
B: Load point height
C: Lifting capacity

EX750-5



Rating over-side or 360 degree



Rating over-front

Unit : ton

Conditions	Load point height m	Load radius														At max. reach		
		4 m		6 m		8 m		10 m		12 m		14 m		15 m		At max. reach		
																		@ m
Boom 8.25 m Arm 5.40 m Bucket PCSA: 2.0 m ³ CECE: 1.8 m ³ Shoe 650 mm	10															2.8*	2.8*	13.4
	8									6.0*	6.0*					3.7*	3.7*	13.4
	6									7.5	7.5*					3.6*	3.6*	14.3
	4									6.7*	6.7*					2.6*	2.6*	14.9
	2									8.0	8.0*					3.6*	3.6*	14.9
	0 (Ground)									8.2*	8.2*	7.4*	7.4*	3.6*	3.6*	2.7*	2.7*	15.1
	-2									9.6*	9.6*	8.6	8.7*	4.8*	4.8*	3.7*	3.7*	15.1
	-4									18.1*	18.1*	12.4*	12.4*	9.7	9.7*	3.0*	3.0*	15.1
	-6									20.7*	20.7*	14.3*	14.3*	11.3	11.3*	3.9*	3.9*	15.1
	-8									21.9*	21.9*	14.7*	14.7*	10.6	11.1*	3.3*	3.3*	14.7
	-10									23.3	25.1*	15.0	17.0*	10.6	12.9*	4.4*	4.4*	14.7
	-12									9.1*	9.1*	22.5	23.5*	14.4	16.2*	3.9*	3.9*	14.0

Boom 7.10 m BE-boom Arm 2.95 m BE-arm Bucket PCSA: 4.1 m ³ CECE: 3.6 m ³ Shoe 650 mm	8					10.3*	10.3*									6.4*	6.4*	10.7
	6					11.1*	11.1*									7.5*	7.5*	10.7
	4					10.9*	10.9*									6.3*	6.3*	11.5
	2					11.8*	11.8*									7.4*	7.4*	11.5
	0 (Ground)					12.9*	12.9*	10.2	10.9*							6.5*	6.5*	11.8
	-2					13.8*	13.8*	10.2	11.8*							7.2	7.7*	11.8
	-4					14.5	15.1*	9.7	11.8*							7.1*	7.1*	11.7
	-6					14.5	16.2*	9.7	12.8*							7.1	8.3*	11.7
	-8					13.7	16.6*	9.3	12.5*							7.6	8.1*	11.2
	-10					13.7	17.9*	9.3	13.5*							7.6	9.4*	11.2
	-12					21.9	23.8*	13.4	16.8*	9.3	12.1*					9.2	9.9*	10.1
	-14					21.9	25.5*	13.4	18.0*	9.3	13.1*					9.2	11.4*	10.1

EX800H-5

Conditions	Load point height m	Load radius														At max. reach		
		4 m		6 m		8 m		10 m		12 m		14 m		15 m		At max. reach		
																		@ m
Boom 8.25 m Arm 3.60 m Bucket PCSA: 3.3 m ³ CECE: 2.9 m ³ Shoe 650 mm	10																	
	8																	
	6																	
	4																	
	2																	
	0 (Ground)																	
	-2																	
	-4																	
	-6																	
	-8																	
	-10																	
	-12																	

Boom 7.10 m BE-boom Arm 3.60 m BE-arm Bucket PCSA: 3.3 m ³ CECE: 2.9 m ³ Shoe 650 mm	10																	
	8																	
	6																	
	4																	
	2																	
	0 (Ground)																	
	-2																	
	-4																	
	-6																	
	-8																	
	-10																	
	-12																	

