HITACHI

ZAXIS 450

■ **Engine Rated Power** : 235 kW (320 PS)

■ **Operating Weight**

ZAXIS450/ZAXIS450LC : 42 500 kg—46 200 kg
ZAXIS450H/ZAXIS450LCH : 43 800 kg—46 600 kg
ZAXIS480MT/ZAXIS480MTH : 47 300 kg—49 300 kg

■ **Backhoe Bucket**

SAE, PCSA Heaped : 1.15—2.65 m^3
CECE Heaped : 1.0—2.3 m^3

ZAXIS

Futuristic Performance

High Productivity
A truly high-performance machine

- H/P mode newly used in this model.
- 5% more production in H/P mode (compared to EX400-5).
- 8% less fuel consumption (compared to EX400-5).
- 235 kW (320 PS) powerful engine.
- 2.65 m³ (with BE front (Option)) large bucket capacity.
- 15% less fuel consumption during light-load operation from auto acceleration system (compared to EX400-5).

Lower Running Costs
Stronger structural component design

- Solid, bucket large joint pins are lubricated through bosses.
- Strong box-section upperstructure supports the front.

Lower Maintenance Costs
Reduced maintenance time and expense

- Fewer engine oil filters (3→2 :compared to EX400-5). Both are located at convenient points.
- Convenient maintenance doors are provided in the engine cover for quick and easy inspections.
- Auto-grease lubricator and electric grease gun (optional).

CRES (Center pillar Reinforced Structure) Cab :
ZAXIS450/ZAXIS480MT series
Rugged pressurized cab with integrated headguard : ZAXIS450H/ZAXIS480MTH series

- Low noise and vibration in cab.
- Auto control air conditioner.
- Boom mode selector helps to control shock and vibration.

Notes *:*

1. *Never leave the front attachment in a raised position. Make sure the front attachment is lowered to the ground before leaving the equipment unattended. (Some of the pictures in this catalog show an unmanned machine with attachments in an operating position. These were taken for demonstration purposes only and the actions shown are not recommended under normal operating conditions.)*
2. *Caution plates on the machine will vary according to country.*
3. *Photos include optional equipment.*

Improved Productivity & Faster Work Completion

ZAXIS uses advanced technology to reduce costs while working faster.

5 % increase
in production (in H/P mode)
(compared to EX400-5)

8 % less
fuel consumption
(compared to EX400-5)

Large Displacement Engine Creates Power for High Productivity

● **Engine rated power:**
226 kW (307 PS) EX400-5 ▶ **235 kW (320 PS)**

● **Engine displacement:**
13.741 L EX400-5 ▶ **15.681 L**

Excavating Power for Tough Job Sites

A powerful engine and efficient hydraulic system team up to boost maximum excavating power.
It has the power to take on tough job sites.

● **Backhoe bucket:**
251 kN (25 600 kgf) EX400-5 ▶ **259 kN (26 400 kgf)**

● **Rock bucket:**
261 kN (26 600 kgf) EX450H-5 ▶ **269 kN (27 400 kgf)**

Large Production From Low Fuel Consumption Now Using the Popular H/P Mode From the ZAXIS Mid-Range Series

When power is needed, select the H/P mode. This automatically boosts engine output to 235 kW (320 PS) from 230 kW (313 PS) for increased productivity in heavy-duty operations. In light-duty operations, such as swinging or dumping, engine output is reduced automatically to 230 kW (313 PS) for fuel savings. Pressing the power boost switch further yields a boost of power.

Auto Acceleration System Helps Reduce Fuel Consumption

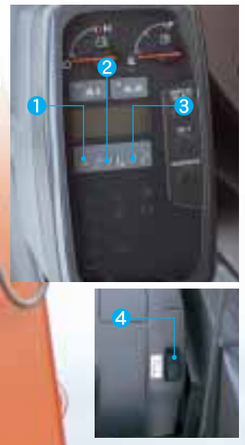
Engine speed is automatically controlled in response to lever operation. This helps reduce fuel consumption, especially during light-load work.

15 % less fuel consumption than normal operation

Work Modes for Increased Performance

The four work modes have been enhanced from prior models.

1. General purpose mode
2. Trench digging mode
3. Attachment mode
4. Precision mode



Excellent Bucket Capacity Boosts Productivity

The Zaxis450 has a bucket capacity that contributes to its productivity. It has been designed to resist wear. The rock bucket has lateral-type wear plates that are easy to replace.

● **Backhoe bucket:**
1.82 m³ EX400-5 ▶ **1.89 m³**
2.65 m³ (BE)

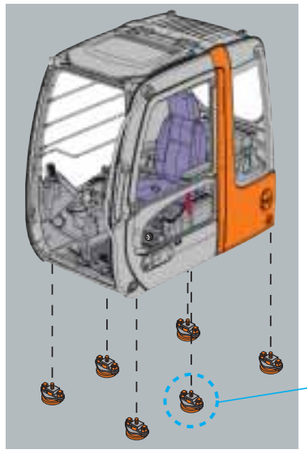
● **Rock bucket:**
1.82 m³ EX450H-5 ▶ **1.89 m³**
2.49 m³ (BE)

ZAXIS

Minimum Effort Maximum Efficiency

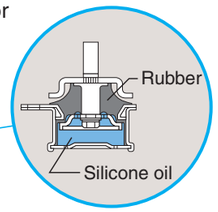
The operator's compartment is designed for both comfort and operating efficiency.

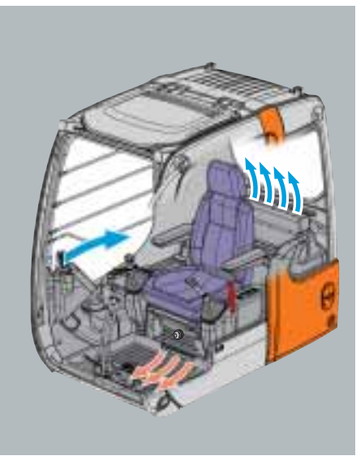
CRES Cab



Comfort Increased to Reduce Operator Fatigue

A reshaped X-beam track frame, D-type frame and rigid cab bed work together with the silicone-filled rubber cushions to keep noise and vibration. Lower noise and vibration contribute to less operator fatigue.





Auto Control Air Conditioner

Simply set the temperature and forget about it. Ducts are positioned to promote even air flow throughout the cab.

** Illustration shows a sample of the air flow during bi-level control.*

One-glance Monitor Panel

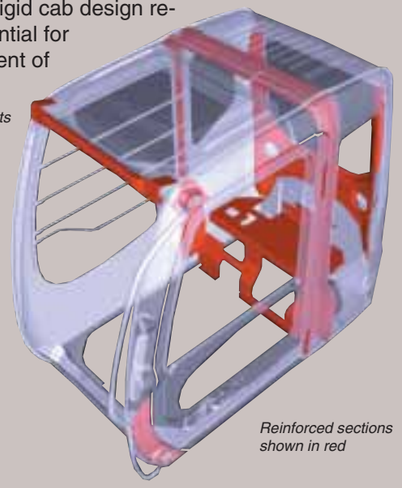
Well-positioned Levers and Switches

Safety

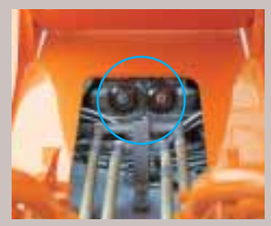
CRES (Center pillar Reinforced Structure) Cab

The cab is designed with "just in case" protection for the operator. The rigid cab design reduces the potential for injury in the event of an accident.

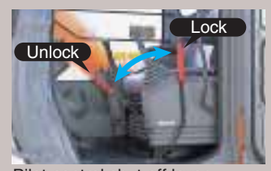
** The CRES cab meets OPG top guard level 1 (ISO).*



Reinforced sections shown in red



- **Increased Horn Volume:**
  110 dB EX400-5 ▶ **115 dB**

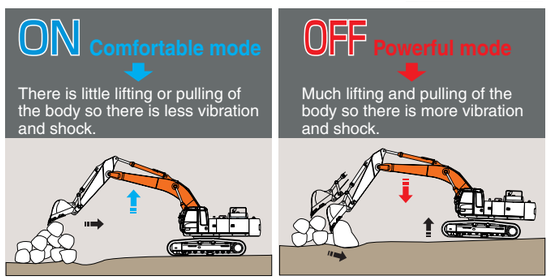


Pilot-control shut-off lever

Emergency evacuation hammer

Boom Mode Selector
Helps to reduce shaking and jerking of body during scraping operations.

The amount the body can be lifted or pulled by the front of machine can be **ON** or **OFF** selected. This helps to provide for more comfortable operation and contributes to longer component service life.



Improved downward visibility

Storage box (Hot & cool)

Easy lock front window latch

Drink holder (Hot & cool)

ZAXIS

Functional & Durable

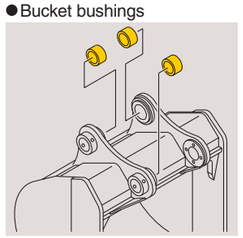
Extensive steps have been taken to support basic performance and overall durability.

Lower running costs

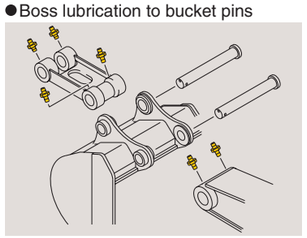
Durable Bucket Joint

A new design is adopted to bucket joints. Bucket pins are solid and large, and lubricated through bosses for more durability. The use of bucket bushes reduces pin wear.

●Bucket bushings

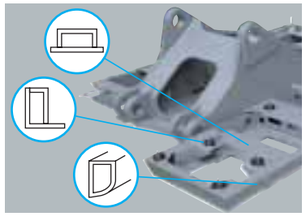


●Boss lubrication to bucket pins



Strong Upperstructure Supports the Front

A rigged box design is used throughout to provide strength. A D-frame is used for the skirt section. This design provides rigidity to the upper structure while enhancing durability.



Rugged Undercarriage for Withstanding Tough Jobs

A reshaped box design with X-beams helps disperse stress. This design boosts the overall rigidity of the entire undercarriage.

Travel Device Resists Damage

A compact travel device is used to reduce the potential for damage.

ZAXIS

Smart Savings

Advanced technology helps reducemaintenance.

Fewer Engine Oil Filters for Large Engine

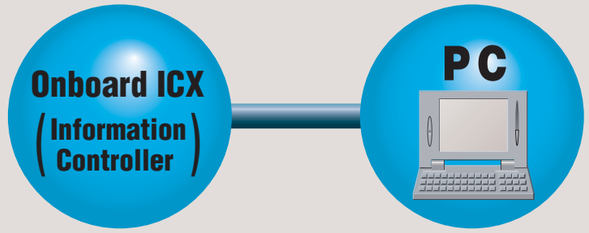
The number of engine oil filters for the engine has been reduced from 3 to 2. In addition, they are in an easy-to-reach remote location for easy changing.

Small Engine Maintenance Doors

Small maintenance doors are added to the full engine cover. Just open a small maintenance door for easy, quick inspection and maintenance. No need to open the entire engine cover.

Handy Utility Space

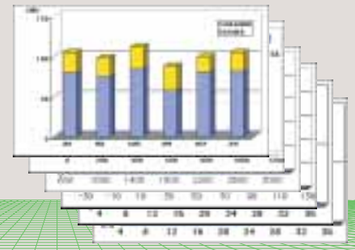
■ Equipment Operation Status Report



Information Services for Equipment

- Operation record
- Error record
- Alarm record
- Frequency distribution
  Radiator coolant / hydraulic temperature etc.

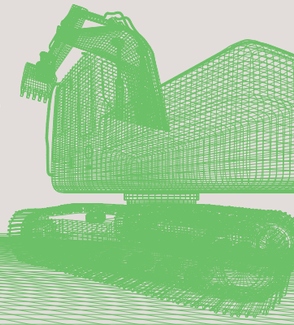
and others.



ZAXIS

Information Technology Support

Providing the data for making the right decisions.



■Fan guide ring
■Large fan
■Low rpm engine

Low-Noise Operation

Design focuses on low noise operation. Large fan and fan guide ring reduce noise from engine compartment. Low engine RPM also helps reduce noise.

Emissions Control Engine

Conforms to U.S. EPA Tier 2 and EC stage Ⅱ emission regulations.

ZAXIS

Environmentally Friendly Design

Helping ensure a cleaner tomorrow.

Labeled Plastic Parts Facilitate Efficient Recycling

Lead-Free Wiring and Aluminium Hyd. Oil Cooler Used

Heavy Duty Version H-Series

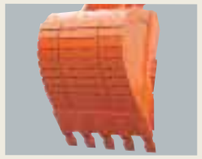
ZAXIS450H/ZAXIS480MTH

Mighty track with Heavy-duty version

ZAXIS450 (LC)H & ZAXIS480 MTH

1.89 m³ rock bucket (Lateral-type wear plates)

The easy-to-replace lateral-type wear plates are standard equipment.



