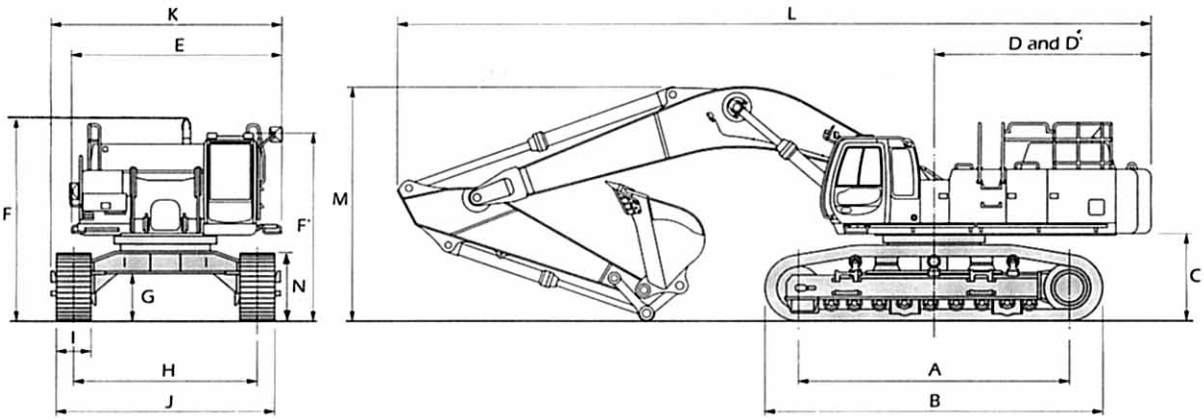
HITACHI

Super EX V

EX750
EX800H

- **Rated Engine HP (gross)..... 333 kW (446 PS)**
- **Operating Weight..... 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..... PCSA Heaped: 2.0 – 4.1 m^3 (2.62 – 5.36 yd^3)**
  - **CECE Heaped: 1.8 – 3.6 m^3**
- **Loading Shovel Bucket..... PCSA Heaped: 3.6 – 4.4 m^3 (4.71 – 5.75 yd^3)**

Specifications



		EX750-5			EX750-5 BE-front		
A	Distance between tumblers	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 of muffler	3 830 mm (12' 7")			3 830 mm (12' 7")		
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")	4 350 mm (14' 3")/ 3 730 mm (12' 3")	4 100 mm (13' 5")/ 3 480 mm (11' 5")	4 200 mm (13' 9")/ 3 580 mm (11' 9")	4 350 mm (14' 3")/ 3 730 mm (12' 3")
K	Overall width	4 310 mm (14' 2")	4 310 mm (14' 2")	4 350 mm (14' 3")	4 310 mm (14' 2")	4 310 mm (14' 2")	4 350 mm (14' 3")
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

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 1 800 min^{-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
Governer ..... Mechanical, speed control by steppinng 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

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

Dimentions
Backhoe : Equipped with 8.25 m (27' 1") boom, 3.60 m (11' 10") arm, and 3.3 m^3 (4.32 yd^3) : PCSA heaped

	Q'ty	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")

Loading Shovel

	Q'ty	Bore	Rode diameter
Boom	2	200 mm (7.87")	140 mm (5.51")
Arm	1	200 mm (7.87")	140 mm (5.51")
Bucket	2	180 mm (7.09")	130 mm (5.12")
Dump	2	130 mm (5.12")	80 mm (3.15")
Level	1	200 mm (7.87")	140 mm (5.51")

Hydraulic Filters
All hydraulic circuits use hydraulic filters. A suction filter is built in suction line, and 10 μm 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
Bucket open/close pedals (Loading shovel) 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 and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type. Swing cushon valve built in swing motor absorbs shocks when stopping swings.
Swing speed ..... 8.6 min^{-1} (rpm)

Operator's Cab
Independent, roomy cab, 1 005 mm (40") wide by 1 665 mm (66") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for excellent visibility. Front windows (upper and lower) are openable 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 for 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 grouser made of induction-hardened rolled alloy. 750 mm(30") and 900 mm(35") wide double grouser shoes also available 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, 110 300 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 m^3 (4.32 yd^3): 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 kg/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 BE-front: Equipped with 7.10 m (23'4") BE-boom, 2.95 m (9'8") BE-arm, and 4.1 m^3 (5.36 yd^3): 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 m^3 (4.32 yd^3): 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 m^3 (4.71 yd^3): 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)

EX800H-5 BE-front: Equipped with 7.10 m (23'4") BE-boom, 2.95 m (9'8") BE-arm, and 4.1 m^3 (5.36 yd^3): PCSA heaped rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	75 800 kg (167 000 lb)	103 kPa (1.05 kgf/cm^2, 14.9 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 m^3 (5.23 yd^3) 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 m^3 (4.71 yd^3) bottom dump rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Double grouser	650 mm (26")	77 700 kg (171 300 lb)	106 kPa (1.08 kgf/cm^2, 15.4 psi)

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

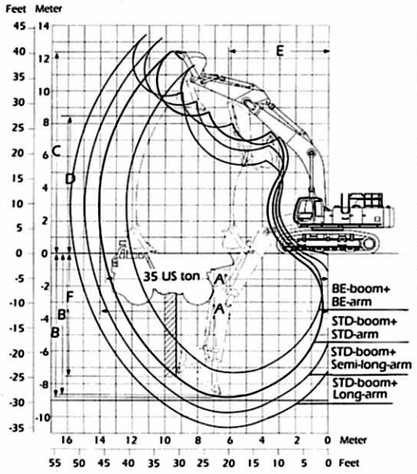
BACKHOE ATTACHMENT

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 BE-front	7.10 m (23'4") BE-boom	2.95 m (9'8") BE-arm
EX750-5	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
EX800H-5	7.10 m (23'4") BE-boom	3.60 m (11'10") H-arm
EX800H-5 BE-front	7.10 m (23'4") BE-boom	2.95 m (9'8") BE-arm

WORKING RANGES



Unit: mm (ft in)