Boom 7.10 m BE-boom Arm 2.95 m BE-arm Bucket PCSA: 4.1 m ³ CECE: 3.6 m ³ Shoe 650 mm	8					10.1*	10.1*									6.1*	6.1*	10.8
	6					10.8*	10.8*									7.2*	7.2*	10.8
	4					10.7*	10.7*									6.0*	6.0*	11.5
	2					11.5*	11.5*									7.1*	7.1*	11.5
	0 (Ground)					12.6*	12.6*	10.1	10.6*							6.2*	6.2*	11.8
	-2					13.6*	13.6*	10.1	11.5*							7.0	7.4*	11.8
	-4					14.3	14.9*	9.6	11.6*							6.8*	6.8*	11.7
	-6					14.3	16.0*	9.6	12.5*							6.9	8.0*	11.7
	-8					13.6	16.4*	9.2	12.3*							7.4	7.8*	11.2
	-10					13.6	17.6*	9.2	13.3*							7.4	9.1*	11.2
	-12					21.8	23.6*	13.3	16.6*	9.1	11.9*					9.0	9.6*	10.2
	-14					21.8	25.3*	13.3	17.8*	9.1	12.8*					9.0	11.1*	10.2

Equipped with heavy lifting system (option)

Notes: 1. Ratings are based on SAE J1097.

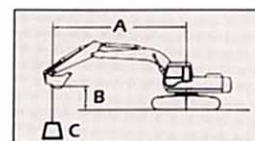
2. Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load points is a hook (not standard equipment) loaded on the back of the bucket.

4. * Indicates load limited by hydraulic capacity.

LIFTING CAPACITIES

ENGLISH MEASURE



A: Load radius
B: Load point height
C: Lifting capacity

EX750-5



Rating over-side or 360 degree



Rating over-front

Unit : 1 000 lb

Conditions	Load point height ft	Load radius										At max. reach		
		15 ft	20 ft	25 ft	30 ft	35 ft	40 ft	45 ft	50 ft					
														@ft in
Boom 27' 1" Arm 11' 10" Bucket PCSA: 4.32yd ³ Shoe 26"	30											11.8*	11.8*	39.0
												13.8*	13.8*	39.0
	25											11.6*	11.6*	41.6
												13.7*	13.7*	41.6
	20											11.8*	11.8*	43.0
												13.8*	13.8*	43.0
	15											12.2*	12.2*	43.9
												14.1*	14.3*	43.9
	10											12.8*	12.8*	44.0
												13.7*	15.0*	44.0
	5											13.7*	13.8*	43.5
												13.7*	16.1*	43.5
Boom 27' 1" Arm 14' 5" Bucket PCSA: 3.66 yd ³ Shoe 26"	0 (Ground)											14.3*	15.2*	42.3
												14.3*	17.6*	42.3
	-5											15.6*	17.2*	40.4
												15.6*	19.9*	40.4
	-10											17.9*	20.3*	37.5
												17.9*	23.3*	37.5
	-15											22.2*	22.4*	33.4
												22.2*	23.9*	33.4
	-20													
	30											14.2*	14.2*	42.3
												16.7*	16.7*	42.3

Boom 27' 1" Arm 14' 5" Bucket PCSA: 3.66 yd ³ Shoe 26"	25											15.3*	15.3*	44.5
												16.7*	16.7*	44.5
	20											16.2*	16.2*	46.0
												17.7*	17.7*	46.0
	15											19.9*	19.9*	46.8
												21.5*	21.5*	46.8
	10											19.9*	19.9*	46.9
												21.5*	21.5*	46.9
	5											19.9*	19.9*	46.5
												21.5*	21.5*	46.5
	0 (Ground)											19.9*	19.9*	45.4
												21.5*	21.5*	45.4
Boom 27' 1" Arm 14' 5" Bucket PCSA: 3.66 yd ³ Shoe 26"	-5											10.1*	10.1*	43.6
												12.1*	12.1*	43.6
	-10											12.0*	12.0*	40.9
												14.0*	14.2*	40.9
	-15											14.9*	14.9*	37.3
												17.0*	17.4*	37.3
	-20											18.2*	18.2*	32.2
												19.8*	19.8*	32.2
	-25													
	-30													