Pressurized cab with integrated overhead guard

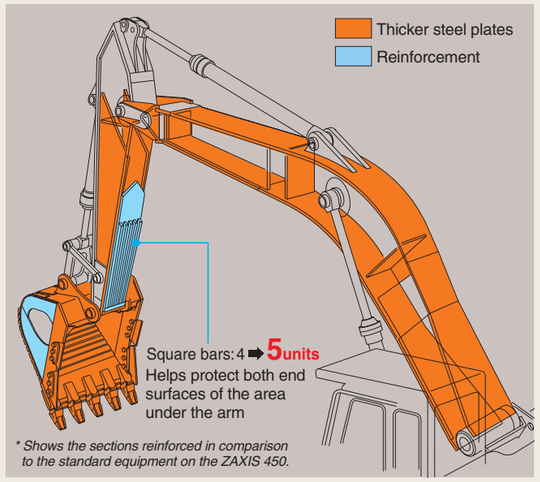
An ISO-standard FOPS large-size cab is used. It has an integrated overhead guard to help provide protection from falling objects. An optional guard is available for the front windshield to make the cab OPG level Ⅱ (ISO) compliant.

FOPS: Falling Object Protective Structure
OPG: Operator Protective Guard

Upper/lower cab front guard (Option)

H-front (Reinforced front) 7.0 m H-boom / 3.4 m H-arm

Thicker steel plates and extra reinforcement help provide reliability during heavy duty operations.



** Shows the sections reinforced in comparison to the standard equipment on the ZAXIS 450.*

4.5 mm undercover for upper structure

* Quarry specifications also available.

ZAXIS450(LC)H

ZAXIS480MTH

ZAXIS450H Upper Structure + 60-ton Class Side Frame

60-ton class large undercarriage

29% increase in traction force (compared to ZAXIS450 series)

Counterweight clearance
ZAXIS480MTH: 1 430 mm
ZAXIS450H: 1 230 mm
ZAXIS450LCH: 1 350 mm

Overall crawler width
ZAXIS480MTH: 3 520 mm
ZAXIS450H: 3 340 mm
ZAXIS450LCH: 3 490 mm

Overall crawler length
ZAXIS480MTH: 5 330 mm
ZAXIS450H: 5 055 mm
ZAXIS450LCH: 5 470 mm

60-ton class side frame

Minimum Ground Clearance
ZAXIS 480MTH: 810 mm
ZAXIS 450H: 496 mm
ZAXIS 450LCH: 738 mm

H-track type
(Dual type - 1 Unit/each side)
Track Guard
(Single type - 2 Units/each side)

Large Civil Engineering Specifications

ZAXIS480MT *Mighty track version*

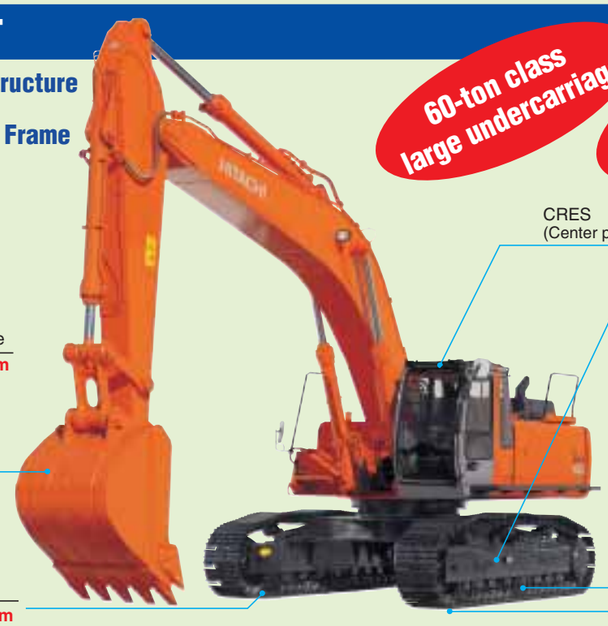
Large Civil Engineering Specifications (Reinforced undercarriage specifications)

ZAXIS480MT

ZAXIS450 Upper Structure + 60-ton Class Side Frame

60-ton class large undercarriage

29% increase in traction force (compared to ZAXIS450 series)



CRES
(Center pillar Reinforced Structure) cab

60-ton class side frame

Minimum ground clearance
ZAXIS 480MT: 810 mm
ZAXIS 450H: 496 mm
ZAXIS 450LCH: 738 mm

Counterweight clearance
ZAXIS480MT: 1 430 mm
ZAXIS450: 1 230 mm
ZAXIS450LC: 1 350 mm

2.07m³
large-capacity flat bottom bucket

Track guard
(Single type - 2 units /each side)

Overall crawler width
ZAXIS480MT: 3 520 mm
ZAXIS450: 3 340 mm
ZAXIS450LC: 3 490 mm

Overall crawler length
ZAXIS480MT: 5 330 mm
ZAXIS450: 5 055 mm
ZAXIS450LC: 5 470 mm

ENGINE

Model ..... Isuzu AA-6WG1TQA
Type ..... 4-cycle water-cooled, direct injection
Aspiration ..... Turbocharged
No. of cylinders 6
Rated power
DIN 6271, net ..... H/P mode : 235 kW (320 PS) at 1 800 min^{-1} (rpm)
P mode : 230 kW (313 PS) at 1 700 min^{-1} (rpm)
SAE J1349, net .....H/P mode : 231 kW (314 HP) at 1 800 min^{-1} (rpm)
P mode : 226 kW (307 HP) at 1 700 min^{-1} (rpm)
Maximum torque ..... 1 275 N·m (130 kgf·m, 940 lbf·ft) at 1 500 min^{-1} (rpm)
Piston Displacement ..... 15.681 L (957 in^3)
Bore and stroke ..... 147 mm × 154 mm (5.79" × 6.06")
Batteries ..... 2 × 12 V / 170 AH
Governor ..... Mechanical speed control with stepping motor

HYDRAULIC SYSTEM

- Work mode selector
  General purpose mode / Trench digging mode
  / Attachment mode
  / Precision mode or Heavy lift mode
- Engine speed sensing system

Main pumps ..... 2 variable displacement axial piston pumps
Maximum oil flow ..... 2 × 360 L/min (95.1 US gpm, 79.3 Imp gpm)
Pilot pump ..... 1 gear pump
Max. oil flow ..... 31 L/min (8.2 US gpm, 6.9 Imp gpm)

Hydraulic Motors

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

Relief Valve Settings

Implement circuit ..... 30.4 MPa (310 kgf/cm^2, 4 410 psi)
Swing circuit ..... 27.9 MPa (285 kgf/cm^2, 4 050 psi)
Travel circuit ..... 34.3 MPa (350 kgf/cm^2, 4 980 psi)
Pilot circuit ..... 3.9 MPa (40 kgf/cm^2, 570 psi)
Power boost ..... 31.9 MPa (325 kgf/cm^2, 4 620 psi)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Dimensions

	Qty.	Bore	Rod diameter
Boom	2	170 mm (6.69")	115 mm (4.53")
Arm	1	190 mm (7.48")	130 mm (5.11")
Bucket	1	170 mm (6.69")	115 mm (4.53")

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing/travel motor drain lines.

CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit.
Implement levers 2
Travel levers with pedals 2

UPPERSTRUCTURE

Revolving Frame

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

Swing Mechanism

Axial piston motor with planetary reduction 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 speed ..... 9.0 min^{-1} (rpm)

Operator's Cab

Independent spacious cab, 1 005 mm (40") wide by 1 675 mm (66") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Openable front windows (upper and lower). Adjustable, reclining seat with armrests; movable with or without control levers.

* International Standardization Organization

ZAXIS450H/ZAXIS450LCH/ZAXIS480MTH's

Cab: 1 005 mm (40") wide, 1 820 mm (72") high

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals.
Track shoes with triple grousers made of induction-hardened rolled alloy. Heat-treated connecting pins with dust seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers 2: ZAXIS450/ZAXIS450H
3: ZAXIS450LC/ZAXIS450LCH
ZAXIS480MT/ZAXIS480MTH
Lower rollers 8: ZAXIS450/ZAXIS450H
9: ZAXIS450LC/ZAXIS450LCH
8: ZAXIS480MT/ZAXIS480MTH
Track shoes 47: ZAXIS450/ZAXIS450H
53: ZAXIS450LC/ZAXIS450LCH
49: ZAXIS480MT/ZAXIS480MTH
Idler track guard ..... 1: (Except ZAXIS480MT/ZAXIS480MTH)
Track guard 1: ZAXIS450/ZAXIS450H/ZAXIS450LCH
2: ZAXIS450LC/ZAXIS480MT/ZAXIS480MTH
H-track guard
(dual type) 1: ZAXIS450H/ZAXIS450LCH/ZAXIS480MTH

Travel Device

Each track driven by axial piston motor through reduction gears for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type.
Automatic transmission system: High-Low.

ZAXIS450/ZAXIS450LC/ZAXIS450H/ZAXIS450LCH:

Travel speeds ..... High: 0 to 5.5 km/h (3.4 mph)
Low: 0 to 3.4 km/h (2.1 mph)
Maximum traction force ..... 319 kN (32 500 kgf, 71 600 lbf)

ZAXIS480MT/ZAXIS480MTH:

Travel speeds ..... High: 0 to 4.0 km/h (2.5 mph)
Low: 0 to 2.9 km/h (1.8 mph)
Maximum traction force ..... 415 kN (42 300 kgf, 93 300 lbf)
Gradeability ..... 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Backhoe

ZAXIS450:
Equipped with 7.0 m (23'0") boom, 3.4 m (11'2") arm, and 1.89 m^3 (2.47 yd^3: SAE, PCSA heaped) bucket.

ZAXIS450LC:
Equipped with 7.0 m (23'0") boom, 3.4 m (11'2") arm, and 2.07 m^3 (2.71 yd^3: SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	42 500 kg (93 700 lb)	79 kPa (0.81 kgf/cm^2, 11.5 psi)
		44 800 kg (98 800 lb)	76 kPa (0.77 kgf/cm^2, 10.9 psi)
	750 mm (30")	43 200 kg (95 200 lb)	64 kPa (0.65 kgf/cm^2, 9.24 psi)
		45 500 kg (100 300 lb)	62 kPa (0.63 kgf/cm^2, 8.96 psi)
	900 mm (35")	43 900 kg (96 700 lb)	54 kPa (0.55 kgf/cm^2, 7.88 psi)
		46 200 kg (101 900 lb)	52 kPa (0.53 kgf/cm^2, 7.54 psi)

Figures in ☐ are data on the ZAXIS450LC.

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

ZAXIS450H/ZAXIS450LCH:
Equipped with 7.0 m (23'0") H-boom, 3.4 m (11'2") H-arm, and 1.89 m^3 (2.47 yd^3: SAE, PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	43 800 kg (96 600 lb)	81 kPa (0.83 kgf/cm^2, 11.8 psi)
		45 800 kg (101 000 lb)	78 kPa (0.79 kgf/cm^2, 11.2 psi)

Figures in ☐ are data on the ZAXIS450LCH.

ZAXIS480MT:
Equipped with 7.0 m (23'0") boom, 3.4 m (11'2") arm, and 2.07 m^3 (2.71 yd^3: SAE, PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	47 300 kg (104 300 lb)	84 kPa (0.85 kgf/cm^2, 12.1 psi)
	750 mm (30")	48 100 kg (106 000 lb)	68 kPa (0.69 kgf/cm^2, 9.85 psi)

ZAXIS480MTH:
Equipped with 7.0 m (23'0") H-boom, 3.4 m (11'2") H-arm, and 1.89 m^3 (2.47 yd^3: SAE, PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	48 500 kg (106 900 lb)	86 kPa (0.87 kgf/cm^2, 12.4 psi)

Loading Shovel

ZAXIS450:
Equipped with 2.6 m^3 (3.40 yd^3) bottom dump bucket

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	44 000 kg (97 000 lb)	82 kPa (0.83 kgf/cm^2, 11.8 psi)

ZAXIS450H:
Equipped with 2.3 m^3 (3.01 yd^3) bottom dump rock bucket

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	44 800 kg (98 800 lb)	83 kPa (0.85 kgf/cm^2, 12.1 psi)

Loading Shovel Buckets

Capacity	Max. width	No. of teeth	Weight	Type
2.3 m^3 (3.01 yd^3)	1 860 mm (73")	6	3 380 kg (7 450 lb)	Bottom dump type rock bucket
2.6 m^3 (3.40 yd^3)	2 030 mm (80")	6	3 050 kg (6 730 lb)	Bottom dump type general purpose bucket
2.6 m^3 (3.40 yd^3)	1 900 mm (75")	6	2 740 kg (6 040 lb)	Tilt dump type rock bucket
2.8 m^3 (3.66 yd^3)	2 000 mm (79")	6	2 820 kg (6 220 lb)	Tilt dump type general purpose bucket

SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	650.0	171.7	143.0
Engine coolant	61.0	16.1	13.4
Engine oil	55.0	14.5	12.1
Swing device (each side)	6.5	1.72	1.4
Travel device (each side)			
ZAXIS450(LC)/ZAXIS450H(LC)	11.0	2.9	2.4
ZAXIS480MT/ZAXIS480MTH	14.0	3.7	3.1
Hydraulic system	510.0	134.7	112.2
Hydraulic oil tank	280.0	74.0	61.6

BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. 7.0 m (23'0") boom, 6.3 m (20'8") BE boom, 2.5 m (8'2") BE, 2.9 m (9'6") BE, 2.9 m (9'6"), 3.4 m (11'2"), 3.9 m (12'10") and 4.9 m (16'1") arms are available. Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

ZAXIS450H and ZAXIS450LCH and ZAXIS480MTH are heavy-duty type featuring the reinforced H-boom and H-arm, and 1.89 m3 (2.47 yd3 : SAE, PCSA heaped) rock bucket.
Also, 6.3 m (20'8") BE boom and 2.5 m (8'2") BE, 2.9 m (9'6") BE arm are available.