		EX750-5 BE-front/EX750-5			
Boom length		7.10 m (23' 4") BE-boom	8.25 m (27' 1")		
Arm length		2.95 m (9' 8") BE-arm	3.60 m (11' 0")	4.40 m (14' 5")	5.40 m (17' 9")
A	Max. digging reach	12 410 (40' 9")	13 990 (45' 11")	14 870 (48' 9")	15 700 (51' 6")
A'	Max. digging reach (on ground)	12 100 (39' 8")	13 710 (45' 0")	14 620 (48' 0")	15 460 (50' 9")
B	Max. digging depth	7 260 (23' 10")	8 900 (29' 2")	9 680 (31' 9")	10 560 (34' 8")
B'	Max. digging depth (8' level)	7 110 (23' 4")	8 750 (28' 9")	9 570 (31' 5")	10 460 (34' 4")
C	Max. cutting height	11 650 (38' 3")	12 500 (41' 0")	13 300 (43' 8")	13 500 (44' 4")
D	Max. dumping height	7 790 (25' 7")	8 520 (27' 11")	9 200 (30' 2")	9 760 (32' 0")
E	Min. swing radius	5 520 (18' 1")	6 360 (20' 10")	6 240 (20' 6")	6 730 (22' 1")
F	Max. vertical wall depth	4 370 (14' 4")	7 610 (25' 0")	8 760 (28' 9")	9 310 (30' 7")
Bucket digging force	ISO	422 kN (43 100 kgf) (95 000 lbf)	332 kN (33 900 kgf) (74 800 lbf)	332 kN (33 900 kgf) (74 800 lbf)	260 kN (26 500 kgf) (58 400 lbf)
	SAE, PCSA	365 kN (37 200 kgf) (82 000 lbf)	289 kN (29 500 kgf) (65 100 lbf)	289 kN (29 500 kgf) (65 100 lbf)	225 kN (23 000 kgf) (50 700 lbf)
Arm crowd force	ISO	315 kN (32 100 kgf) (70 900 lbf)	266 kN (27 100 kgf) (59 800 lbf)	225 kN (23 000 kgf) (50 700 lbf)	190 kN (19 400 kgf) (42 800 lbf)
	SAE, PCSA	301 kN (30 700 kgf) (67 700 lbf)	255 kN (26 500 kgf) (57 300 lbf)	218 kN (22 200 kgf) (49 000 lbf)	185 kN (18 900 kgf) (41 700 lbf)

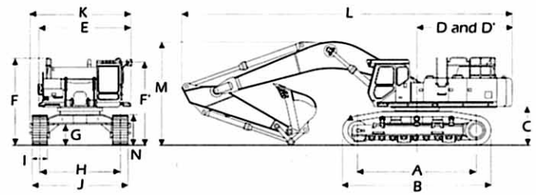
Backhoe Buckets

Capacity		Width		No. of teeth	Weight	Recommendation						
						EX750-5 BE-front/EX750-5				EX800H-5/EX800-5 BE-front		
PCSA heaped	CECE heaped	Without side cutters	With side cutters			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	7.10 m (23'4") BE-boom
						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	2.95 m (9'8") BE-arm
2.0 m³ (2.62 yd³)	1.8 m³	1 350 mm (4' 5")	1 490 mm (4' 11")	5	2 060 kg (4 540 lb)				○			
2.4 m³ (3.14 yd³)	2.2 m³	1 420 mm (4' 8")	1 560 mm (5' 1")	5	2 350 kg (5 180 lb)		○	○		○	○	
2.8 m³ (3.66 yd³)	2.4 m³	1 510 mm (4' 11")	1 700 mm (5' 7")	5	2 400 kg (5 290 lb)		○	○		○	○	
2.9 m³ (3.79 yd³)	2.6 m³	1 620 mm (5' 4")	1 810 mm (5' 11")	5	2 500 kg (5 510 lb)		○			○	○	
3.3 m³ (4.32 yd³)	2.9 m³	1 620 mm (5' 4")	1 810 mm (5' 11")	5	2 620 kg (5 780 lb)		○			○	○	
*3 4.1 m³ (5.36 yd³)	3.6 m³	—	2 050 mm (6' 9")	5	3 500 kg (7 720 lb)	○						
*1 3.3 m³ (4.32 yd³)	2.9 m³	—	1 830 mm (6' 0")	5	3 300 kg (7 280 lb)					●	●	
*2 3.6 m³ (4.71 yd³)	3.2 m³	—	1 960 mm (6' 5")	5	3 490 kg (7 700 lb)						●	
*3 4.1 m³ (5.36 yd³)	3.6 m³	—	2 030 mm (6' 8")	5	4 000 kg (8 820 lb)	●						●
*4 1.9 m³ (2.48 yd³)	1.7 m³		1 490 mm (4' 11")	3	4 100 kg (9 040 lb)					●	●	
*5 2.2 m³ (2.88 yd³)	2.0 m³		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 4.1 m³ (5.36 yd³), Rock and Ripper bucket equipped with Side shroud.

○ Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less
● Heavy-duty service

DIMENSIONS

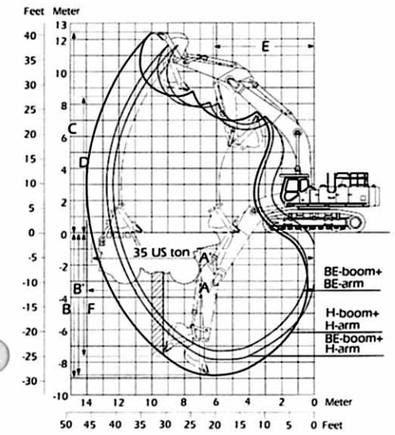


Unit: mm (ft in)

		EX800H-5/EX800H-5 BE-front (With Headguard-Integrated cab)
A	Distance between tumblers	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")/3 540 (11' 7")
*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")/13 180 (43' 3")
**M	Overall height of boom	4 570 (15' 0")/3 540 (11' 7")
N	Track height	1 470 (4' 10")

* Excluding track shoe lug ** Including hydraulic hose
EX800H-5 can be use 650 mm (26") track shoe only.

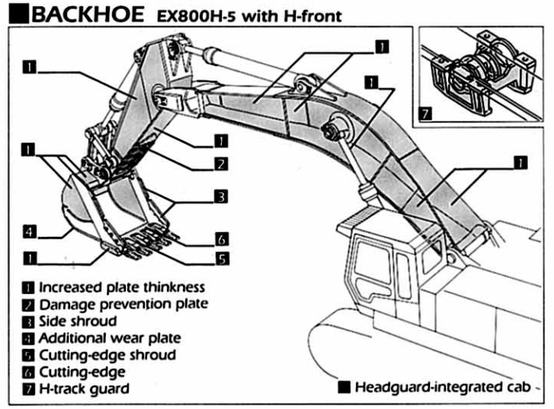
WORKING RANGES



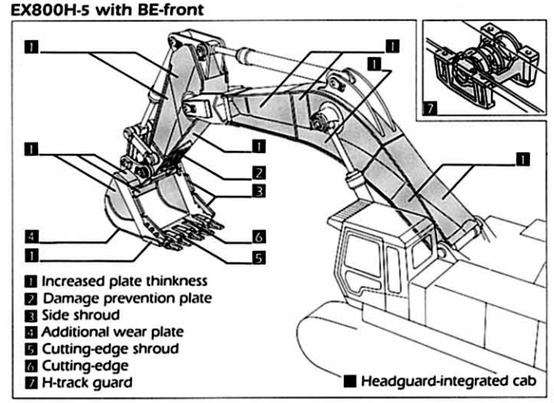
Unit: mm (ft in)