EX750-5

Conditions	Load point height ft	Load radius										At max. reach		
		15 ft	20 ft	25 ft	30 ft	35 ft	40 ft	45 ft	50 ft					
														@ft in
Boom 27' 1" Arm 17' 9" Bucket PCSA: 2.62yd ³ Shoe 26"	30											8.6*	8.6*	45.3
												11.1*	11.1*	45.3
	25											13.3*	13.3*	47.3
												16.6*	16.6*	47.3
	20											15.0*	15.0*	48.7
												17.6*	17.6*	48.7
	15											16.6*	16.6*	49.5
												19.5*	19.5*	49.5
	10											18.7*	18.7*	49.6
												21.9*	21.9*	49.6
	5											17.3*	18.5*	49.2
												20.8*	20.8*	49.2
Boom 27' 1" Arm 17' 9" Bucket PCSA: 2.62yd ³ Shoe 26"	0 (Ground)											16.7*	16.7*	48.2
												19.8*	19.8*	48.2
	-5											13.4*	13.4*	46.6
												16.7*	16.7*	46.6
	-10											10.7*	10.7*	44.2
												12.2*	12.2*	44.2
	-15											11.5*	11.5*	41.0
												14.5*	14.5*	41.0
	-20											14.8*	14.8*	36.6
												18.3*	18.3*	36.6
	-25													

Boom 23' 4" BE-boom Arm 9' 8" BE-arm Bucket PCSA: 5.36yd ³ Shoe 26"	30													14.6*	14.6*	33.0
														17.1*	17.1*	33.0
	25													14.0*	14.0*	35.9
														16.5*	16.5*	35.9
	20													13.9*	13.9*	37.7
														16.4*	16.4*	37.7
	15													14.2*	14.2*	38.7
														16.2*	16.2*	38.7
	10													14.9*	14.9*	38.8
														15.6*	15.6*	38.8
	5													15.8*	16.1*	38.2
														15.8*	18.8*	38.2
Boom 23' 4" BE-boom Arm 9' 8" BE-arm Bucket PCSA: 5.36yd ³ Shoe 26"	0 (Ground)													16.9*	17.9*	36.7
														16.9*	20.8*	36.7
	-5													19.3*	20.7*	34.3
														19.3*	23.9*	34.3
	-10															
	-15															
	-20															
	-25															

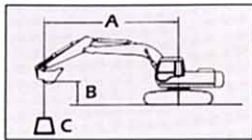
Equipped with heavy lifting system (option)

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load points is a hook (not standard equipment) loaded on the back of the bucket.
4. * Indicates load limited by hydraulic capacity.

LIFTING CAPACITIES

ENGLISH MEASURE



A: Load radius
B: Load point height
C: Lifting capacity

EX800H-5 Rating over-side or 360 degree Rating over-front Unit : 1 000 lb

Conditions	Load point height ft	Load radius																At max. reach		
		15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft				
																				@ft in
Boom 27' 1" Arm 11' 10" Bucket PCSA: 4.32yd ³ Shoe 26"	30																			10.4* 10.4* 39.5
																				12.4* 12.4* 39.5
	25									17.7*	17.7*									10.3* 10.3* 41.9
										19.2*	19.2*									12.3* 12.3* 41.9
	20							19.3*	19.3*	18.1*	18.1*									10.4* 10.4* 43.4
								20.9*	20.9*	19.7*	19.7*									12.4* 12.4* 43.4
	15			34.7*	34.7*	26.2*	26.2*	21.9*	21.9*	19.5*	19.5*									10.8* 10.8* 44.2
				37.2*	37.2*	28.3*	28.3*	23.7*	23.7*	20.8*	21.2*									12.7* 12.8* 44.2
	10					31.3*	31.3*	24.9*	24.9*	20.0*	21.2*	15.2	19.2*							11.4* 11.4* 44.4
						33.7*	33.7*	26.5	26.9*	20.0	23.0*	15.2	20.9*							12.2* 13.6* 44.4
	5					33.8	35.7*	25.1	27.7*	19.2	23.0*	14.8	20.1*							12.3* 12.4* 43.8
						33.8	38.4*	25.1	29.9*	19.2	24.9*	14.8	21.8*							12.3* 14.7* 43.8
	0 (Ground)					32.5	38.5*	24.2	29.9*	18.5	24.4*	14.4	20.8*							12.9* 13.8* 42.6
						32.5	41.3*	24.2	32.2*	18.5	24.4*	14.4	22.6*							12.9* 16.2* 42.6
	-5			46.3	52.3*	31.9	39.6*	23.6	31.0*	18.1	25.2*									14.2* 15.8* 40.5