*A variety of front-equipments that meet the quarry specification is provided.

LOADING SHOVEL ATTACHMENTS

Boom and arm are of all-welded, low-stress full-box section design. Efficient, automatic horizontal crowding achieved by one-lever control because the parallel link mechanism keeps the bucket digging angle constant, and the level cylinder circuit maintains the bucket height constant.

Backhoe Buckets

■ZAXIS450 / ZAXIS450H

Capacity		Width		No.of teeth	Weight	Recommendation										
						ZAXIS450							ZAXIS450H*3			
						6.3 m (20'8") BE-boom		7.0 m (23'0") boom				8.2 m (26'11") boom	6.3 m (20'8") BE-boom		7.0 m (23'0") H-boom	
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	4.9 m (16'1") arm	2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") BE-arm	3.4 m (11'2") H-arm
1.15 m³ (1.50 yd³)	1.00 m³	1 100 mm (43")	1 210 mm (47")	5	1 070 kg (2 300 lb)	—	—	—	—	—	◎	◎	—	—	—	—
1.36 m³ (1.78 yd³)	1.20 m³	1 280 mm (50")	1 410 mm (55")	5	1 170 kg (2 500 lb)	—	—	—	—	—	◎	—	—	—	—	—
1.60 m³ (2.09 yd³)	1.40 m³	1 220 mm (48")	1 360 mm (53")	5	1 460 kg (3 200 lb)	—	—	◎	◎	◎	—	—	—	—	◎	◎
1.89 m³ (2.47 yd³)	1.70 m³	1 400 mm (55")	1 540 mm (60")	5	1 570 kg (3 400 lb)	—	—	◎	◎	○	—	—	—	—	◎	◎
2.07 m³ (2.71 yd³)	1.80 m³	1 490 mm (58")	1 630 mm (64")	5	1 630 kg (3 500 lb)	—	—	◎	○	—	—	—	—	—	○	○
2.28 m³ (2.98 yd³)	2.00 m³	1 520 mm (59")	1 660 mm (65")	5	1 780 kg (3 900 lb)	—	—	○	—	—	—	—	—	—	○	—
2.49 m³ (3.26 yd³)	2.20 m³	1 690 mm (66")	1 830 mm (72")	5	1 850 kg (4 000 lb)	◎	◎	—	—	—	—	—	◎	◎	—	—
2.65 m³ (3.47 yd³)	2.30 m³	1 720 mm (67")	1 860 mm (73")	5	1 910 kg (4 200 lb)	◎	◎	—	—	—	—	—	◎	◎	—	—
*1 1.89 m³ (2.47 yd³)	1.70 m³	1 440 mm (56")	1 460 mm (57")	5	2 070 kg (4 500 lb)	—	—	—	—	—	—	—	●	●	●	●
*1 2.07 m³ (2.71 yd³)	1.80 m³	1 520 mm (59")	1 540 mm (60")	5	2 140 kg (4 700 lb)	—	—	—	—	—	—	—	●	●	●	—
*1 2.49 m³ (3.26 yd³)	2.20 m³	1 800 mm (70")	1 820 mm (71")	5	2 365 kg (5 200 lb)	—	—	—	—	—	—	—	●	●	—	—
*2 1.36 m³ (1.78 yd³)	1.20 m³	1 170 mm (46")	—	3	2 330 kg (5 100 lb)	—	—	—	—	—	—	—	●	●	●	●
One-point ripper				1	1 260 kg (2 700 lb)	—	—	—	—	—	—	—	●	●	●	●

*1 Rock bucket
*2 Ripper bucket
*3 Identical to Quarry specifications (Q.S.)

◎ 1 800 kg/m³ (3 030 lb/yd³)
○ 1 600 kg/m³ (2 700 lb/yd³)
● Heavy-duty
— Not applicable

■ZAXIS450LC / ZAXIS450LCH

Capacity		Width		No.of teeth	Weight	Recommendation										
						ZAXIS450LC							ZAXIS450LCH*3			
						6.3 m (20'8") BE-boom		7.0 m (23'0") boom				8.2 m (26'11") boom	6.3 m (20'8") BE-boom		7.0 m (23'0") H-boom	
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	4.9 m (16'1") arm	2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") BE-arm	3.4 m (11'2") H-arm
1.15 m³ (1.50 yd³)	1.00 m³	1 100 mm (43")	1 210 mm (47")	5	1 070 kg (2 300 lb)	—	—	—	—	—	◎	◎	—	—	—	—
1.36 m³ (1.78 yd³)	1.20 m³	1 280 mm (50")	1 410 mm (55")	5	1 170 kg (2 500 lb)	—	—	—	—	—	◎	—	—	—	—	—
1.60 m³ (2.09 yd³)	1.40 m³	1 220 mm (48")	1 360 mm (53")	5	1 460 kg (3 200 lb)	—	—	◎	◎	◎	—	—	—	—	◎	◎
1.89 m³ (2.47 yd³)	1.70 m³	1 400 mm (55")	1 540 mm (60")	5	1 570 kg (3 400 lb)	—	—	◎	◎	◎	—	—	—	—	◎	◎
2.07 m³ (2.71 yd³)	1.80 m³	1 490 mm (58")	1 630 mm (64")	5	1 630 kg (3 500 lb)	—	—	◎	◎	○	—	—	—	—	○	○
2.28 m³ (2.98 yd³)	2.00 m³	1 520 mm (59")	1 660 mm (65")	5	1 780 kg (3 900 lb)	—	—	◎	○	—	—	—	—	—	○	○
2.49 m³ (3.26 yd³)	2.20 m³	1 690 mm (66")	1 830 mm (72")	5	1 850 kg (4 000 lb)	◎	◎	—	—	—	—	—	◎	◎	—	—
2.65 m³ (3.47 yd³)	2.30 m³	1 720 mm (67")	1 860 mm (73")	5	1 910 kg (4 200 lb)	◎	◎	—	—	—	—	—	◎	◎	—	—
*1 1.89 m³ (2.47 yd³)	1.70 m³	1 440 mm (56")	1 460 mm (57")	5	2 070 kg (4 500 lb)	—	—	—	—	—	—	—	●	●	●	●
*1 2.07 m³ (2.71 yd³)	1.80 m³	1 520 mm (59")	1 540 mm (60")	5	2 140 kg (4 700 lb)	—	—	—	—	—	—	—	●	●	●	—
*1 2.49 m³ (3.26 yd³)	2.20 m³	1 800 mm (70")	1 820 mm (71")	5	2 365 kg (5 200 lb)	—	—	—	—	—	—	—	●	●	—	—
*2 1.36 m³ (1.78 yd³)	1.20 m³	1 170 mm (46")	—	3	2 330 kg (5 100 lb)	—	—	—	—	—	—	—	●	●	●	●
One-point ripper				1	1 260 kg (2 700 lb)	—	—	—	—	—	—	—	●	●	●	●

*1 Rock bucket
*2 Ripper bucket
*3 Identical to Quarry specifications (Q.S.)

◎ 1 800 kg/m³ (3 030 lb/yd³)
○ 1 600 kg/m³ (2 700 lb/yd³)
● Heavy-duty
— Not applicable

■ZAXIS480MT / ZAXIS480MTH

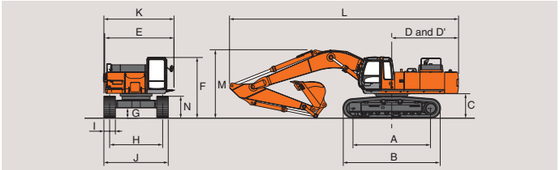
Capacity		Width		No.of teeth	Weight	Recommendation										
						ZAXIS480MT							ZAXIS480MTH*3			
						6.3 m (20'8") BE-boom		7.0 m (23'0") boom				8.2 m (26'11") boom	6.3 m (20'8") BE-boom		7.0 m (23'0") H-boom	
SAE, PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	4.9 m (16'1") arm	2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") BE-arm	3.4 m (11'2") H-arm
1.15 m³ (1.50 yd³)	1.00 m³	1 100 mm (43")	1 210 mm (47")	5	1 070 kg (2 300 lb)	—	—	—	—	—	◎	◎	—	—	—	—
1.36 m³ (1.78 yd³)	1.20 m³	1 280 mm (50")	1 410 mm (55")	5	1 170 kg (2 500 lb)	—	—	—	—	—	◎	—	—	—	—	—
1.60 m³ (2.09 yd³)	1.40 m³	1 220 mm (48")	1 360 mm (53")	5	1 460 kg (3 200 lb)	—	—	◎	◎	◎	—	—	—	—	◎	◎
1.89 m³ (2.47 yd³)	1.70 m³	1 400 mm (55")	1 540 mm (60")	5	1 570 kg (3 400 lb)	—	—	◎	◎	◎	—	—	—	—	◎	◎
2.07 m³ (2.71 yd³)	1.80 m³	1 490 mm (58")	1 630 mm (64")	5	1 630 kg (3 500 lb)	—	—	◎	◎	○	—	—	—	—	○	○
2.28 m³ (2.98 yd³)	2.00 m³	1 520 mm (59")	1 660 mm (65")	5	1 780 kg (3 900 lb)	—	—	◎	○	—	—	—	—	—	○	○
2.49 m³ (3.26 yd³)	2.20 m³	1 690 mm (66")	1 830 mm (72")	5	1 850 kg (4 000 lb)	◎	◎	—	—	—	—	—	◎	◎	—	—
2.65 m³ (3.47 yd³)	2.30 m³	1 720 mm (67")	1 860 mm (73")	5	1 910 kg (4 200 lb)	◎	◎	—	—	—	—	—	◎	◎	—	—
*1 1.89 m³ (2.47 yd³)	1.70 m³	1 440 mm (56")	1 460 mm (57")	5	2 070 kg (4 500 lb)	—	—	—	—	—	—	—	●	●	●	●
*1 2.07 m³ (2.71 yd³)	1.80 m³	1 520 mm (59")	1 540 mm (60")	5	2 140 kg (4 700 lb)	—	—	—	—	—	—	—	●	●	●	●
*1 2.49 m³ (3.26 yd³)	2.20 m³	1 800 mm (70")	1 820 mm (71")	5	2 365 kg (5 200 lb)	—	—	—	—	—	—	—	●	●	—	—
*2 1.36 m³ (1.78 yd³)	1.20 m³	1 170 mm (46")	—	3	2 330 kg (5 100 lb)	—	—	—	—	—	—	—	●	●	●	●
One-point ripper				1	1 260 kg (2 700 lb)	—	—	—	—	—	—	—	●	●	●	●

*1 Rock bucket
*2 Ripper bucket
*3 Identical to Quarry specifications (Q.S.)

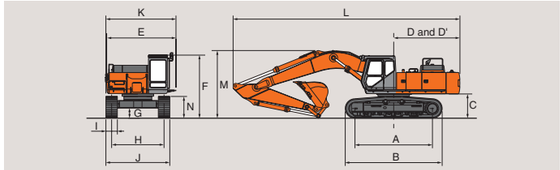
◎ 1 800 kg/m³ (3 030 lb/yd³)
○ 1 600 kg/m³ (2 700 lb/yd³)
● Heavy-duty
— Not applicable

DIMENSIONS

■ZAXIS450 / ZAXIS450LC



■ZAXIS450H / ZAXIS450LCH



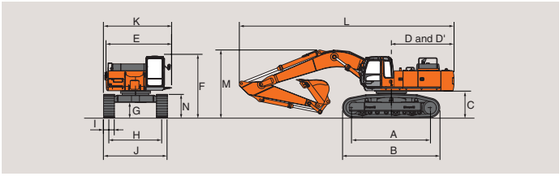
Unit: mm (ft in)

		ZAXIS450 *2	ZAXIS450LC *2	ZAXIS450H *3	ZAXIS450LCH *3
A	Distance between tumblers	4 050 (13'3")	4 470 (14'8")	4 050 (13'3")	4 470 (14'8")
B	Undercarriage length	5 050 (16'7")	5 470 (17'11")	5 050 (16'7")	5 470 (17'11")
*1 C	Counterweight clearance	1 230 (4'0")	1 350 (4'5")	1 230 (4'0")	1 350 (4'5")
D	Rear-end swing radius	3 500 (11'6")		3 500 (11'6")	
D'	Rear-end length	3 480 (11'5")		3 480 (11'5")	
E	Overall width of upperstructure	3 610 (11'10")		3 610 (11'10")	
F	Overall height of cab	3 260 (10'8")	3 380 (11'1")	3 250 (10'8")	3 370 (11'1")
*1 G	Min. ground clearance	496 (1'8")	738 (2'5")	496 (1'8")	738 (2'5")
H	Track gauge : Extended / Retracted	2 740 (9'0") / —	2 890 (9'6") / 2 390 (7'10")	2 740 (9'0") / —	2 890 (9'6") / 2 390 (7'10")
I	Track shoe width	G 600 (24")	G 600 (24") G 750 (30") G 900 (35")	G 600 (24")	
J	Undercarriage width	3 340 (10'11")	—	3 340 (10'11")	—
	Extended / Retracted	—	3 490 (11'5") / 2 990 (9'10") 3 640 (11'11") / 3 140 (10'4") 3 790 (12'5") / 3 290 (10'10")	—	3 490 (11'5") / 2 990 (9'10")
K	Overall width	3 670 (12'0")	3 750 (12'4")	3 670 (12'0")	3 750 (12'4")
L	Overall length	11 850 (38'11")	11 820 (38'9")	11 850 (38'11")	11 820 (38'9")
M	Overall height of boom	3 450 (11'4")	3 480 (11'5")	3 450 (11'4")	3 480 (11'5")
N	Track height	1 140 (3'9")	1 220 (4'0")	1 140 (3'9")	1 210 (4'0")

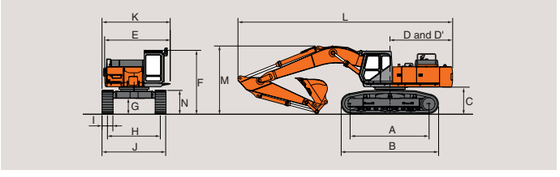
Notes: *1 Excluding track shoe lug.
*2 Equipped with 7.0 m (23'0") boom and 3.4 m (11'2") arm
*3 Equipped with 7.0 m (23'0") H-boom and 3.4 m (11'2") H-arm
Identical to Quarry specifications (Q.S.)