		EX800H-5/EX800H-5 BE-front (With Headguard-Integrated cab)		
Boom length		8.25 m (27' 1") H-boom	7.10 m (23' 4") BE-boom	7.10 m (23' 4") BE-boom
Arm length		3.60 m (11' 10") H-arm	3.60 m (11' 10") H-arm	2.95 m (9' 8") BE-arm
A	Max. digging reach	13 990 (45' 11")	12 800 (42' 0")	12410 (40' 9")
A'	Max. digging reach (on ground)	13 710 (45' 0")	12 490 (41' 0")	12 100 (39' 8")
B	Max. digging depth	8 900 (29' 2")	7 830 (25' 8")	7 260 (23' 10")
B'	Max. digging depth (8' level)	8 750 (28' 9")	7 680 (25' 2")	7 110 (23' 4")
C	Max. cutting height	12 500 (41' 0")	11 720 (38' 5")	11 650 (38' 3")
D	Max. dumping height	8 520 (27' 11")	7 820 (25' 8")	7 790 (25' 7")
E	Min. swing radius	6 360 (20' 10")	5 380 (17' 8")	5 520 (18' 0")
F	Max. vertical wall depth	6 330 (20' 9")	5 460 (17' 11")	4 370 (14' 4")
Bucket digging force	ISO	332 kN (33 900 kgf)(74 800lbf)	332 kN (33 900 kgf)(74 800lbf)	422 kN (43 100 kgf)(95 000lbf)
	SAE, PCSA	289 kN (29 500 kgf)(65 100lbf)	289 kN (29 500 kgf)(65 100lbf)	365 kN (37 200 kgf)(82 000lbf)
Arm crowd force	ISO	266 kN (27 100 kgf)(59 800lbf)	266 kN (27 100 kgf)(59 800lbf)	315 kN (32 100 kgf)(70 800lbf)
	SAE, PCSA	257 kN (26 200 kgf)(57 800lbf)	257 kN (26 200 kgf)(57 800lbf)	301 kN (30 700 kgf)(67 700lbf)

■BACKHOE EX800H-5 with H-front



EX800H-5 with BE-front



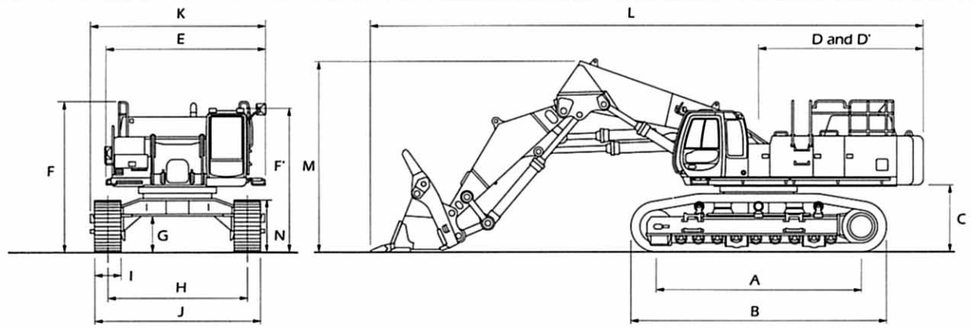
TECHNICAL DATA

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)

EX750-5/EX800H-5

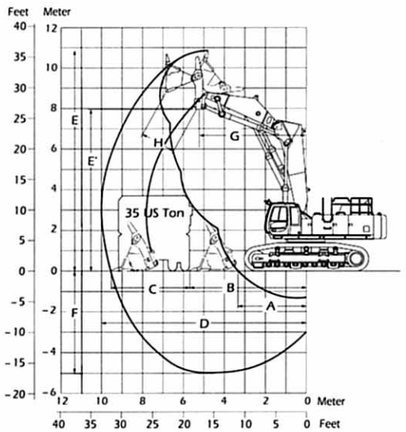
DIMENSIONS



		EX750-5/EX800H-5 (with Headguand-Integrated cab)
A	Distance between tumblers	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)

Loading Shovel Bucket (PCSA heaped)

Capacity	Max. width	No. of teeth	Weight	Type
3.6 m³ (4.71 yd³)	2 300 mm (7' 7")	6	6 080 kg (13 410 lb)	Bottom dump type rock bucket
4.0 m³ (5.23 yd³)	2 460 mm (8' 1")	6	5 620 kg (12 390 lb)	Bottom dump type general purpose bucket
4.0 m³ (5.23 yd³)	2 360 mm (7' 9")	6	4 980 kg (10 980 lb)	Tilt dump type rock bucket
4.4 m³ (5.75 yd³)	2 520 mm (8' 3")	6	4 630 kg (10 210 lb)	Tilt dump type general purpose bucket

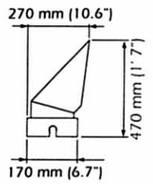
TRANSPORTATION

Super EX V

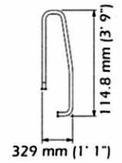
- Easily assembled owning to local assembling system requiring no welding.
- Overall width of below 3 490 mm (11' 5") during transportation.

UPPERSTRUCTURE/UNDERCARRIAGE

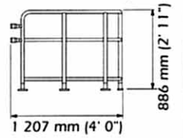
Pipe exhaust
Weight: 6 kg (13 lb)



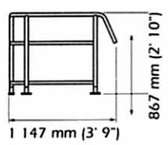
Handrail
Weight: 6.16 kg (14 lb)
Width: 180 mm (7.1")



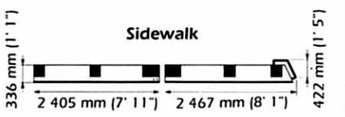
Handrail
Weight: 42.7 kg (94 lb)×2
Width: 30 mm (1.2")



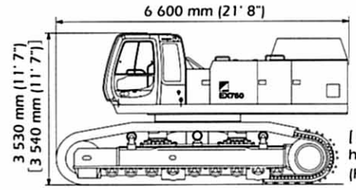
Handrail
Weight: 13.4 kg (30 lb)



Sidewalk



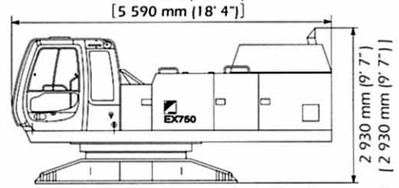
Weight: 28 kg (62 lb) **Weight: 29 kg (64 lb)**
Height: 115 mm (4.5")



[ ] are with boltfixed-integrated headguard cab (H-Version: Standard)

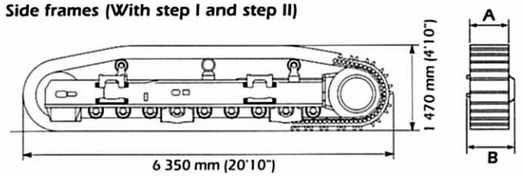
	Shoe width	Overall width	Weight
EX750-5	650 mm (26")	3 490 mm (11' 5")	45 700 kg (100 800 lb)
	750 mm (30")	3 580 mm (11' 9")	46 400 kg (102 310 lb)
EX800H-5	650 mm (26")	3 490 mm (11' 5")	45 900 kg (101 210 lb)