Boom 27' 1" Arm 11' 10" Bucket PCSA: 4.32yd ³ Shoe 26"	30																			8.7* 8.7* 35.0
																				10.6* 10.6* 35.0
	25							18.4*	18.4*											8.5* 8.5* 37.7
								21.4*	21.4*											10.3* 10.3* 37.7
	20							21.8*	21.8*											8.6* 8.6* 39.4
								23.5*	23.5*											10.4* 10.4* 39.4
	15					26.7*	26.7*	23.7*	23.7*	17.5*	17.5*									9.0* 9.0* 40.3
						28.7*	28.7*	25.6*	25.6*	20.4*	20.4*									10.8* 10.8* 40.3
	10			41.3*	41.3*	31.6*	31.6*	26.4*	26.4*	20.6	23.5*									9.6* 9.6* 40.4
				44.2*	44.2*	33.9*	33.9*	27.7	28.5*	20.6	25.4*									11.6* 11.6* 40.4
	5			49.2*	49.2*	36.0	36.2*	26.4	29.2*	19.9	25.0*									10.7* 10.7* 39.8
				51.5	52.5*	36.0	38.8*	26.4	31.4*	19.9	26.9*									12.8* 12.8* 39.8
	0 (Ground)			49.4	53.5*	34.5	39.5*	25.5	31.3*	19.4	26.0*									12.3* 12.3* 38.4
				49.4	57.2*	34.5	42.4*	25.5	33.7*	19.4	28.1*									14.5* 14.5* 38.4
	-5			55.3*	55.3*	48.6	54.5*	33.6	41.0*	24.9	32.3*	19.0*	19.0*							14.7* 14.7* 36.1