G: Triple grouser shoe

■ZAXIS480MT



■ZAXIS480MTH



Unit: mm (ft in)

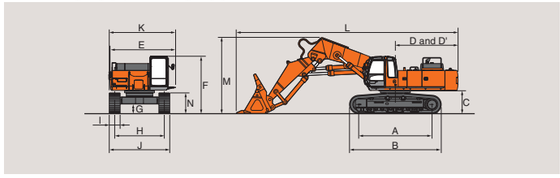
		ZAXIS480MT	ZAXIS480MTH*2
A	Distance between tumblers	4 250 (13'11")	
B	Undercarriage length	5 330 (17'6")	
*1 C	Counterweight clearance	1 430 (4'8")	
D	Rear-end swing radius	3 500 (11'6")	
D'	Rear-end length	3 480 (11'5")	
E	Overall width of upperstructure	3 610 (11'10")	
F	Overall height of cab	3 460 (11'4")	3 450 (11'4")
*1 G	Min. ground clearance	810 (2'8")	
H	Track gauge	2 920 (9'7")	
I	Track shoe width	G 600 (24")	
J	Undercarriage width Extended / Retracted	3 520 (11'7") / 3 020 (9'11")	
K	Overall width	3 770 (12'4")	
L	Overall length	11 820 (38'9")	
M	Overall height of boom	3 500 (11'6")	
N	Track height	1 310 (4'4")	

Notes: *1 Excluding track shoe lug.
*2 Identical to Quarry specifications (Q.S.)

G: Triple grouser shoe

DIMENSIONS (LOADING SHOVEL)

■ZAXIS450 / ZAXIS450H



Unit: mm (ft in)

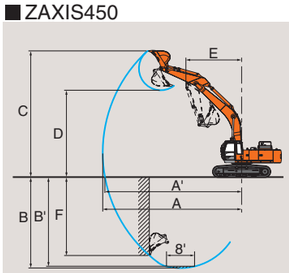
		ZAXIS450	ZAXIS450H *2
A	Distance between tumblers	4 050 (13'3")	
B	Undercarriage length	5 050 (16'7")	
*1 C	Counterweight clearance	1 230 (4'0")	
D	Rear-end swing radius	3 500 (11'6")	
D'	Rear-end length	3 480 (11'5")	
E	Overall width of upperstructure	3 610 (11'10")	
F	Overall height of cab	3 260 (10'8")	3 250 (10'8")
*1 G	Min. ground clearance	496 (19.5")	
H	Track gauge	2 740 (9'0")	
I	Track shoe width	G 600 (24")	
J	Undercarriage width	3 340 (10'11")	
K	Overall width	3 670 (12'0")	
L	Overall length	11 930 (39'2")	
M	Overall height of boom	4 000 (13'1")	
N	Track height	1 140 (3'9")	

Notes: *1 Excluding track shoe lug.
*2 Identical to Quarry specifications (Q.S.)

G: Triple grouser shoe

WORKING RANGES

■ ZAXIS450

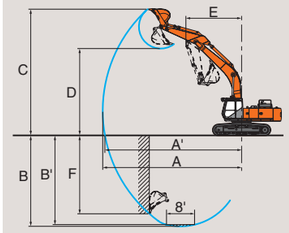


Unit: mm (ft in) / kN(kgf , lb)

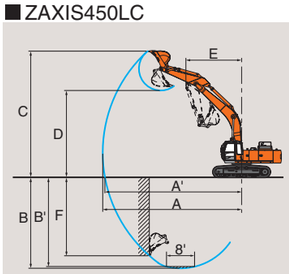
Arm length		ZAXIS450							ZAXIS450H*			
		6.3 m (20'8") BE-boom		7.0 m (23'0") boom				8.2 m (26'11") boom	6.3 m (20'8") BE-boom		7.0 m (23'0") H-boom	
		2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	4.9 m (16'1") arm	2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") BE-arm	3.4 m (11'2") H-arm
A Max. digging reach		10 560 (34'8")	10 840 (35'7")	11 390 (37'4")	12 050 (39'6")	12 480 (40'11")	13 380 (43'11")	14 510 (47'7")	10 470 (34'4")	10 750 (35'3")	11 330 (37'2")	12 050 (39'6")
A' Max. digging reach (on ground)		10 340 (33'11")	10 620 (34'10")	11 180 (36'8")	11 860 (38'11")	12 290 (40'4")	13 200 (43'4")	14 350 (47'1")	10 240 (33'7")	10 530 (34'7")	11 120 (36'6")	11 860 (38'11")
B Max. digging depth		6 020 (19'9")	6 350 (20'10")	7 390 (24'3")	7 890 (25'11")	8 390 (27'6")	9 240 (30'4")	10 360 (33'12")	5 920 (19'5")	6 260 (20'6")	7 330 (24'1")	7 890 (25'11")
B' Max. digging depth (8' level)		5 840 (19'2")	6 190 (20'4")	7 190 (23'7")	7 750 (25'5")	8 260 (27'1")	9 120 (29'11")	10 240 (33'7")	5 750 (18'10")	6 100 (20'0")	7 130 (23'5")	7 750 (25'5")
C Max. cutting height		10 620 (34'10")	10 760 (35'4")	10 150 (33'4")	10 950 (35'11")	11 050 (36'3")	11 730 (38'6")	12 110 (39'9")	10 520 (34'6")	10 650 (34'11")	10 030 (32'11")	10 950 (35'11")
D Max. dumping height		7 100 (23'4")	7 220 (23'8")	6 910 (22'8")	7 540 (24'9")	7 660 (25'2")	8 640 (28'4")	9 090 (29'10")	7 190 (23'7")	7 310 (24'0")	6 970 (22'10")	7 540 (24'9")
E Min. swing radius		4 070 (13'4")	3 900 (12'10")	4 920 (16'2")	4 840 (15'11")	4 810 (15'9")	4 820 (15'10")	5 880 (19'3")	4 070 (13'4")	3 900 (12'10")	4 930 (16'2")	4 840 (15'11")
F Max. vertical wall		4 810 (15'9")	5 210 (17'1")	5 460 (17'11")	6 780 (22'3")	7 170 (23'6")	8 580 (28'2")	9 560 (31'4")	4 180 (13'9")	4 580 (15'0")	4 170 (13'8")	6 780 (22'3")
Bucket digging force	ISO	258 (26 300, 57 900)	248 (25 300, 55 700)	245 (25 000, 55 100)	247 (25 200, 55 500)	247 (25 200, 55 500)	204 (20 900, 46 000)	204 (20 900, 46 000)	258 (26 300, 57 900)	248 (25 300, 55 700)	256 (26 100, 57 500)	256 (26 100, 57 500)
	POWER BOOST	271 (27 600, 60 800)	260 (26 500, 58 400)	257 (26 200, 57 700)	259 (26 400, 58 200)	259 (26 400, 58 200)	214 (21 900, 48 200)	214 (21 900, 48 200)	271 (27 600, 60 800)	260 (26 500, 58 400)	269 (27 400, 60 400)	269 (27 400, 60 400)
	SAE : PCSA	228 (23 300, 51 300)	223 (22 800, 50 200)	221 (22 500, 49 600)	222 (22 700, 50 000)	222 (22 700, 50 000)	183 (18 700, 41 200)	183 (18 700, 41 200)	228 (23 300, 51 300)	223 (22 800, 50 200)	230 (23 400, 51 500)	230 (23 400, 51 500)
	POWER BOOST	239 (27 600, 60 800)	234 (23 900, 52 600)	232 (23 600, 52 000)	233 (23 800, 52 400)	233 (23 800, 52 400)	192 (19 600, 43 200)	192 (19 600, 43 200)	239 (27 600, 60 800)	234 (23 900, 52 600)	241 (24 600, 54 200)	241 (24 600, 54 200)
Arm digging force	ISO	258 (26 300, 57 900)	221 (22 600, 49 800)	223 (22 800, 50 200)	191 (19 400, 42 700)	172 (17 600, 38 800)	152 (15 500, 34 100)	152 (15 500, 34 100)	258 (26 300, 57 900)	221 (22 600, 49 800)	223 (22 800, 50 200)	193 (19 600, 43 200)
	POWER BOOST	271 (27 600, 60 800)	232 (23 700, 52 200)	234 (23 900, 52 600)	200 (20 400, 44 900)	181 (18 500, 40 700)	160 (16 300, 35 900)	160 (16 300, 35 900)	271 (27 600, 60 800)	232 (23 700, 52 200)	234 (23 900, 52 600)	202 (20 600, 45 400)
	SAE : PCSA	245 (25 000, 55 100)	214 (21 800, 48 000)	217 (22 100, 48 700)	185 (18 900, 41 600)	169 (17 200, 37 900)	150 (15 200, 33 500)	150 (15 200, 33 500)	245 (25 000, 55 100)	214 (21 800, 48 000)	217 (22 100, 48 700)	188 (19 200, 42 300)
	POWER BOOST	257 (26 200, 57 700)	225 (23 000, 50 700)	228 (23 200, 51 100)	194 (19 800, 43 600)	177 (18 000, 39 600)	157 (16 000, 35 200)	157 (16 000, 35 200)	257 (26 200, 57 700)	225 (23 000, 50 700)	228 (23 200, 51 100)	197 (20 100, 44 300)

Excluding track shoe lug
* Identical to Quarry specifications (Q.S.)

■ ZAXIS450H



■ ZAXIS450LC

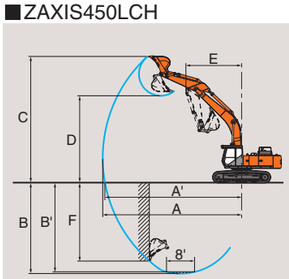


Unit: mm (ft in) / kN(kgf , lb)