Upperstructure
Weight: 20 660 kg (45 560 lb)
Width: 3 420 mm (11' 3")
[Width: 3 480 mm (11' 5")]



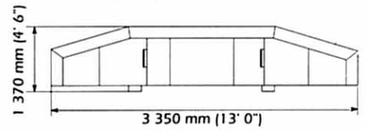
[ ] are with boltfixed integrated-headguard cab (H-Version: Standard)

Side frames (With step I and step II)

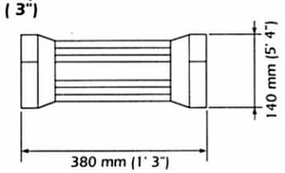


	A Shoe width	B	Weight
EX750-5	650 mm (26")	845 mm (2' 9")	11 110 kg (24 500 lb)
	750 mm (30")	845 mm (2' 9")	11 460 kg (25 300 lb)
EX800H-5	650 mm (26")	845 mm (2' 9")	11 110 kg (24 500 lb)

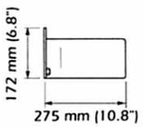
Counterweight
Weight: 12 500 kg (27 000 lb)
Width: 1 370 mm (4' 6")



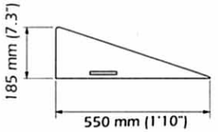
Step
Weight: 3 kg (7 lb)×2
Width: 75 mm (3")



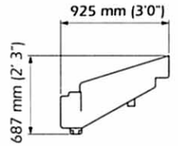
Motor piping cover: I
Weight: 1.86 kg (4 lb)×2
Width: 128 mm (5")



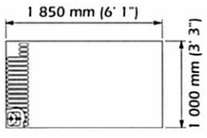
Motor piping cover: II
Weight: 4.17 kg (9 lb)×2
Width: 59 mm (2' 3")



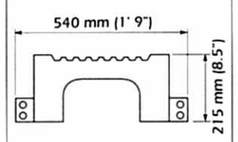
Motor piping cover: III
Weight: 57.3 kg (126 lb)×2
Width: 592 mm (1'11")



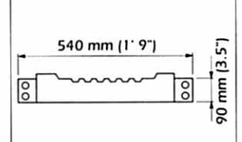
Headguard (EX800H-5)
Weight: 95 kg (209 lb)
Width: 150 mm (5'9")



Step: I
Weight: 18 kg (40 lb)×4
Width: 125 mm (4.9")

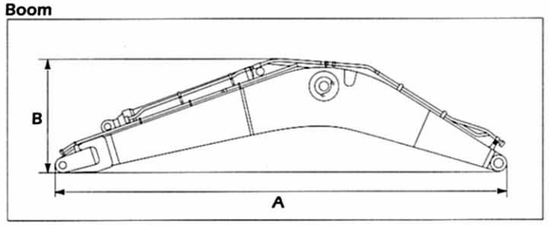


Step: II
Weight: 12.7 kg (28 lb)×4
Width: 125 mm (4.9")



BACKHOE ATTACHMENT

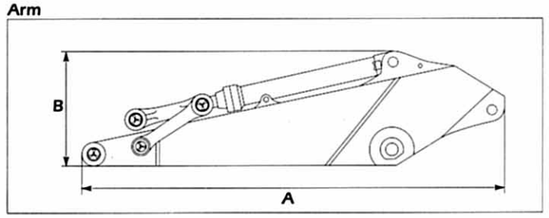
Boom



	Boom length	A	B	Width	Weight
EX750-5	8.25 m (27' 1")	8 500 mm (27' 11")	1 900 mm (6' 3")	1 420 mm (4' 8")	7 010 kg (15 460 lb)
EX800H-5	*8.25 m (27' 1")	8 500 mm (27' 11")	1 900 mm (6' 3")	1 420 mm (4' 8")	7 090 kg (15 630 lb)
EX750-5	**7.10 m (23' 4")	7 500 mm (24' 7")	2 450 mm (8' 1")	1 420 mm (4' 8")	7 200 kg (15 880 lb)

* H-boom ** BE-boom

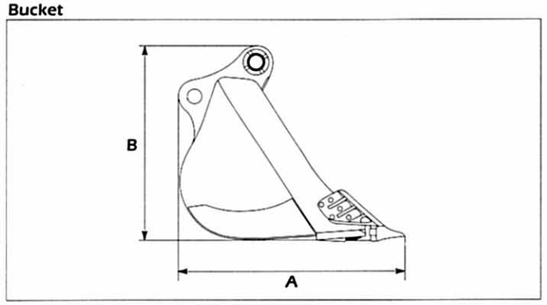
Arm



	Arm length	A	B	Width	Weight
EX750-5	3.60 m (11' 10")	5 065mm (16' 7")	1 190 mm (3' 11")	840 mm (2' 9")	3 590 kg (7 920 lb)
	4.40 m (14' 5")	5 820mm (19' 1")	1 320 mm (4' 4")	840 mm (2' 9")	3 900 kg (8 600 lb)
	5.40 m (17' 9")	6 820mm (22' 5")	1 270 mm (4' 2")	840 mm (2' 9")	3 900 kg (8 600 lb)
EX800H-5	*3.60 m (11'10")	5 065 mm (16' 7")	1 190 mm (3' 11")	840 mm (2' 9")	3 830 kg (8 450 lb)
EX750-5 EX800H-5	**2.95 m (9' 8")	4 410 mm (14' 6")	1 700 mm (5' 7")	840 mm (2' 9")	4 350 kg (9 590 lb)