EX800H-5

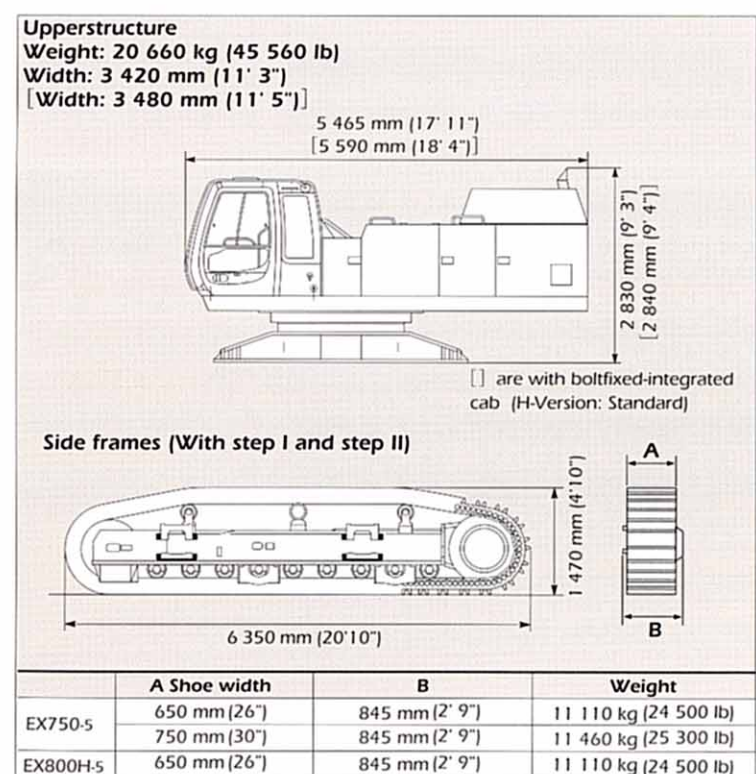
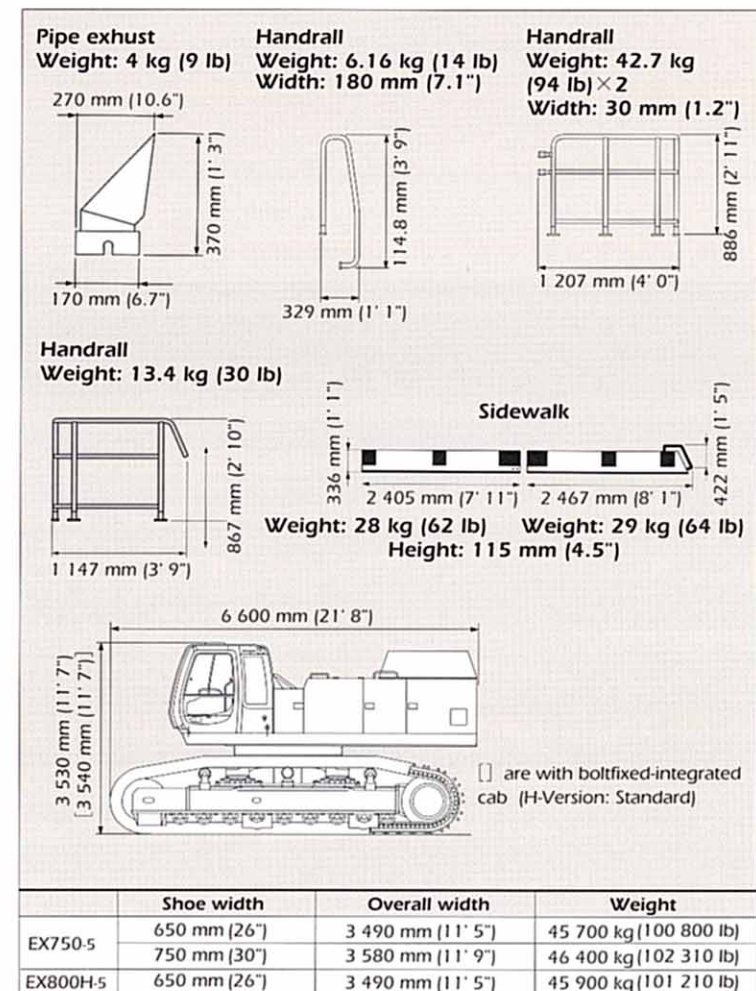
Conditions	Load point height ft	Load radius																At max. reach		
		15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		45 ft		50 ft				
																				@ft in
Boom 23' 4" BE-boom Arm 9' 8" BE-arm Bucket PCSA: 5.36yd ³ Shoe 26"	30																			13.9* 13.9* 33.1
																				16.4* 16.4* 33.1
	25							21.2*	21.2*											13.4* 13.4* 36.0
								24.0*	24.0*											15.8* 15.8* 36.0
	20					23.9*	23.9*	22.5*	22.5*											13.3* 13.3* 37.9
						25.8*	25.8*	24.3*	24.3*											15.7* 15.7* 37.9
	15			34.5*	34.5*	27.6*	27.6*	24.1*	24.1*											13.6* 13.6* 38.8
				37.0*	37.0*	29.7*	29.7*	26.0*	26.0*											15.7* 16.0* 38.8
	10					32.1*	32.1*	25.9	26.4*	19.0	23.5*									14.3* 14.3* 39.0
						34.5*	34.5*	25.9	28.5*	19.0	25.4*									15.2* 16.8* 39.0
	5					33.8	36.1*	24.7	28.7*	18.5	24.4*									15.4* 15.4* 38.3
						33.8	38.8*	24.7	31.0*	18.5	26.4*									15.4* 18.1* 38.3
	0 (Ground)					32.5	38.7*	23.9	30.4*	18.1	23.7*									16.4* 17.2* 36.9
						32.5	41.6*	23.9	32.8*	18.1	26.9*									16.4* 20.1* 36.9
	-5			46.8	51.9*	32.0	39.2*	23.5	30.7*											18.8* 20.0* 34.4

Equipped with heavy lifting system (option) Notes: 1. Ratings are based on SAE J1097. 2. Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity. 3. The load points is a hook (not standard equipment) loaded on the back of the bucket. 4. * Indicates load limited by hydraulic capacity.