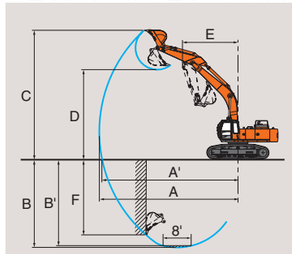
Arm length		ZAXIS450LC							ZAXIS450LCH*			
		6.3 m (20'8") BE-boom		7.0 m (23'0") boom				8.2 m (26'11") boom	6.3 m (20'8") BE-boom		7.0 m (23'0") H-boom	
		2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	4.9 m (16'1") arm	2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") BE-arm	3.4 m (11'2") H-arm
A Max. digging reach		10 550 (34'7")	10 930 (35'10")	11 420 (37'6")	12 050 (39'6")	12 480 (40'11")	13 380 (43'11")	14 510 (47'7")	10 460 (34'4")	10 840 (35'7")	11 420 (37'6")	12 050 (39'6")
A' Max. digging reach (on ground)		10 310 (33'10")	10 690 (35'1")	11 190 (36'9")	11 810 (38'9")	12 270 (40'3")	13 180 (43'3")	14 280 (46'10")	10 210 (33'6")	10 600 (34'9")	11 190 (36'9")	11 810 (38'9")
B Max. digging depth		5 900 (19'4")	6 320 (20'9")	7 300 (23'11")	7 760 (25'6")	8 260 (27'1")	9 110 (29'11")	10 230 (33'7")	5 800 (19'0")	6 230 (20'5")	7 300 (23'11")	7 760 (25'6")
B' Max. digging depth (8' level)		5 710 (18'9")	5 930 (19'5")	7 100 (23'4")	7 620 (25'0")	8 130 (26'8")	9 000 (29'6")	10 120 (33'2")	5 620 (18'5")	5 840 (19'2")	7 100 (23'4")	7 620 (25'0")
C Max. cutting height		10 750 (35'3")	11 000 (36'1")	10 270 (33'8")	11 080 (36'4")	11 180 (36'8")	11 850 (38'11")	12 230 (40'1")	10 650 (34'11")	10 890 (35'9")	10 270 (33'8")	11 080 (36'4")
D Max. dumping height		7 220 (23'8")	7 250 (23'9")	7 040 (23'1")	7 660 (25'2")	7 780 (25'6")	8 770 (28'9")	9 210 (30'3")	7 310 (24'0")	7 340 (24'1")	7 040 (23'1")	7 660 (25'2")
E Min. swing radius		4 070 (13'4")	3 920 (12'10")	4 920 (16'2")	4 840 (15'11")	4 810 (15'9")	4 820 (15'10")	5 880 (19'3")	4 070 (13'4")	3 920 (12'10")	4 920 (16'2")	4 840 (15'11")
F Max. vertical wall		4 890 (16'1")	5 580 (18'4")	4 780 (15'8")	6 660 (21'10")	7 040 (23'1")	8 450 (27'9")	9 440 (31'0")	4 260 (14'0")	4 950 (16'3")	4 780 (15'8")	6 600 (21'8")
Bucket digging force	ISO	258 (26 300, 57 900)	248 (25 300, 55 700)	245 (25 000, 55 100)	247 (25 200, 55 500)	247 (25 200, 55 500)	204 (20 900, 46 000)	204 (20 900, 46 000)	258 (26 300, 57 900)	248 (25 300, 55 700)	256 (26 100, 57 500)	256 (26 100, 57 500)
	POWER BOOST	271 (27 600, 60 800)	260 (26 500, 58 400)	257 (26 200, 57 700)	259 (26 400, 58 200)	259 (26 400, 58 200)	214 (21 900, 48 200)	214 (21 900, 48 200)	271 (27 600, 60 800)	260 (26 500, 58 400)	269 (27 400, 60 400)	269 (27 400, 60 400)
	SAE : PCSA	228 (23 300, 51 300)	223 (22 800, 50 200)	221 (22 500, 49 600)	222 (22 700, 50 000)	222 (22 700, 50 000)	183 (18 700, 41 200)	183 (18 700, 41 200)	228 (23 300, 51 300)	223 (22 800, 50 200)	230 (23 400, 51 500)	230 (23 400, 51 500)
	POWER BOOST	239 (27 600, 60 800)	234 (23 900, 52 600)	232 (23 600, 52 000)	233 (23 800, 52 400)	233 (23 800, 52 400)	192 (19 600, 43 200)	192 (19 600, 43 200)	239 (27 600, 60 800)	234 (23 900, 52 600)	241 (24 600, 54 200)	241 (24 600, 54 200)
Arm digging force	ISO	258 (26 300, 57 900)	221 (22 600, 49 800)	223 (22 800, 50 200)	191 (19 400, 42 700)	172 (17 600, 38 800)	152 (15 500, 34 100)	152 (15 500, 34 100)	258 (26 300, 57 900)	221 (22 600, 49 800)	223 (22 800, 50 200)	193 (19 600, 43 200)
	POWER BOOST	271 (27 600, 60 800)	232 (23 700, 52 200)	234 (23 900, 52 600)	200 (20 400, 44 900)	181 (18 500, 40 700)	160 (16 300, 35 900)	160 (16 300, 35 900)	271 (27 600, 60 800)	232 (23 700, 52 200)	234 (23 900, 52 600)	202 (20 600, 45 400)
	SAE : PCSA	245 (25 000, 55 100)	214 (21 800, 48 000)	217 (22 100, 48 700)	185 (18 900, 41 600)	169 (17 200, 37 900)	150 (15 200, 33 500)	150 (15 200, 33 500)	245 (25 000, 55 100)	214 (21 800, 48 000)	217 (22 100, 48 700)	188 (19 200, 42 300)
	POWER BOOST	257 (26 200, 57 700)	225 (23 000, 50 700)	228 (23 200, 51 100)	194 (19 800, 43 600)	177 (18 000, 39 600)	157 (16 000, 35 200)	157 (16 000, 35 200)	257 (26 200, 57 700)	225 (23 000, 50 700)	228 (23 200, 51 100)	197 (20 100, 44 300)

Excluding track shoe lug
* Identical to Quarry specifications (Q.S.)

■ ZAXIS450LCH



■ ZAXIS480MT / ZAXIS480MTH



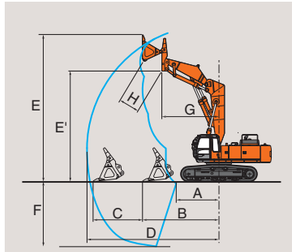
Unit: mm (ft in) / kN(kgf , lb)

Arm length		ZAXIS480MT							ZAXIS480MTH*			
		6.3 m (20'8") BE-boom		7.0 m (23'0") boom				8.2 m (26'11") boom	6.3 m (20'8") BE-boom		7.0 m (23'0") H-boom	
		2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	4.9 m (16'1") arm	2.5 m (8'2") BE-arm	2.9 m (9'6") BE-arm	2.9 m (9'6") BE-arm	3.4 m (11'2") H-arm
A Max. digging reach		10 560 (34'8")	10 840 (35'7")	11 420 (37'6")	12 050 (39'6")	12 480 (40'11")	13 340 (43'9")	14 510 (47'7")	10 470 (34'4")	10 750 (35'3")	11 330 (37'2")	12 050 (39'6")
A' Max. digging reach (on ground)		10 300 (33'10")	10 580 (34'9")	11 170 (36'8")	11 820 (38'9")	12 250 (40'2")	13 130 (43'1")	14 320 (47'0")	10 200 (33'6")	10 490 (34'5")	11 080 (36'4")	11 820 (38'9")
B Max. digging depth		5 820 (19'1")	6 150 (20'2")	7 220 (23'8")	7 690 (25'3")	8 190 (26'10")	9 040 (29'8")	10 160 (33'4")	5 720 (18'9")	6 060 (19'11")	7 130 (23'5")	7 690 (25'3")
B' Max. digging depth (8' level)		5 640 (18'6")	5 990 (19'8")	7 020 (23'0")	7 550 (24'9")	8 060 (26'5")	8 920 (29'3")	10 040 (32'11")	5 550 (18'3")	5 900 (19'4")	6 930 (22'9")	7 550 (24'9")
C Max. cutting height		10 830 (35'6")	10 970 (36'0")	10 340 (33'11")	11 160 (36'7")	11 250 (36'11")	11 800 (38'9")	12 310 (40'5")	10 730 (35'2")	10 860 (35'8")	10 240 (33'7")	11 160 (36'7")
D Max. dumping height		7 300 (23'11")	7 420 (24'4")	7 080 (23'3")	7 740 (25'5")	7 860 (25'9")	8 740 (28'8")	9 290 (30'6")	7 390 (24'3")	7 510 (24'8")	7 170 (23'6")	7 740 (25'5")
E Min. swing radius		4 070 (13'4")	3 900 (12'10")	4 930 (16'2")	4 840 (15'11")	4 810 (15'9")	4 820 (15'10")	5 820 (19'1")	4 070 (13'4")	3 900 (12'10")	4 930 (16'2")	4 840 (15'11")
F Max. vertical wall		4 620 (15'2")	5 020 (16'6")	4 710 (15'5")	6 590 (21'7")	6 970 (22'10")	8 380 (27'6")	9 370 (30'9")	3 990 (13'1")	4 390 (14'5")	3 980 (13'1")	6 590 (21'7")
Bucket digging force	ISO	258 (26 300, 57 900)	248 (25 300, 55 700)	245 (25 000, 55 100)	247 (25 200, 55 500)	247 (25 200, 55 500)	204 (20 900, 46 000)	204 (20 900, 46 000)	258 (26 300, 57 900)	248 (25 300, 55 700)	256 (26 100, 57 500)	256 (26 100, 57 500)
	POWER BOOST	271 (27 600, 60 800)	260 (26 500, 58 400)	257 (26 200, 57 700)	259 (26 400, 58 200)	259 (26 400, 58 200)	214 (21 900, 48 200)	214 (21 900, 48 200)	271 (27 600, 60 800)	260 (26 500, 58 400)	269 (27 400, 60 400)	269 (27 400, 60 400)
	SAE : PCSA	228 (23 300, 51 300)	223 (22 800, 50 200)	221 (22 500, 49 600)	222 (22 700, 50 000)	222 (22 700, 50 000)	183 (18 700, 41 200)	183 (18 700, 41 200)	228 (23 300, 51 300)	223 (22 800, 50 200)	230 (23 400, 51 500)	230 (23 400, 51 500)
	POWER BOOST	239 (27 600, 60 800)	234 (23 900, 52 600)	232 (23 600, 52 000)	233 (23 800, 52 400)	233 (23 800, 52 400)	192 (19 600, 43 200)	192 (19 600, 43 200)	239 (27 600, 60 800)	234 (23 900, 52 600)	241 (24 600, 54 200)	241 (24 600, 54 200)
Arm digging force	ISO	258 (26 300, 57 900)	221 (22 600, 49 800)	223 (22 800, 50 200)	191 (19 400, 42 700)	172 (17 600, 38 800)	152 (15 500, 34 100)	152 (15 500, 34 100)	258 (26 300, 57 900)	221 (22 600, 49 800)	223 (22 800, 50 200)	193 (19 600, 43 200)
	POWER BOOST	271 (27 600, 60 800)	232 (23 700, 52 200)	234 (23 900, 52 600)	200 (20 400, 44 900)	181 (18 500, 40 700)	160 (16 300, 35 900)	160 (16 300, 35 900)	271 (27 600, 60 800)	232 (23 700, 52 200)	234 (23 900, 52 600)	202 (20 600, 45 400)
	SAE : PCSA	245 (25 000, 55 100)	214 (21 800, 48 000)	217 (22 100, 48 700)	185 (18 900, 41 600)	169 (17 200, 37 900)	150 (15 200, 33 500)	150 (15 200, 33 500)	245 (25 000, 55 100)	214 (21 800, 48 000)	217 (22 100, 48 700)	188 (19 200, 42 300)
	POWER BOOST	257 (26 200, 57 700)	225 (23 000, 50 700)	228 (23 200, 51 100)	194 (19 800, 43 600)	177 (18 000, 39 600)	157 (16 000, 35 200)	157 (16 000, 35 200)	257 (26 200, 57 700)	225 (23 000, 50 700)	228 (23 200, 51 100)	197 (20 100, 44 300)

Excluding track shoe lug
* Identical to Quarry specifications (Q.S.)

WORKING RANGES (LOADING SHOVEL)

■ ZAXIS450 / ZAXIS450H



Unit: mm (ft in) / kN(kgf , lbf)

Type of bucket	ZAXIS450 / ZAXIS450H*	
	Bottom dump type	Tilt dump type
A Min. digging distance	2 860 (9'5")	2 360 (7'9")
B Min. level crowding distance	5 070 (16'8")	5 030 (16'6")
C Level crowding distance	3 340 (10'11")	3 370 (11'1")
D Max. digging reach	8 760 (28'9")	8 720 (28'7")
E Max. cutting height	9 940 (32'7")	9 900 (32'6")
E' Max. dumping height	7 370 (24'2")	4 290 (14'1")
F Max. digging depth	4 260 (14'0")	4 230 (13'10")
G Working radius at max. dumping height	3 760 (12'4")	4 460 (14'8")
H Max. bucket opening width	1 390 (4'7")	—
Crowding force	271 kN (27 600 kgf, 60 900 lbf)	259 kN (26 400 kgf, 58 200 lbf)
Breakout force	271 kN (27 600 kgf, 60 900 lbf)	259 kN (26 400 kgf, 58 200 lbf)

Excluding track shoe lug
* Identical to Quarry specifications (Q.S.)