* H-arm ** BE-arm

Bucket

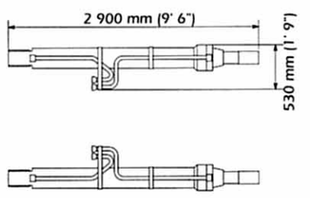


Capacity PCSA heaped	Capacity CECE heaped	A	B	Width	Weight
2.0 m³ (2.62 yd³)	1.8 m³	2 115 mm (6' 11")	1 735 mm (5' 8")	1 490 mm (4' 11")	2 060 kg (4 540 lb)
2.4 m³ (3.14 yd³)	2.2 m³	2 210 mm (7' 3")	1 870 mm (6' 2")	1 560 mm (5' 1")	2 350 kg (5 180 lb)
2.8 m³ (3.66 yd³)	2.4 m³	2 210 mm (7' 3")	1 870 mm (6' 2")	1 700 mm (5' 7")	2 400 kg (5 290 lb)
2.9 m³ (3.79 yd³)	2.6 m³	2 210 mm (7' 3")	1 870 mm (6' 2")	1 810 mm (5' 11")	2 500 kg (5 510 lb)
3.3 m³ (4.32 yd³)	2.9 m³	2 210 mm (7' 3")	1 870 mm (6' 2")	1 960 mm (6' 5")	2 620 kg (5 780 lb)
*2 4.1 m³ (5.36 yd³)	3.6 m³	2 350 mm (7' 9")	1 950 mm (6' 5")	2 050 mm (6' 9")	3 500 kg (7 720 lb)
*1 3.3 m³ (4.32 yd³)	2.9 m³	2 260 mm (7' 5")	1 930 mm (6' 4")	1 830 mm (6' 0")	3 300 kg (7 280 lb)
3.6 m³ (4.71yd³)	3.2 m³	2 260 mm (7' 5")	1 930 mm (6' 4")	1 960 mm (6' 5")	3 490 kg (7 700 lb)
*2 4.1 m³ (5.36 yd³)	3.6 m³	2 350 mm (7' 9")	1 950 mm (6' 5")	2 030 mm (6' 8")	4 000 kg (8 820 lb)
*3 1.9 m³ (2.48 yd³)	1.7 m³	2 370 mm (7' 9")	2 010 mm (6' 7")	*4 1 490 mm (4' 11")	4 100 kg (9 040 lb)
*3 2.2 m³ (2.88 yd³)	2.0 m³	2 370 mm (7' 9")	2 010 mm (6' 7")	*4 1 580 mm (5' 2")	4 300 kg (9 480 lb)
One-point ripper	—	2 500 mm (8' 2")	1 300 mm (4' 3")	*4 800 mm (2' 7")	2 600 kg (5 730 lb)

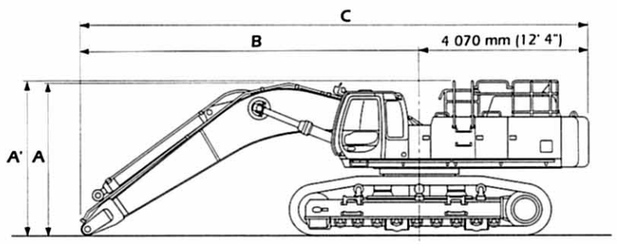
*1 Rock bucket *2 BE bucket *3 Ripper bucket *4 Without side cutters

Boom cylinders

Weight: 700 kg (1 540 lb)×2
Height: 410 mm



Basic machine with boom



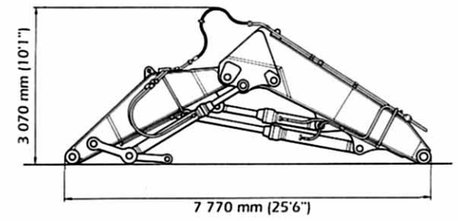
	Boom length	Shoe width	Overall width	Weight	A	A'	B	C
EX750-5	8.25 m (27' 1")	650 mm (26")	3 480 mm (11' 5")	49 010 kg (108 070 lb)	3 730 mm (12' 3")	3 920 mm (12' 10")	8 330 mm (27' 4")	11 640 mm (38' 2")
		750 mm (30")	3 580 mm (11' 9")	49 710 kg (109 610 lb)				
		900 mm (35")	3 730 mm (12' 3")	50 810 kg (112 040 lb)				
EX800H-5	*1 8.25 m (27' 1")	650 mm (26")	3 480 mm (11' 5")	49 750 kg (109 770 lb)	3 730 mm (12' 3")	3 920 mm (12' 10")	8 330 mm (27' 4")	11 640 mm (38' 2")
EX750-5	*2 7.10 mm (23' 4")	650 mm (26")	3 480 mm (11' 5")	49 130 kg (108 330 lb)	3 860 mm (12' 8")	3 890 mm (12' 9")	7 180 mm (23' 7")	10 490 mm (34' 5")
		750 mm (30")	3 580 mm (11' 9")	49 830 kg (109 880 lb)				
		900 mm (35")	3 730 mm (12' 3")	50 930 kg (112 300 lb)				

*1 H-boom *2 BE-boom

LOADING SHOVEL ATTACHMENTS

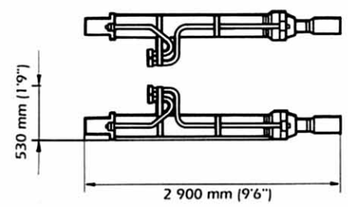
Boom & arm assembly

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

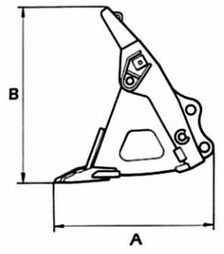


Boom cylinders

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



Bucket

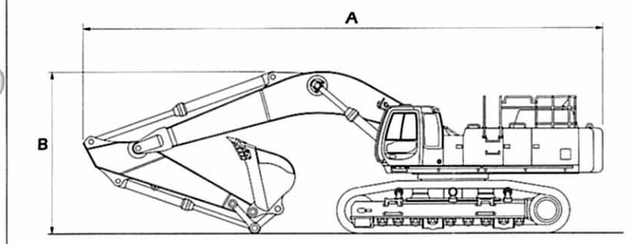


Bucket capacity	A mm (ft in)	B mm (ft in)	Max. width mm (ft in)	Weight kg (lb)	Type
3.6 m³ (4.71 yd³)	2 280 (7'6")	2 570 (8'5")	2 300 (7'7")	6 080 (13 410)	Bottom dump type rock bucket
4.0 m³ (5.23 yd³)	2 300 (7'7")	2 570 (8'5")	2 460 (8'1")	5 620 (12 390)	Bottom dump type general purpose bucket
4.0 m³ (5.23 yd³)	2 290 (7'6")	2 560 (8'5")	2 360 (7'9")	4 980 (10 980)	Tilt dump type rock bucket
4.4 m³ (5.75 yd³)	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-front attachments

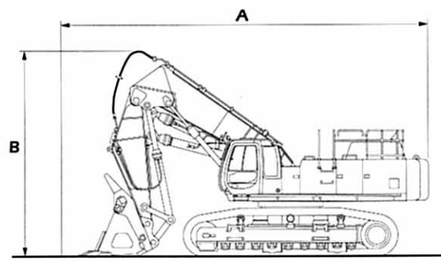


	A	B	Width
EX750-5	14 160 mm (46'6")	*1 4 570 mm (15'0")	3 480 mm (11'5")
EX800H-5	14 160 mm (46'6")	*1 4 570 mm (15'0")	3 480 mm (11'5")
EX750-5 BE-front	13 180 mm (43'3")	*2 5 040 mm (16'6")	3 480 mm (11'5")
EX800H-5 *3	13 000 mm (42'8")	*2 4 830 mm (15'10")	3 480 mm (11'5")

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

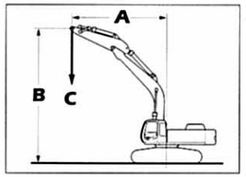
Loading Shovel

Basic machine with 4.0 m³ (5.23 yd³)