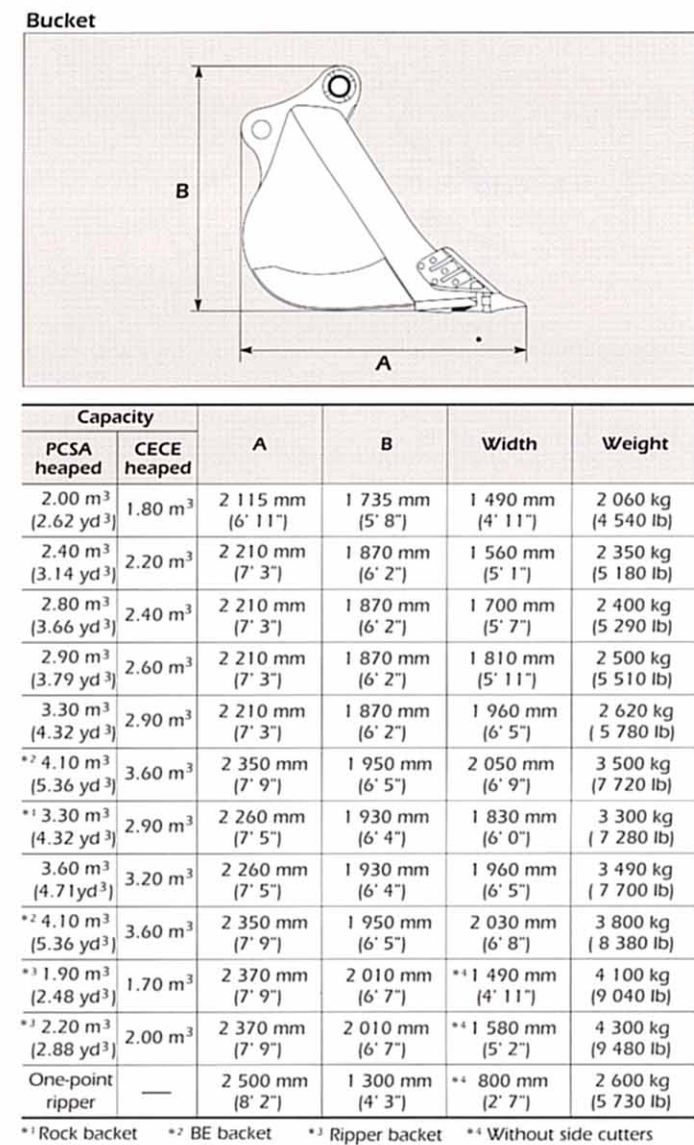
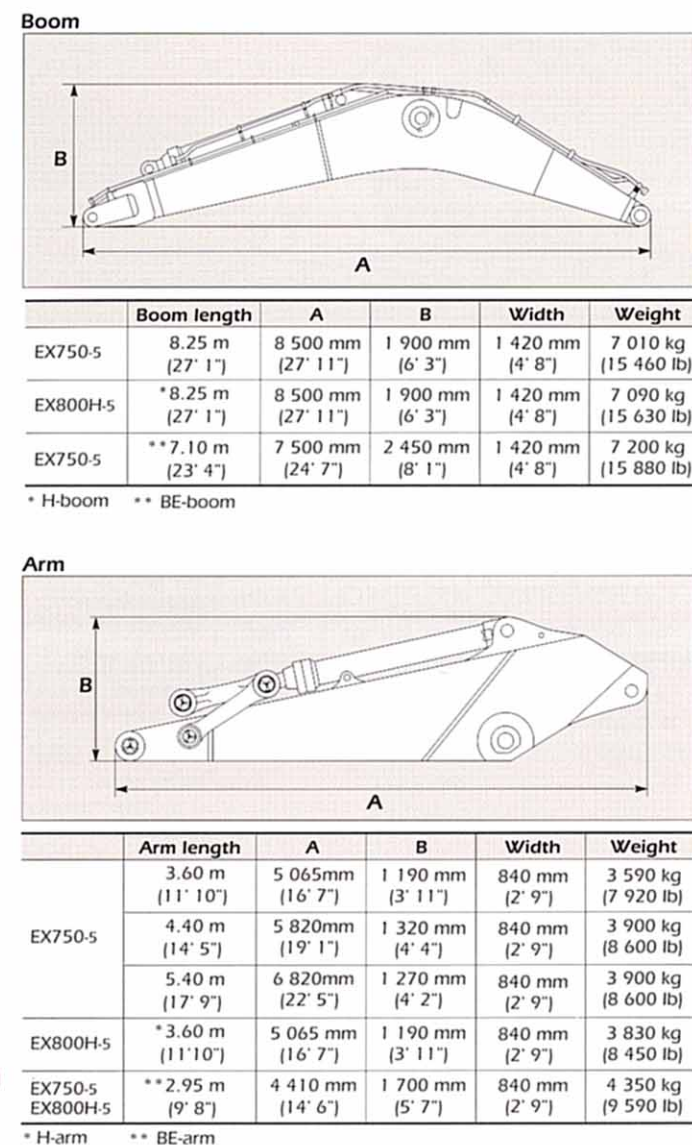
TRANSPORTATION