METRIC MEASURE

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

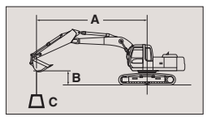
Conditions	Load point height	Load radius 4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		12 m		At max. reach		
																						meter
ZAXIS450	8 m																			*5.9	*5.9	9.2
																				6.0	*6.2	
	7 m									7.6	*8.5									5.2	*5.8	9.8
										7.6	*9.1									5.2	*6.2	
	6 m							*9.2	*9.2	7.5	*8.6									4.7	*5.9	10.3
								9.6	*9.8	7.5	*9.2									4.7	*5.3	
Boom 7.0 m	4 m			*15.1	*15.1	11.5	*12.3	8.9	*10.6	7.1	*9.5	5.7	*8.7							4.0	*6.2	10.8
Arm 2.9 m				15.3	*16.1	11.5	*13.1	8.9	*11.3	7.1	*10.1	5.7	8.9							4.0	6.4	
Bucket	2 m					10.2	*14.8	8.1	*12.3	6.6	10.4	5.4	8.5							3.8	6.2	10.9
SAE, PCSA: 2.07 m³						10.2	*15.8	8.1	12.9	6.6	10.4	5.4	8.5							3.8	6.2	
CECE : 1.80 m³	0 (Ground)			12.7	*16.8	9.6	15.8	7.6	12.3	6.2	9.9	5.1	8.2							3.9	6.4	10.5
Shoe 600 mm				12.7	*17.7	9.6	15.8	7.6	12.3	6.2	9.9	5.1	8.2							3.9	6.4	
	−2 m	*17.9	*17.9	12.8	*17.7	9.5	*15.2	7.4	12.1	6.0	9.8	5.0	8.1							4.6	7.4	9.6
		*18.9	*18.9	12.8	*18.9	9.5	15.6	7.4	12.1	6.0	9.8	5.0	8.1							4.6	7.4	
	−4 m	*16.6	*16.6	13.1	*14.9	9.7	*13.0	7.6	*11.1	6.2	*9.2											
		*17.7	*17.7	13.1	*15.9	9.7	*13.9	7.6	*11.9	6.2	*9.9											
	−6 m					*7.9	*7.9															
						*8.5	*8.5															
ZAXIS450	8 m									*7.1	*7.1									*4.0	*4.0	10.0
										*7.6	*7.6									*4.3	*4.3	
	7 m									7.8	*7.9	*5.6	*5.6							*4.0	*4.0	10.6
										7.8	*8.5	*6.0	*6.0							*4.2	*4.2	
	6 m									7.7	*8.1	6.1	*7.9							*4.0	*4.0	11.0
Boom 7.0 m										7.7	*9.7	6.1	*8.4							4.1	*4.2	
Arm 3.4 m	4 m			*14.0	*14.0	*11.6	*11.6	9.2	*10.1	7.3	*9.1	5.9	*8.4	4.7	7.5					3.6	*4.1	11.5
				*14.9	*14.9	11.8	*12.4	9.2	*10.8	7.3	*9.7	5.9	*9.0	4.7	7.5					3.6	*4.4	
Bucket	2 m			13.8	*18.4	10.6	*14.4	8.4	*11.9	6.7	*10.3	5.5	8.7	4.5	7.2					3.4	*4.4	11.5
SAE, PCSA: 1.89 m³				13.8	*19.6	10.6	*15.3	8.4	*12.7	6.7	10.6	5.5	8.7	4.5	7.2					3.4	*4.7	
CECE : 1.70 m³	0 (Ground)			12.9	*17.3	9.8	*15.8	7.8	12.5	6.3	10.1	5.2	8.3	4.3	7.0					3.6	*5.0	11.2
Shoe 600 mm				12.9	*18.3	9.8	16.0	7.8	12.5	6.3	10.1	5.2	8.3	4.3	7.0					3.6	*5.3	
	−2 m	*15.3	*15.3	12.8	*18.7	9.6	*15.6	7.5	12.2	6.1	9.9	5.0	8.2	4.2	6.9					4.1	*6.0	10.4
		*16.2	*16.2	12.8	*19.9	9.6	15.7	7.5	12.2	6.1	9.9	5.0	8.2	4.2	6.9					4.1	*6.4	
	−4 m	*18.7	*18.7	13.1	*16.2	9.7	*13.8	7.6	*11.8	6.1	9.9	5.1	*8.1									
		19.3	*19.9	13.1	*17.3	9.7	*14.8	7.6	12.3	6.1	9.9	5.1	8.3									
	−6 m	*12.8	*12.8	*11.4	*11.4	*9.8	*9.8	*7.8	*7.8													
		*13.8	*13.8	*12.2	*12.2	10.1	*10.5	8.0	*8.4													
ZAXIS450	8 m																			*3.4	*3.4	10.5
																				*3.6	*3.6	
	7 m											6.3	*6.6							*3.3	*3.3	11.0
												6.3	*7.0							*3.6	*3.6	
	6 m											6.3	*7.4	*4.8	*4.8					*3.3	*3.3	11.4
Boom 7.0 m												6.3	*7.9	5.0	*5.1					3.6	*3.6	
Arm 3.9 m	4 m							9.4	*9.5	7.4	*8.6	6.0	*8.0	4.8	*7.5					3.4	*3.4	11.9
								9.4	*10.2	7.4	*9.2	6.0	*8.6	4.8	7.6					3.4	*3.7	
Bucket	2 m			14.2	*17.3	10.8	*13.7	8.5	*11.5	6.8	*10.0	5.6	8.8	4.6	7.3	3.8	*5.3			3.2	*3.7	12.0
SAE, PCSA: 1.60 m³				14.2	*18.4	10.8	*14.6	8.5	*12.2	6.8	*10.6	5.6	8.8	4.6	7.3	3.8	*5.6			3.2	*4.0	
CECE : 1.40 m³	0 (Ground)			13.0	*19.5	9.9	*15.6	7.8	12.6	6.4	10.1	5.2	8.4	4.3	7.0					3.3	*4.2	11.6
Shoe 600 mm				13.0	*20.8	9.9	16.1	7.8	12.6	6.4	10.1	5.2	8.4	4.3	7.0					3.3	*4.5	
	−2 m	*15.4	*15.4	12.8	*19.1	9.5	15.7	7.5	12.2	6.1	9.8	5.0	8.2	4.2	6.9					3.7	*5.1	10.9
		*16.2	*16.2	12.8	*20.4	9.5	15.7	7.5	12.2	6.1	9.8	5.0	8.2	4.2	6.9					3.7	*5.4	
	−4 m	18.9	*20.3	12.9	*17.1	9.6	*14.4	7.5	12.2	6.1	9.8	5.0	8.2							4.7	*6.7	9.6
		18.9	*21.6	12.9	*18.2	9.6	*15.4	7.5	12.2	6.1	9.8	5.0	8.2							4.7	*7.2	
	−6 m	*15.0	*15.0	*13.0	*13.0	9.9	*11.1	7.8	*9.2													
		*16.1	*16.1	13.4	*13.9	9.9	*11.9	7.8	*9.9													
ZAXIS450	8 m													*4.9	*4.9					*3.2	*3.2	11.5
														*5.2	*5.2					*3.5	*3.5	
	7 m													5.7	*6.0					*3.2	*3.2	12.0
														5.7	*6.4					*3.4	*3.4	
	6 m													5.6	*6.7	4.6	*4.8			*3.2	*3.2	12.4
Boom 7.0 m														5.6	*7.1	4.6	*5.2			*3.4	*3.4	
Arm 4.9 m	4 m									*8.1	*8.1	6.6	*7.6	5.4	*7.2	4.5	*6.7			*3.2	*3.2	12.8
										8.1	*8.6	6.6	*8.1	5.4	*7.8	4.5	6.8			3.3	*3.5	
Bucket	2 m			*15.5	*15.5	11.8	*12.6	9.3	*10.8	7.5	*9.6	6.1	*8.7	5.1	7.8	4.3	6.6	3.6	*4.7	3.1	*3.4	12.9
SAE, PCSA: 1.36 m³				15.6	*16.4	11.8	*13.4	9.3	*11.5	7.5	*10.2	6.1	*9.2	5.1	7.8	4.3	6.6	3.6	*5.0	3.1	*3.7	
CECE : 1.20 m³	0 (Ground)	*11.3	*11.3	13.9	*19.0	10.6	*15.2	8.4	*12.6	6.9	10.7	5.7	8.9	4.8	7.5	4.0	6.4	3.4	*4.4	3.2	*3.8	12.6
Shoe 600 mm		*11.9	*11.9	13.9	*20.2	10.6	*16.1	8.4	13.2	6.9	10.7	5.7	8.9	4.8	7.5	4.0	6.4	3.4	*4.7	3.2	*4.1	
	−2 m	*14.6	*14.6	13.2	*20.0	10.0	16.2	8.0	12.6	6.5	10.3	5.4	8.6	4.6	7.3	3.9	6.3			3.5	*4.4	11.9
		15.4	*15.4	13.2	*21.2	10.0	16.2	8.0	12.6	6.5	10.3	5.4	8.6	4.6	7.3	3.9	6.3			3.5	*4.7	
	−4 m	18.9	*21.8	13.1	*19.0	9.8	*15.7	7.8	12.4	6.4	10.1	5.3	8.4	4.5	7.2					4.1	*5.5	10.8
		18.9	*23.0	13.1	*20.2	9.8	16.0	7.8	12.4	6.4	10.1	5.3	8.4	4.5	7.2					4.1	*5.9	
	−6 m	*19.3	*19.3	13.3	*16.1	10.0	*13.6	7.9	*11.5	6.5	*9.7	5.5	*7.9							5.7	*6.4	9.0
		19.4	*20.5	13.3	*17.1	10.0	*14.5	7.9	*12.3	6.5	10.2	5.5	*8.5							5.7	*6.9	
	−7 m			*13.6	*13.6	10.2	*11.5	8.1	*9.6	6.7	*7.7											
				13.6	*14.6	10.2	*12.3	8.1	*10.3	6.7	*8.2											

METRIC MEASURE

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

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS450	8 m							*7.5	*7.5											*5.9	*5.9	8.2
								*7.9	*7.9											*6.3	*6.3	
	7 m																					
	6 m							*10.3	*10.3	9.3	*9.7									5.2	*5.7	9.4
BE-boom 6.3 m								*11.0	*11.0	9.3	*10.3									5.2	*6.1	
BE-arm 2.5 m	4 m					*14.5	*14.5	11.3	*12.2	8.7	*10.7	6.8	*9.7							4.4	*5.9	10.0
Rock-bucket						15.4	*15.5	11.3	*13.0	8.7	*11.4	6.8	*10.4							4.4	*6.3	
SAE, PCSA: 2.65 m³	2 m							10.1	*14.4	7.9	*12.1	6.3	10.2	5.0	8.3					4.1	*6.4	10.1
CECE : 2.30 m³								10.1	*15.4	7.9	12.7	6.3	10.2	5.0	8.3					4.1	*6.8	
Shoe 600 mm	0 (Ground)							9.4	*15.4	7.4	12.1	5.9	9.8	4.8	8.0					4.3	7.2	9.7
								9.4	15.7	7.4	12.1	5.9	9.8	4.8	8.0					4.3	7.2	
	−2 m			18.7	*19.8	12.5	*17.3	9.3	*14.5	7.2	12.0	5.8	9.7							5.3	*7.8	8.7
				18.7	*21.2	12.5	*18.4	9.3	15.5	7.2	12.0	5.8	9.7							5.3	*8.2	
	−4 m					13.0	*13.3	9.6	*11.3	7.6	*8.9											
						13.0	*14.2	9.6	*12.1	7.6	*9.6											
	−6 m																					
ZAXIS450	8 m																					
	7 m									*8.9	*8.9									*3.5	*3.5	9.3
										*9.5	*9.5									*3.7	*3.7	
	6 m									*9.3	*9.3	*7.1	*7.1							*3.4	*3.4	9.7
Boom 6.3 m										9.4	*9.9	7.2	*7.6							*3.7	*3.7	
Arm 2.9 m	4 m					*13.9	*13.9	11.6	*11.8	8.9	*10.4	6.9	*9.5	5.4	*6.1					*3.6	*3.6	10.3
						*14.8	*14.8	11.6	*12.5	8.9	*11.1	6.9	*10.1	5.4	*6.5					*3.8	*3.8	
Bucket	2 m					13.8	*17.9	10.4	*14.2	8.1	*11.9	6.4	10.3	5.2	8.4					*3.9	*3.9	10.4
SAE, PCSA: 2.65 m³						13.8	*19.1	10.4	*15.2	8.1	*12.7	6.4	10.3	5.2	8.4					3.9	*4.2	
CECE : 2.30 m³	0 (Ground)					12.8	*19.3	9.6	*15.5	7.5	12.3	6.0	9.9	4.9	8.1					4.1	*4.6	10.0
Shoe 600 mm						12.8	*20.5	9.6	15.9	7.5	12.3	6.0	9.9	4.9	8.1					4.1	*4.9	
	−2 m	*18.7	*18.7	18.7	*21.2	12.6	*18.0	9.4	*15.0	7.3	12.1	5.9	9.7							5.0	*5.8	9.0
		*19.8	*19.8	18.7	*22.7	12.6	*19.2	9.4	15.6	7.3	12.1	5.9	9.7							5.0	*6.2	
	−4 m			*16.6	*16.6	13.0	*14.4	9.6	*12.2	7.5	*9.9											
				*17.8	*17.8	13.0	*15.4	9.6	*13.1	7.5	*10.7											
	−6 m																					
ZAXIS450H*2	8 m											*7.0	*7.0							*3.5	*3.5	10.1
												*7.5	*7.5							*3.8	*3.8	
	7 m											*7.3	*7.3	5.8	*5.8					*3.5	*3.5	10.7
												7.5	*7.9	5.8	*6.2					*3.7	*3.7	
	6 m											7.4	*7.6	5.8	*7.3					*3.5	*3.5	11.1
H-boom 7.0 m												7.4	*8.1	5.8	*7.8					3.7	*3.7	
H-arm 3.4 m	4 m					*13.6	*13.6	*11.2	*11.2	8.8	*9.6	6.9	*8.6	5.5	*7.8	4.3	7.1			3.2	*3.6	11.5
						*14.5	*14.5	11.5	*11.9	8.8	*10.3	6.9	*9.2	5.5	*8.4	4.3	7.1			3.2	*3.9	
Rock-bucket	2 m					13.3	*18.0	10.2	*13.9	7.9	*11.4	6.3	*9.8	5.1	8.3	4.1	6.8			3.0	*3.9	11.6
SAE, PCSA: 1.89 m³						13.3	*19.2	10.2	*14.8	7.9	*12.2	6.3	10.2	5.1	8.3	4.1	6.8			3.0	*4.2	
CECE : 1.70 m³	0 (Ground)					12.5	*16.2	9.4	*15.2	7.3	12.1	5.9	9.7	4.8	8.0	3.9	6.6			3.1	*4.5	11.2
Shoe 600 mm						12.5	*17.1	9.4	15.6	7.3	12.1	5.9	9.7	4.8	8.0	3.9	6.6			3.1	*4.8	
	−2 m			14.7	*14.7	12.4	*17.9	9.2	*14.9	7.1	11.8	5.7	9.5	4.6	7.8	3.8	6.5			3.6	*5.5	10.4
				15.6	*15.6	12.4	*19.1	9.2	15.4	7.1	11.8	5.7	9.5	4.6	7.8	3.8	6.5			3.6	*5.9	
	−4 m			17.6	*17.6	12.7	*15.3	9.3	*13.1	7.2	*11.1	5.7	*9.3	4.7	*7.5							
				18.8	*18.8	12.7	*16.4	9.3	*14.0	7.2	*11.9	5.7	9.5	4.7	7.9							
	−6 m					*10.4	*10.4	*8.9	*8.9	*7.0	*7.0											
						*11.2	*11.2	*9.6	*9.6	7.6	*7.6											
ZAXIS450H*2	8 m							*7.8	*7.8											*5.6	*5.6	8.3
								*8.2	*8.2											*6.0	*6.0	
	7 m																					
	6 m							*9.9	*9.9	9.0	*9.2									4.9	*5.4	9.4
BE-Boom 6.3 m								*10.6	*10.6	9.0	*9.9									4.9	*5.8	
BE-Arm 2.5 m	4 m					*14.3	*14.3	11.1	*11.8	8.4	*10.3	6.5	*9.3							4.1	*5.6	10.0
Rock-bucket						15.2	*15.2	11.1	*12.6	8.4	*11.0	6.5	*10.0							4.1	*5.9	
SAE, PCSA: 2.49 m³	2 m							9.9	*14.1	7.7	*11.7	6.0	9.9	4.8	8.0					3.8	*6.1	10.1
CECE : 2.20 m³								9.9	*15.1	7.7	12.5	6.0	9.9	4.8	8.0					3.8	*6.5	
Shoe 600 mm	0 (Ground)							9.2	*15.1	7.1	11.9	5.7	9.5	4.6	7.8					4.1	*7.0	9.6
								9.2	15.5	7.1	11.9	5.7	9.5	4.6	7.8					4.1	7.0	
	−2 m			18.6	*18.6	12.4	*16.7	9.1	*14.1	7.0	*11.8	5.6	9.5							5.1	*5.8	8.6
				18.6	*19.5	12.4	*17.9	9.1	*15.1	7.0	11.8	5.6	9.5							5.1	*6.2	
	−4 m					*12.6	*12.6	9.4	*10.7	7.3	*8.4											
						12.8	*13.6	9.4	*11.5	7.3	*9.1											
	−6 m																					