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

LIFTING CAPACITIES



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: OFF

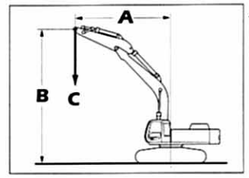
METRIC MEASURE

EX750-5 — Rating over-side or 360 degrees — Rating over-front — Unit: 1 000 kg

Conditions	Load point height m	Load radius 2 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 8.25 m Arm 3.60 m Without Bucket Shoes 650 mm	8									11.5*	11.5*			10.6*	10.6*	10.4
										12.3*	12.3*			12.0*	12.0*	10.4
	6							13.7*	13.7*	12.2*	12.2*			10.5	10.6*	11.3
								14.6*	14.6*	12.9	12.9*			10.5	12.0*	11.3
	4					22.3*	22.3*	16.0*	16.0*	12.4	13.3*			9.7	11.0*	11.7
						23.7*	23.7*	17.0*	17.0*	12.4	14.1*			9.7	12.4*	11.7
	2					24.3	25.9*	16.3	18.1*	11.9	14.4*			9.4	11.9*	11.7
						24.3	27.5*	16.3	19.3*	11.9	15.3*			9.4	13.4*	11.7
	0 (Ground)					23.7	27.1*	15.7	19.4*	11.6	15.2*			9.6	13.2*	11.4
						23.7	28.8*	15.7	20.6*	11.6	16.2*			9.6	14.0*	11.4
	−2			19.1*	19.1*	23.7	26.6*	15.5	19.6*	11.5	15.2*			10.4	13.8*	10.7
				20.0*	20.0*	23.7	28.3*	15.5	20.8*	11.5	16.2*			10.4	14.7*	10.7
	−4			34.1*	34.1*	24.1	24.6*	15.7	18.4*					12.4	14.5*	9.6
				35.7*	35.7*	24.1	26.2*	15.7	19.6*					12.4	15.4*	9.6
	−6					20.1*	20.1*							14.8*	14.8*	7.7
						21.4*	21.4*							15.8*	15.8*	7.7
Boom 8.25 m Arm 4.40 m Without Bucket Shoes 650 mm	8									9.5*	9.5*			6.8*	6.8*	11.4
										10.2*	10.2*			7.8*	7.8*	11.4
	6							11.6*	11.6*	10.3*	10.3*	8.7*	8.7*	6.7*	6.7*	12.2
								12.4*	12.4*	11.1*	11.1*	8.9	9.9*	7.7*	7.7*	12.2
	4					19.1*	19.1*	14.0*	14.0*	11.5*	11.5*	8.7	10.3*	6.9*	6.9*	12.6
						20.4*	20.4*	14.9*	14.9*	11.8	12.4*	8.7	11.1*	7.9*	7.9*	12.6
	2					23.3*	23.3*	15.7	16.2*	11.2	12.8*	8.4	10.9*	7.3*	7.3*	12.6
						24.0	24.9*	15.7	17.3*	11.2	13.7*	8.4	11.7*	7.6	8.4*	12.6
	0 (ground)					22.9	25.4*	15.0	17.8*	10.8	13.8*	8.2	11.4*	7.8	8.1*	12.3
						22.9	27.1*	15.0	19.0*	10.8	14.8*	8.2	12.2*	7.8	9.2*	12.3
	−2			15.6*	15.6*	22.6	25.7*	14.6	18.4*	10.5	14.2*			8.4	9.4*	11.7
				16.4*	16.4*	22.6	27.4*	14.6	19.7*	10.5	15.2*			8.4	10.7*	11.7
	−4	18.5*	18.5*	26.4*	26.4*	22.8	24.4*	14.6	17.9*	10.6	13.5*			9.7	11.8*	10.6
		19.5*	19.5*	27.8*	27.8*	22.8	26.1*	14.6	19.1*	10.6	14.8*			9.7	12.9*	10.6
	−6			30.0*	30.0*	21.1*	21.1*	15.1	15.3*					12.4*	12.4*	9.0
				32.0*	32.0*	22.6	22.6*	15.1	16.4*					12.8	13.3*	9.0

Precision mode

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



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE

EX750-5 — Rating over-side or 360 degrees — Rating over-front — Unit: 1 000 kg

Conditions	Load point height m	Load radius 2 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 8.25 m Arm 5.40 m Without Bucket Shoes 650 mm	8											7.8*	7.8*	5.4*	5.4*	12.5
												9.3*	9.3*	6.6*	6.6*	12.5
	6									9.3*	9.3*	8.9*	8.9*	5.4*	5.4*	13.2
										10.6*	10.6*	9.9	10.2*	6.5*	6.5*	13.2
	4					16.2*	16.2*	12.4*	12.4*	10.6*	10.6*	9.5	9.6*	5.5*	5.5*	13.5
						18.3*	18.3*	14.1*	14.1*	12.1*	12.1*	9.5	11.0*	6.7*	6.7*	13.5
	2					20.8*	20.8*	14.8*	14.8*	11.9*	11.9*	9.2	10.4*	5.7*	5.7*	13.6
						23.6*	23.6*	16.8	16.9*	12.1	13.7*	9.2	11.9*	7.0*	7.0*	13.6
	0 (Ground)					23.7*	23.7*	15.9	16.7*	11.6	13.1*	8.9	11.0*	6.2*	6.2*	13.3
						24.0	27.0*	15.9	19.1*	11.6	15.0*	8.9	12.6*	7.6*	7.6*	13.3
	−2	8.8*	8.8*	14.5*	14.5*	23.4	24.9*	15.4	17.8*	11.2	13.9*	8.7	11.3*	7.1*	7.1*	12.7
		9.9*	9.9*	16.1*	16.1*	23.4	28.3*	15.4	20.3*	11.2	15.9*	8.7	12.9	8.0	8.6*	12.7
	−4	15.1*	15.1*	21.8*	21.8*	23.3	24.6*	15.2	17.9*	11.2	13.8*			8.5*	8.5*	11.7
		16.7*	16.7*	24.2*	24.2*	23.3	28.0*	15.2	20.4*	11.2	15.8*			9.0	10.2*	11.7
	−6	22.7*	22.7*	32.5*	32.5*	22.6*	22.6*	15.5	16.6*	11.5	12.3*			11.1	11.2*	10.3
		25.1*	25.1*	35.9*	35.9*	23.7	25.7*	15.5	19.0*	11.5	14.1*			11.0	13.2*	10.3
	−8			25.5*	25.5*	17.8*	17.8*	12.2*	12.2*					11.6*	11.6*	8.1
				29.1*	29.1*	20.4*	20.4*	14.0*	14.0*					13.4*	13.4*	8.1