- Easily assembled owing to local assembling system requiring no welding.
- Overall width of below 3 490 mm (11' 5") during transportation.

UPPERSTRUCTURE/UNDERCARRIAGE



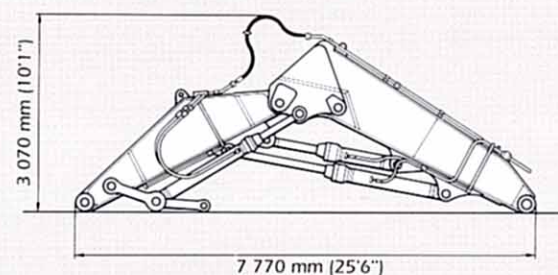
BACKHOE ATTACHMENT



LOADING SHOVEL ATTACHMENTS

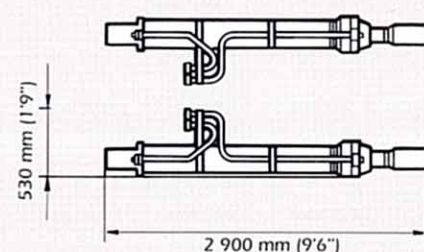
Boom & arm assembly

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

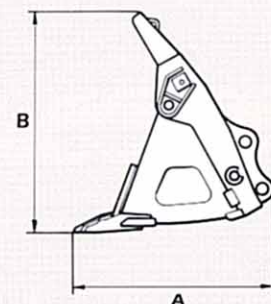


Boom cylinders

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



Bucket

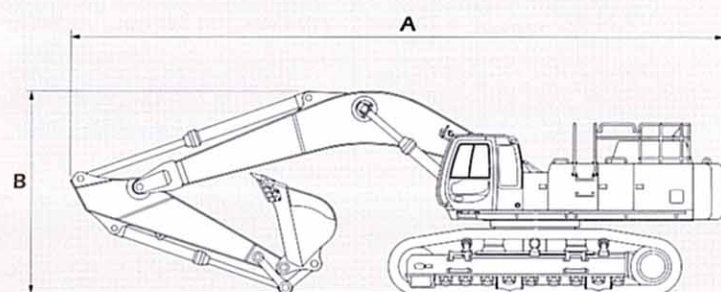


Bucket capacity	A mm (ft in)	B mm (ft in)	Max. width mm (ft in)	Weight kg (lb)	Type
3.6 m ³ (4.70 yd ³)	2 280 (7'6")	2 570 (8'5")	2 300 (7'7")	6 080 (13 410)	Bottom dump type rock bucket
4.0 m ³ (5.23 yd ³)	2 300 (7'7")	2 570 (8'5")	2 460 (8'1")	5 620 (12 390)	Bottom dump type general purpose bucket
4.0 m ³ (5.23 yd ³)	2 290 (7'6")	2 560 (8'5")	2 360 (7'9")	4 980 (10 980)	Tilt dump type rock bucket
4.4 m ³ (5.75 yd ³)	2 290 (7'6")	2 560 (8'5")	2 520 (8'3")	4 630 (10 210)	Tilt dump type general purpose bucket

OVERALL

Backhoe

Basic machine with 2.9 m³ (3.79 yd³; PCSA heaped)
BE-type with BE-front attachments