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. *2 Identical to Quarry specifications (Q.S.)



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

METRIC MEASURE

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

ZAXIS450H*2

BE-Boom 6.3 m / BE-Arm 2.9 m / Rock-bucket SAE, PCSA: 2.49 m³ / CECE : 2.20 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m																					
									*8.7	*8.7									*3.1	*3.1	9.3
7 m									*9.3	*9.3									*3.4	*3.4	
									*8.8	*8.8	7.0	*7.4							*3.1	*3.1	9.8
6 m									9.2	*9.5	7.0	*7.9							*3.4	*3.4	
					*13.6	*13.6	11.4	*11.4	8.6	*10.0	6.7	*9.1	5.2	*6.6					*3.2	*3.2	10.3
4 m					*14.5	*14.5	11.4	*12.2	8.6	*10.7	6.7	*9.7	5.2	*7.0					*3.5	*3.5	
					13.5	*17.7	10.2	*13.9	7.9	*11.6	6.2	*10.0	4.9	8.1					*3.6	*3.6	10.3
2 m					13.5	*18.9	10.2	*14.9	7.9	*12.4	6.2	10.1	4.9	8.1					3.7	*3.9	
					12.6	*18.9	9.4	*15.2	7.3	12.1	5.8	9.6	4.6	7.9					3.9	*4.3	9.9
0 (Ground)					12.6	*20.1	9.4	15.7	7.3	12.1	5.8	9.6	4.6	7.9					3.9	*4.6	
−2 m	*18.4	*18.4	*16.7	*16.7	12.5	*17.5	9.2	*14.5	7.1	11.9	5.6	9.5							4.8	*5.5	9.0
	*19.4	*19.4	*17.5	*17.5	12.5	*18.7	9.2	15.5	7.1	11.9	5.6	9.5							4.8	*5.9	
−4 m			*15.8	*15.8	12.8	*13.8	9.4	*11.6	7.3	*9.4											
			*17.0	*17.0	12.8	*14.8	9.4	*12.5	7.3	*10.2											
−6 m																					

ZAXIS450H*2

H-Boom 7.0 m / BE-Arm 2.9 m / Rock-bucket SAE, PCSA: 2.07 m³ / CECE : 1.80 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m																					
											7.2	*7.8							4.7	*5.3	9.9
7 m											7.2	*8.4							4.7	*5.6	
									*8.5	*8.5	7.1	*8.0							4.1	*5.3	10.4
6 m									*9.1	*9.1	7.1	*8.6							4.1	*5.7	
					*14.7	*14.7	11.0	*11.8	8.5	*10.0	6.6	*8.9	5.2	*8.1					3.5	*5.7	10.9
4 m					14.7	*15.7	11.0	*12.6	8.5	*10.7	6.6	*9.5	5.2	8.5					3.5	5.9	
							9.7	*14.2	7.6	*11.6	6.1	*9.9	4.9	8.1	3.9	6.7			3.3	5.7	10.9
2 m							9.7	*15.2	7.6	12.4	6.1	9.9	4.9	8.1	3.9	6.7			3.3	5.7	
							9.1	*15.1	7.1	11.8	5.7	9.5	4.6	7.8					3.4	6.0	10.5
0 (Ground)							9.1	15.3	7.1	11.8	5.7	9.5	4.6	7.8					3.4	6.0	
−2 m			*17.3	*17.3	12.3	*16.8	9.0	*14.3	6.9	11.7	5.5	9.3	4.5	7.7					4.1	*6.0	9.7
			*18.3	*18.3	12.3	*17.9	9.0	15.2	6.9	11.7	5.5	9.3	4.5	7.7					4.1	*6.4	
−4 m			*15.3	*15.3	12.6	*13.9	9.2	*12.1	7.1	*10.3	5.7	*8.5									
			*16.4	*16.4	12.6	*14.9	9.2	*13.0	7.1	*11.0	5.7	*9.2									
−6 m							*6.9	*6.9													
							*7.5	*7.5													
−7 m																					

ZAXIS450LC

BE-boom 6.3 m / BE-arm 2.5 m / Bucket SAE, PCSA: 2.65 m³ / CECE : 2.30 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m							*8.0	*8.0											* 5.9	*5.9	8.3
							*8.4	*8.4											*6.3	*6.3	
7 m																					
							*10.4	*10.4	*9.7	*9.7									*5.7	*5.7	9.5
6 m							*11.1	*11.1	10.3	*10.4									5.8	*6.1	
					*14.8	*14.8	*12.3	*12.3	9.7	*10.8	7.6	*9.7							5.0	*5.9	10.0
4 m					*15.8	*15.8	12.6	*13.1	9.7	*11.5	7.6	*10.4							5.0	*6.3	
							11.4	*14.5	8.9	*12.2	7.1	*10.6	5.7	*9.4					4.7	*6.4	10.1
2 m							11.4	*15.5	8.9	*13.0	7.1	*11.3	5.7	10.1					4.7	*6.8	
							10.7	*15.4	8.4	*12.8	6.8	*10.9							5.0	*7.3	9.6
0 (Ground)							10.7	*16.5	8.4	*13.7	6.8	*11.7							5.0	*7.8	
−2 m			*19.5	*19.5	14.3	*17.1	10.5	*14.4	8.2	*12.1	6.7	*10.0							6.1	*7.6	8.6
			*20.5	*20.5	14.3	*18.3	10.5	*15.4	8.2	*13.0	6.7	*10.8							6.1	*8.0	
−4 m					*12.9	*12.9	10.9	*10.9													
					*13.9	*13.9	10.9	*11.7													
−6 m																					

ZAXIS450LC

Boom 6.3 m / Arm 2.9 m / Bucket SAE, PCSA: 2.65 m³ / CECE : 2.30 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m																					
									*9.2	*9.2									*3.5	*3.5	9.3
7 m									*9.8	*9.8									*3.7	*3.7	
									*9.3	*9.3	*7.7	*7.7							*3.4	*3.4	9.8
6 m									*9.9	*9.9	8.1	*8.2							*3.7	*3.7	
					*14.2	*14.2	*9.9	*9.9	9.9	*10.5	7.7	*9.5	6.1	*6.5					*3.6	*3.6	10.3
4 m					*15.1	*15.1	*10.5	*10.5	9.9	*11.2	7.7	*10.2	6.1	*6.9					*3.8	*3.8	
					15.4	*18.1	*11.9	*11.9	9.1	*12.0	7.2	*10.4	5.9	*9.3					*3.9	*3.9	10.4
2 m					15.4	*19.3	*12.7	*12.7	9.1	*12.8	7.2	*11.2	5.9	*10.0					*4.2	*4.2	
					14.5	*19.2	11.6	*14.3	8.5	*12.9	6.9	*11.0	5.6	*9.5					*4.6	*4.6	9.9
0 (Ground)					14.5	*20.5	11.6	*15.3	8.5	*13.8	6.9	*11.8	5.6	9.9					4.8	*4.9	
−2 m	*19.9	*19.9	*21.0	*21.0	14.4	*17.8	10.9	*15.5	8.3	*12.5	6.7	*10.4							5.8	*5.9	9.0
	*21.0	*21.0	21.3	*22.4	14.4	*19.0	10.9	*16.6	8.3	*13.3	6.7	*11.2							5.8	*6.3	
−4 m			*16.2	*16.2	*14.1	*14.1	10.6	*14.9	8.6	*9.6											
			*17.4	*17.4	14.7	*15.1	10.6	*15.9	8.6	*10.4											
−6 m							10.9	*11.9													
							10.9	*12.8													

METRIC MEASURE

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

ZAXIS450LCH*2

BE-Boom 6.3 m / BE-Arm 2.5 m / Rock-bucket SAE, PCSA: 2.49 m³ / CECE : 2.20 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m							*8.3	*8.3											*5.6	*5.6	8.4
							*8.7	*8.7											*5.9	*5.9	
7 m																					
							*10.0	*10.0	*9.3	*9.3	7.6	*8.5							*5.4	*5.4	9.5
6 m							*10.6	*10.6	*9.9	*9.9	7.6	*9.0							5.5	*5.8	
					*14.6	*14.6	*12.0	*12.0	9.4	*10.4	7.3	*9.4							4.7	*5.6	10.0
4 m					*15.5	*15.5	12.3	*12.8	9.4	*11.1	7.3	*10.0							4.7	*6.0	
							11.1	*14.3	8.6	*11.8	6.8	*10.2	5.5	*9.0					4.4	*6.1	10.0
2 m							11.1	*15.2	8.6	*12.7	6.8	*10.9	5.5	*9.7					4.4	*6.5	
							10.4	*15.1	8.1	*12.5	6.5	*10.5	5.3	*9.0					4.8	*7.1	9.6
0 (Ground)							10.4	*16.1	8.1	*13.4	6.5	*11.3	5.3	9.6					4.8	*7.5	
−2 m			*17.4	*17.4	14.1	*16.5	10.3	*14.0	8.0	*11.7	6.4	*9.6							*5.6	*5.6	8.6
			*18.2	*18.2	14.1	*17.7	10.3	*14.9	8.0	*12.5	6.4	*10.4							*5.9	*5.9	
−4 m					*12.2	*12.2	*10.3	*10.3													
					*13.2	*13.2	10.7	*11.1													
−6 m																					

ZAXIS450LCH*2

BE-Boom 6.3 m / BE-Arm 2.9 m / Rock-bucket SAE, PCSA: 2.49 m³ / CECE : 2.20 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m																					
									*8.7	*8.7									*3.1	*3.1	9.3
7 m									*9.3	*9.3									*3.4	*3.4	
									*8.9	*8.9	7.8	*7.9							*3.1	*3.1	9.8
6 m									*9.5	*9.5	7.8	*8.4							*3.4	*3.4	
					*13.9	*13.9	*11.6	*11.6	9.6	*10.1	7.5	*9.1	5.9	*7.0					*3.2	*3.2	10.3
4 m					*14.8	*14.8	*12.4	*12.4	9.6	*10.8	7.5	*9.8	5.9	*7.4					*3.5	*3.5	
					15.1	*17.9	11.4	*14.0	8.8	*11.7	7.0	*10.1	5.6	*8.9					*3.6	*3.6	10.3
2 m					15.1	*19.1	11.4	*15.0	8.8	*12.5	7.0	*10.8	5.6	*9.6					*3.9	*3.9	
					14.2	*18.8	10.6	*15.2	8.2	*12.5	6.6	*10.6	5.3	*9.1					*4.3	*4.3	9.9
0 (Ground)					14.2	*20.1	10.6	*16.2	8.2	*13.4	6.6	*11.4	5.3	9.7					4.5	*4.6	
−2 m	*19.5	*19.5	*17.4	*17.4	14.2	*17.3	10.4	*14.4	8.1	*12.0	6.5	*10.0							5.6	*5.6	8.9
	*20.7	*20.7	*18.3	*18.3	14.2	*18.5	10.4	*15.4	8.1	*12.9	6.5	*10.8							5.6	*6.0	
−4 m			*15.4	*15.4	*13.5	*13.5	10.7	*11.3	8.3	*9.1											
			*16.5	*16.5	*14.4	*14.4	10.7	*12.2	8.3	*9.8											
−6 m																					

ZAXIS450LCH*2

BE-Boom 7.0 m / BE-Arm 2.9 m / Rock-bucket SAE, PCSA: 2.07 m³ / CECE : 1.80 m³ / Shoe 600 mm