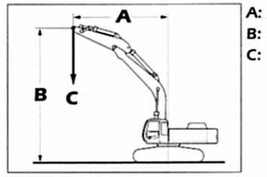
EX750-5 BE-front — Unit: 1000 kg

Conditions	Load point height m	Load radius 2 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 7.10 m BE-boom Arm 2.95 m BE-arm Without Bucket Shoes 650 mm	8							14.2*	14.2*					14.4*	14.4*	8.5
								15.1*	15.1*					15.3*	15.3*	8.5
	6					17.8*	17.8*	15.0*	15.0*					13.3	14.1*	9.5
						18.9*	18.9*	16.0*	16.0*					13.3	15.2*	9.5
	4					22.2*	22.2*	16.8*	16.8*	12.0	14.6*			11.9	14.4*	10.0
						23.6*	23.6*	17.0	17.9*	12.0	15.5*			11.9	15.5*	10.0
	2					24.4	25.7*	16.1	18.5*	11.6	15.1*			11.5	15.0*	10.0
						24.4	27.3*	16.1	19.7*	11.6	16.1*			11.5	16.0*	10.1
	0 (Ground)					23.7	26.9*	15.6	19.4*					11.9	15.6*	9.7
						23.7	28.6*	15.6	20.7*					11.9	16.6*	9.7
	−2			34.1*	34.1*	23.7	25.8*	15.6	18.8*					13.5	16.1*	8.9
				35.7*	35.7*	23.7	27.4*	15.6	20.0*					13.5	17.2*	8.9
	−4			30.3*	30.3*	21.7*	21.7*							16.2*	16.2*	7.4
				32.3*	32.3*	23.2*	23.2*							17.3*.	17.3*	7.4

Precision mode

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

LIFTING CAPACITIES



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE

EX800H-s

Rating over-side or 360 degrees | Rating over-front | Unit: 1 000 kg

Conditions	Load point height m	Load radius 2 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 8.25 m H-boom Arm 3.60 m H-arm Without Bucket Shoes 650 mm	8									11.4*	11.4*			10.6*	10.6*	10.4
										12.1*	12.1*			12.0*	12.0*	10.4
	6							13.5*	13.5*	12.0*	12.0*			10.4	10.6*	11.3
								14.4*	14.4*	12.8*	12.8*			10.4	11.9*	11.3
	4					21.9*	21.9*	15.8*	15.8*	12.3	13.0*			9.5	11.0*	11.7
						23.3*	23.3*	16.8*	16.8*	12.3	13.9*			9.5	12.4*	11.7
	2					24.0	25.5*	16.1	17.8*	11.7	14.2*			9.2	11.8*	11.7
						24.0	27.1*	16.1	19.0*	11.7	15.1*			9.2	13.2*	11.7
	0 (Ground)					23.4	26.7*	15.5	19.1*	11.4	14.9*			9.4	12.9*	11.4
						23.4	28.4*	15.5	20.3*	11.4	15.9*			9.4	13.8*	11.4
	−2			19.1*	19.1*	23.4	26.2*	15.3	19.3*	11.3	14.9*			10.3	13.6*	10.7
				20.0*	20.0*	23.4	27.9*	15.3	20.5*	11.3	15.9*			10.3	14.5*	10.7
	−4			33.5*	33.5*	23.8	24.2*	15.5	18.1*					12.2	14.2*	9.6
				35.7*	35.7*	23.8	25.7*	15.5	19.3*					12.2	15.2*	9.6
	−6					19.7*	19.7*							14.5*	14.5*	7.7
						21.0*	21.0*							15.5*	15.5*	7.7

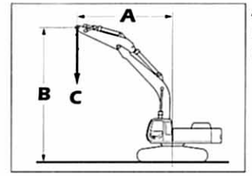
EX800H-s BE-boom + H-arm

Unit: 1000 kg

Conditions	Load point height m	Load radius 2 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 7.10 m BE-boom Arm 3.60 m H-arm Without Bucket Shoes 650 mm	8							13.3*	13.3*					9.7*	9.7*	9.1
								14.1*	14.1*					10.9*	10.9*	9.1
	6							14.5*	14.5*	10.2*	10.2*			9.6*	9.6*	10.0
								15.4*	15.4*	11.6*	11.6*			10.8*	10.8*	10.0
	4					21.3*	21.3*	16.5*	16.5*	12.7	14.3*			9.9*	9.9*	10.5
						22.6*	22.6*	17.5*	17.5*	12.7	15.2*			11.2*	11.2*	10.5
	2					25.5*	25.5*	17.0	18.5*	12.2	15.2*			10.8*	10.8*	10.5
						25.7	27.0*	17.0	19.7*	12.2	16.2*			11.3	12.2*	10.5
	0 (Ground)			19.9*	19.9*	24.7	27.5*	16.3	19.9*	11.9	15.7*			11.6	12.5*	10.2
				20.9*	20.9*	24.7	29.2*	16.3	21.1*	11.9	16.7*			11.6	14.1*	10.2
	−2			33.6*	33.6*	24.5	27.2*	16.1	19.8*					12.9	15.6*	9.4
				35.2*	35.2*	24.5	28.9*	16.1	21.1*					12.9	17.5*	9.4
	−4			34.7*	34.7*	24.3*	24.3*	16.5	17.1*					16.2	16.8*	8.0
				36.9*	36.9*	24.9	25.8*	16.5	18.2*					16.2	17.9*	8.0

Precision mode

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



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: OFF

METRIC MEASURE

EX800H-s BE-front

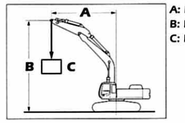
Rating over-side or 360 degrees | Rating over-front | Unit: 1 000 kg

Conditions	Load point height m	Load radius 2 m		4 m		6 m		8 m		10 m		12 m		At max. reach		
																@ m
Boom 7.10 m BE-boom Arm 2.95 m BE-arm Without Bucket Shoes 650 mm	8							14.2*	14.2*					14.4*	14.4*	8.5
								15.1*	15.1*					15.3*	15.3*	8.5
	6					17.8*	17.8*	15.0*	15.0*					13.3	14.1*	9.5
						18.9*	18.9*	16.0*	16.0*					13.3	15.2*	9.5
	4					22.2*	22.2*	16.8*	16.8*	12.0	14.6*			11.9	14.4*	10.0
						23.6*	23.6*	17.1	17.9*	12.0	15.5*			11.9	15.5*	10.0
	2					24.6	25.7*	16.2	18.5*	11.7	15.1*			11.5	15.0*	10.1
						24.6	27.3*	16.2	19.7*	11.7	16.1*			11.5	16.0*	10.1
	0 (Ground)					23.8	26.9*	15.7	19.4*					12.0	15.6*	9.7
						23.8	28.6*	15.7	20.7*					12.0	16.6*	9.7
	−2			34.1*	34.1*	23.8	25.8*	15.7	18.8*					13.6	16.1*	8.9
				35.7*	35.7*	23.8	27.4*	15.7	20.0*					13.6	17.2*	8.9
	−4			30.3*	30.5*	21.7*	21.7*							16.2*	16.2*	7.4
				32.3*	32.3*	23.2*	23.2*							17.3*	17.3*	7.4

Precision mode

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

LIFTING CAPACITIES



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

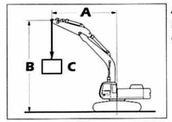
With retracted bucket cylinder
Overload alarm device switch: ON