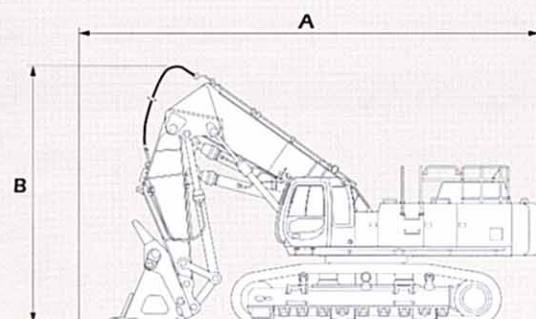


	A	B	Width
EX750 ⁵	14 160 mm (46'6")	*1 4 570 mm (15'0")	3 480 mm (11'5")
EX800H ⁵	14 160 mm (46'6")	*1 4 570 mm (15'0")	3 480 mm (11'5")
EX750 ³	13 180 mm (43'3")	*2 5 040 mm (16'6")	3 480 mm (11'5")
EX800H ⁴	13 000 mm (42'8")	*2 4 830 mm (15'10")	3 480 mm (11'5")

Notes: *1 Max. height with pipe.
*2 Max. height with hose.
*3 With BE-front.
*4 With BE-boom and H-arm.

Loading Shovel

Basic machine with 4.0 m³



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

STANDARD EQUIPMENT

Standard equipment may vary by country, so please consult your Hitachi dealer for details

ENGINE

- 75 A Alternator
- Dry-type air filter with evacuator valve
- Cartridge-type engine oil filter
- Cartridge-type engine oil bypass filter
- Cartridge type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system
- Quick-idle system

HYDRAULIC SYSTEM

- ETS
- E-P control system (power mode selector)
- OHS
- FPS
- Boom-swing priority system
- Power saving system
- Hydraulic warm-up control system for hydraulic oil
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Swing cushion valve in swing circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

CAB

All-weather sound-suppressed steel cab equipped with reinforced, tinted (bronze color) glass windows. 6 fluid-filled elastic mounts, openable front window-upper, and lower and left side windows with intermittent windshield retractable wipers, front windshield washer, adjustable reclining seat with adjustable arm-rests, footrest, electric horn, auto-tuning radio with digital clock, auto-idle switch, seat belt, cigarette lighter, ashtray, parcel pocket, glove compartment, floor mat, heater, and pilot control shut-off lever. Fresh air introduction type air conditioner.

MONITOR SYSTEM

- Meters: Hourmeter, engine coolant temperature gauge and fuel meter.
- Warning lamps: Alternator charge, engine oil pressure, engine overheat, air cleaner clog and minimum fuel level.
- Pilot lamps: Warm up complete indicator, engine oil level, engine coolant level and hydraulic oil level, Quick idle.
- Alarm buzzers: Engine oil pressure and engine overheat.

LIGHTS

- 5 working lights and 1 cab light

UPPERSTRUCTURE

- Undercover
- 12 500 kg (27 560 lb) counter weight
- Fuel lever gauge
- Hydraulic oil lever gauge
- Tool box
- Utility space
- Rearview mirror
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Trabel motor cover
- Track guards and hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 650 mm (26") double grouser shoes

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Centralized lubrication system
- Dirt seals on all bucket pins
- 8.25 m (27' 1") boom
- 3.60 m (11' 10") arm
- 3.30 m (4' 32") PCSA heaped bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Fuel filling cap
- Skid-resistant tapes, left service walkway and handrails

EX800H-5 (Heavy-duty version)

- Headguard-integrated cab (pressurized type)
- H-boom 8.25 m (17' 1") for backhoe
- H-arm 3.60 m (11' 10") for backhoe
- H-track guard
- Reinforced undercover
- Reinforced steps on the side frames

OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your Hitachi dealer for details

- 750 mm (30") double grouser shoes
- 900 mm (35") double grouser shoes
- Full-length track guard
- Air conditioner (pressurized cab)
- Pneumatic grease gun with hose reel
- Hose rupture valve
- Swing alarm with lamps
- Travel alarm with cancel switch

- Electric fuel refilling pump
- Heavy lifting system
- Auto lubricator
- Front window shutter-preventing film (except Headguard-integrated cab)
- Headguard-integrated cab (with pressurized kit)

- H-track guard
- Reinforced undercover for upperstructure
- Reinforced steps on the side frames

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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.