METRIC MEASURE

EX750-s

Rating over-side or 360 degrees Unit: 1 000 kg

Conditions	Load point height	Load radius						At max. reach	
	m	2 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 8.25 m Arm 3.60 m Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8					3.8		3.8	10.4
	6				4.7	4.0		3.8	11.3
	4			7.8	5.4	4.3		3.8	11.7
	2			9.0	6.1	4.7		4.0	11.7
	0 (Ground)			9.4	6.5	4.9		4.2	11.4
	−2		13.1	9.2	6.5	4.9		4.4	10.7
	−4		11.6	8.3	6.0			4.6	9.6
	−6			6.4				4.5	7.7
Boom 8.25 m Arm 4.40m Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8					2.5		2.4	11.4
	6				3.4	2.7	2.4	2.4	12.2
	4			6.1	4.0	3.0	2.5	2.4	12.6
	2			7.4	4.7	3.4	2.7	2.5	12.6
	0 (Ground)			8.0	5.2	3.7	2.8	2.7	12.3
	−2		12.8	8.0	5.4	3.8		2.8	11.7
	−4	18.5	11.4	7.5	5.1	3.5		3.0	10.6
	−6		9.0	6.1	4.0			2.9	9.0



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: ON

METRIC MEASURE

EX750-s

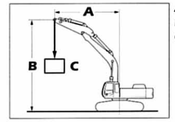
Rating over-side or 360 degrees Unit: 1 000 kg

Conditions	Load point height	Load radius						At max. reach	
	m	2 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 8.25 m Arm 5.40 m Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8						2.7	2.8	12.5
	6					3.1	2.8	2.8	13.2
	4			6.0	4.3	3.5	3.0	2.8	13.5
	2			7.5	5.1	3.9	3.3	2.9	13.6
	0 (Ground)			8.6	5.8	4.3	3.5	3.1	13.3
	−2	8.8	14.5	9.0	6.2	4.6	3.6	3.2	12.7
	−4	15.1	13.7	8.8	6.2	4.5		3.4	11.7
	−6	22.1	11.9	7.9	5.6	3.9		3.5	10.3
	−8		8.4	5.7	3.6			3.4	8.1

EX750-s BE-front

Unit: 1 000 kg

Conditions	Load point height	Load radius						At max. reach	
	m	2 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 7.10 m BE-boom Arm 2.95 m BE-arm Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8				5.0			5.0	8.5
	6			6.5	5.2			4.7	9.5
	4			7.8	5.6	4.7		4.7	10.0
	2			8.9	6.2	4.9		4.8	10.1
	0 (Ground)			9.2	6.4			5.0	9.7
	−2		12.5	8.6	6.1			5.1	8.9
	−4		9.6	6.9				4.8	7.4



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: ON

METRIC MEASURE

EX800H-s

Rating over-side or 360 degrees Unit: 1 000 kg

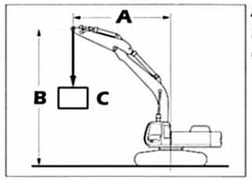
Conditions	Load point height	Load radius						At max. reach	
	m	2 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 8.25 m H-boom Arm 3.60 m H-arm Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8					3.6		3.6	10.4
	6				4.5	3.8		3.6	11.3
	4			7.5	5.2	4.1		3.6	11.7
	2			8.6	5.8	4.4		3.8	11.7
	0 (Ground)			9.0	6.2	4.7		3.9	11.4
	−2		12.5	8.7	6.2	4.6		4.1	10.7
	−4		11.0	7.9	5.7			4.3	9.6
	−6			6.0				4.2	7.7

EX800H-s BE-boom + H-arm

Unit: 1 000 kg

Conditions	Load point height	Load radius						At max. reach	
	m	2 m	4 m	6 m	8 m	10 m	12 m		@ m
Boom 7.10 m BE-boom Arm 3.60 m H-arm Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8				4.9			4.8	9.1
	6				5.3	4.7		4.7	10.0
	4			7.9	5.9	4.9		4.8	10.5
	2			9.3	6.5	5.2		4.9	10.5
	0 (Ground)		15.9	9.9	6.9	5.3		5.1	10.2
	−2		14.6	9.7	6.8			5.4	9.4
	−4		12.1	8.4	5.6			5.5	8.0

LIFTING CAPACITIES — SuperEX V



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

The lifting capacity is defined by the overload alarm device set pressure.
When hydraulic pressure reaches the set pressure, the alarm buzzer sounds.

With retracted bucket cylinder
Overload alarm device switch: ON

METRIC MEASURE

EX800H-5 BE-front

Rating over-side or 360 degrees Unit: 1 000 kg

Conditions	Load point height m	Load radius 2 m	4 m	6 m	8 m	10 m	12 m	At max. reach	@ m
Boom 7.10m BE-boom Arm 2.95 m BE-arm Without Bucket Shoes 650 mm Setting pressure 15.7 MPa (160 kgf/cm²)	8				5.0			5.0	8.5
	6			6.5	5.2			4.7	9.5
	4			7.8	5.6	4.7		4.7	10.0
	2			8.9	6.2	4.9		4.8	10.1
	0 (Ground)			9.2	6.4			5.0	9.7
	−2		12.5	8.6	6.1			5.1	8.9
	−4		9.6	6.9				4.8	7.4

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
- Radiater 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
- Precision mode (backhoe only)
- 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. Reinforced tinted (bronze color) glass windows. 6 fluid-filled elastic mounts. Openable front window-upper, lower and left side windows. Retractable intermittent windshield wiper. 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. Pilot control shut-off lever.

MONITOR SYSTEM
- Meters:
  Hourmeter. Engine coolant temperature gauge. Fuel meter.
- Warning lamps:
  Alternator charge. Engine oil pressure. Engine overheat. Air cleaner clog. Minimum fuel level.
- Pilot lamps:
  Warm up complete indicator. Engine oil level. Engine coolant level. Hydraulic oil level. Quick idle.
- Alarm buzzers:
  Engine oil pressure. 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 grauser shoes

FRONT ATTACHMENTS
- Bucket clearance adjust mechanism (backhoe bucket only)
- Centralized lubrication system
- Dirt seals on all bucket pins
- 8.25 m (27' 1") boom
- 3.60 m (11' 10") arm
- 3.3 m³ (4.32 yd³): PCSA heaped bucket

MISCELLANEOUS
- Standard tool kit
- Lockable machine covers
- Fuel tank cap
- Skid-resistant tapes, left service walkway and handrails
- Electric lubricator

EX800H-5 (Heavy-duty version)
- Headguard-integrated cab (pressurized type)
- 8.25 m (17' 1") H-boom
- 3.60 m (11' 10") H-arm
- 3.3 m³ (4.32 yd³): PCSA heaped rock bucket

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 (fresh air introduction)
- Hot & cool box
- Hose rupture valve
- Swing alarm with lamps
- Travel alarm with cancel switch
- Sunvisor (headguard-integrated cab only)
- Cab front guards (upper and lower) (headguard-integrated cab only)
- Electric fuel refilling pump
- Auto lubricator
- Front window shutter-preventing film (except Headguard-integrated cab)

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