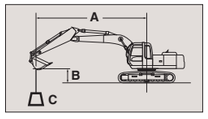
Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m											*7.8	*7.8							5.2	*5.3	10.0
											8.0	*8.4							5.2	*5.6	
7 m									*8.6	*8.6	7.9	*8.0	6.2	*7.5					4.7	*5.4	10.4
6 m									*9.2	*9.2	7.9	*8.6	6.2	*8.0					4.7	*5.7	
					*15.0	*15.0	*11.9	*11.9	9.4	*10.1	7.4	*8.9	5.9	*8.1					4.0	*5.7	10.9
4 m					*16.0	*16.0	12.2	*12.8	9.4	*10.8	7.4	*9.6	5.9	*8.7					4.0	*6.1	
							10.9	*14.3	8.6	*11.7	6.9	*10.0	5.6	*8.8	4.5	*7.8			3.8	*6.3	10.9
2 m							10.9	*15.3	8.6	*12.6	6.9	*10.7	5.6	*9.4	4.5	8.2			3.8	*6.7	
					13.9	*16.8	10.3	*15.1	8.1	*12.5	6.5	*10.6	5.3	*9.1					4.0	*7.3	10.5
0 (Ground)					13.9	*17.7	10.3	*16.1	8.1	*13.4	6.5	*11.3	5.3	9.6					4.0	7.4	
−2 m			*18.5	*18.5	14.0	*16.6	10.2	*14.2	7.9	*12.1	6.3	*10.2	5.2	*8.6					4.8	*5.8	9.6
			*19.6	*19.6	14.0	*17.8	10.2	*15.2	7.9	*12.9	6.3	*11.0	5.2	*9.3					4.8	*6.2	
−4 m			*15.0	*15.0	*13.6	*13.6	10.5	*11.8	8.1	*10.1	6.5	*8.3									
			*16.1	*16.1	14.3	*14.6	10.5	*12.7	8.1	*10.9	6.5	*8.9									
−5 m			*12.3	*12.3	*11.2	*11.2	*9.8	*9.8	*8.0	*8.0											
			*13.2	*13.2	*12.1	*12.1	*10.5	*10.5	8.3	*8.7											

ZAXIS480MT

Boom 7.0 m / Arm 3.4 m / Bucket SAE, PCSA: 2.07 m³ / CECE : 1.80 m³ / Shoe 600 mm

Load point height	3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																					meter
8 m											*7.7	*7.7							*4.0	*4.0	10.1
											*8.1	*8.1							*4.3	*4.3	
7 m											*7.9	*7.9	*6.4	*6.4					*3.9	*3.9	10.7
											*8.5	*8.5	*6.8	*6.8					*4.2	*4.2	
6 m											*8.2	*8.2	7.4	*7.8					*3.9	*3.9	11.0
											*8.7	*8.7	7.4	*8.4					*4.2	*4.2	
4 m									*14.4	*14.4	*11.9	*11.9	*10.3	*10.3	8.8	*9.2	7.1	*8.4	5.9	*7.9	*4.1	*4.1	11.5
									*15.3	*15.3	*12.6	*12.6	*11.0	*11.0	8.8	*9.8	7.1	*9.0	5.9	*8.5	*4.3	*4.3	
2 m									16.8	*18.6	12.9	*14.5	10.2	*12.0	8.2	*10.4	6.8	*9.2	5.6	*8.3	4.4	*4.4	11.5
									16.8	*19.8	12.9	*15.5	10.2	*12.9	8.2	*11.1	6.8	*9.9	5.6	8.7	4.4	*4.7	
0 (Ground)									16.1	*17.8	12.1	*15.8	9.6	*13.1	7.8	*11.2	6.5	*9.7	5.4	8.5	4.6	*5.0	11.1
									16.1	*18.8	12.1	*16.9	9.6	*14.0	7.8	*11.9	6.5	10.0	5.4	8.5	4.6	*5.3	
−2 m			*16.5	*16.5	16.0	*18.4	11.9	*15.5	9.4	*13.0	7.6	*11.1	6.3	*9.5					5.2	*6.1	10.3
			*17.4	*17.4	16.0	*19.6	11.9	*16.5	9.4	*13.9	7.6	11.9	6.3	9.9					5.2	*6.5	
−4 m			*18.2	*18.2	*15.8	*15.8	12.1	*13.5	9.5	*11.5	7.7	*9.7									
			*19.4	*19.4	16.3	*16.9	12.1	*14.5	9.5	*12.3	7.7	*10.4									
−6 m					*10.7	*10.7	*9.1	*9.1	*7.0	*7.0											
					*11.5	*11.5	*9.8	*9.8	*7.6	*7.6											

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. *2 Identical to Quarry specifications (Q.S.)



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

METRIC MEASURE

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

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS480MT	8 m							*8.3	*8.3											*5.9	*5.9	8.4
								*8.7	*8.7											*6.3	*6.3	
	7 m																					
	6 m							*10.4	*10.4	*9.7	*9.7	*8.2	*8.2							*5.7	*5.7	9.5
BE-Boom 6.3 m								*11.1	*11.1	*10.4	*10.4	8.6	*8.7							*6.1	*6.1	
BE-Arm 2.5 m	4 m					*15.0	*15.0	*12.4	*12.4	10.5	*10.8	8.3	*9.8							5.5	*5.9	10.0
Bucket						*15.9	*15.9	*13.2	*13.2	10.5	*11.6	8.3	*10.5							5.5	*6.3	
SAE, PCSA: 2.65 m³	2 m							12.5	*14.6	9.8	*12.2	7.8	*10.6	6.4	*9.4					5.3	*6.4	10.1
CECE : 2.30 m³								12.5	*15.6	9.8	*13.0	7.8	*11.3	6.4	10.0					5.3	*6.8	
	0 (Ground)							11.8	*15.4	9.3	*12.8	7.5	*10.9							5.6	*7.4	9.6
Shoe 600 mm								11.8	*16.5	9.3	*13.7	7.5	*11.7							5.6	*7.8	
	−2 m					15.8	*17.0	11.7	*14.3	9.1	*12.0	7.4	*10.0							6.9	*7.4	8.6
				*19.4	*19.4	15.8	*18.1	11.7	*15.3	9.1	*12.9	7.4	*10.7							6.9	*7.8	
	−4 m			*20.7	*20.7	*12.7	*12.7	*10.7	*10.7													
						*13.6	*13.6	*11.5	*11.5													
	−6 m																					

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS480MT	8 m																					
	7 m									*9.2	*9.2									*3.5	*3.5	9.4
										*9.8	*9.8									*3.7	*3.7	
	6 m							*9.9	*9.9	*9.3	*9.3	*8.0	*8.0							*3.4	*3.4	9.8
BE-Boom 6.3 m								*10.6	*10.6	*10.0	*10.0	*8.5	*8.5							*3.7	*3.7	
BE-Arm 2.9 m	4 m					*14.3	*14.3	*12.0	*12.0	*10.5	*10.5	8.5	*9.5	*6.8	*6.8					*3.6	*3.6	10.3
Bucket						*15.2	*15.2	*12.8	*12.8	10.7	*11.3	8.5	*10.2	6.8	*7.2					*3.9	*3.9	
SAE, PCSA: 2.65 m³	2 m					16.9	*18.2	12.7	*14.4	10.0	*12.1	8.0	*10.5	6.5	*9.3					*4.0	*4.0	10.3
CECE : 2.30 m³						16.9	*19.4	12.7	*15.4	10.0	*12.9	8.0	*11.2	6.5	*10.0					*4.2	*4.2	
	0 (Ground)					15.9	*19.2	12.0	*15.5	9.4	*12.9	7.6	*11.0	6.3	*9.5					*4.6	*4.6	9.9
Shoe 600 mm						15.9	*20.5	12.0	*16.6	9.4	*13.8	7.6	*11.8	6.3	9.8					*5.0	*5.0	
	−2 m	*20.6	*20.6	*20.9	*20.9	15.9	*17.7	11.8	*14.8	9.2	*12.4	7.5	*10.4							*6.0	*6.0	8.9
		*21.7	*21.7	*22.3	*22.3	15.9	*18.9	11.8	*15.8	9.2	*13.3	7.5	*11.1							*6.4	*6.4	
	−4 m			*16.0	*16.0	*13.9	*13.9	*11.7	*11.7	*9.4	*9.4											
				*17.1	*17.1	*14.9	*14.9	12.1	*12.6	9.5	*10.1											
	−6 m																					

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS480MTH*2	8 m											*7.3	*7.3							*3.5	*3.5	10.3
												*7.9	*7.9							*3.8	*3.8	
	7 m											*7.3	*7.3	*6.4	*6.4					*3.5	*3.5	10.8
												*7.9	*7.9	*6.9	*6.9					*3.7	*3.7	
	6 m											*7.6	*7.6	7.1	*7.3					*3.5	*3.5	11.1
H-boom 7.0 m												*8.2	*8.2	7.1	*7.8					*3.7	*3.7	
H-arm 3.4 m	4 m					*14.1	*14.1	*11.4	*11.4	*9.8	*9.8	8.4	*8.7	6.8	*7.9	5.5	*7.4			*3.6	*3.6	11.6
Rock-bucket						*15.0	*15.0	*12.2	*12.2	*10.5	*10.5	8.4	*9.3	6.8	*8.5	5.5	*7.9			*3.9	*3.9	
SAE, PCSA: 1.89 m³	2 m					16.4	*18.1	12.5	*14.1	9.8	*11.6	7.9	*9.9	6.4	*8.7	5.3	*7.8			*3.9	*3.9	11.6
CECE : 1.70 m³						16.4	*19.1	12.5	*15.1	9.8	*12.4	7.9	*10.6	6.4	*9.3	5.3	8.3			4.0	*4.2	
	0 (Ground)					15.7	*16.8	11.8	*15.3	9.2	*12.6	7.4	*10.6	6.1	*9.2	5.1	*8.0			4.2	*4.6	11.2
Shoe 600 mm						15.7	*17.8	11.8	*16.3	9.2	*13.5	7.4	*11.4	6.1	9.7	5.1	8.1			4.2	*4.9	
	−2 m			*16.0	*16.0	15.7	*17.7	11.6	*14.8	9.0	*12.4	7.3	*10.5	6.0	*9.0					4.9	*5.6	10.3
				*17.0	*17.0	15.7	*18.9	11.6	*15.8	9.0	*13.3	7.3	*11.3	6.0	9.6					4.9	*6.0	
	−4 m			*17.1	*17.1	*14.9	*14.9	11.7	*12.8	9.1	*10.8	7.3	*9.1									
				*18.3	*18.3	16.0	*16.0	11.7	*13.7	9.1	*11.6	7.3	*9.8									
	−6 m					*9.7	*9.7	*8.2	*8.2	*6.2	*6.2											
						*10.5	*10.5	*8.9	*8.9	*6.8	*6.8											

METRIC MEASURE

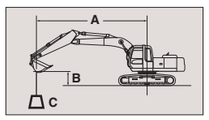
Heavy-lifting system | Rating over-side or 360 degrees | Rating over-front | Unit: 1 000 kg

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS480MTH*2	8 m							*8.7	*8.7											*5.5	*5.5	8.4
								*9.1	*9.1											*5.9	*5.9	
	7 m																					
	6 m							*10.0	*10.0	*9.3	*9.3	8.4	*8.9							*5.4	*5.4	9.5
BE-Boom 6.3 m								*10.7	*10.7	*10.0	*10.0	8.4	*9.5							*5.8	*5.8	
BE-Arm 2.5 m	4 m					*14.7	*14.7	*12.1	*12.1	10.3	*10.5	8.1	*9.4							5.2	*5.6	10.0
Rock-bucket						*15.7	*15.7	*12.9	*12.9	10.3	*11.2	8.1	*10.1							5.2	*6.0	
SAE, PCSA: 2.49 m³	2 m							12.2	*14.3	9.5	*11.9	7.6	*10.2	6.1	*9.0					5.0	*6.1	10.0
CECE : 2.20 m³								12.2	*15.3	9.5	*12.7	7.6	*11.0	6.1	*9.7					5.0	*6.5	
	0 (Ground)							11.6	*15.0	9.0	*12.5	7.3	*10.5	5.9	*8.9					5.4	*7.1	9.6
Shoe 600 mm								11.6	*16.1	9.0	*13.4	7.3	*11.3	5.9	9.6					5.4	*7.6	
	−2 m			*16.9	*16.9	15.7	*16.4	11.5	*13.9	8.9	*11.6	7.2	*9.5							*5.4	*5.4	8.5
				*17.7	*17.7	15.7	*17.6	11.5	*14.9	8.9	*12.5	7.2	*10.3							*5.8	*5.8	
	−4 m					*12.0	*12.0	*10.1	*10.1													
						*12.9	*12.9	*10.9	*10.9													
	−6 m																					

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS480MTH*2	8 m																					
	7 m									*8.7	*8.7									*3.1	*3.1	9.4
										*9.3	*9.3									*3.4	*3.4	
	6 m							*9.5	*9.5	*8.9	*8.9	*8.2	*8.2							*3.1	*3.1	9.8
BE-Boom 6.3 m								*10.2	*10.2	*9.5	*9.5	8.6	*8.7							*3.4	*3.4	
BE-Arm 2.9 m	4 m					*14.1	*14.1	*11.7	*11.7	*10.2	*10.2	8.2	*9.2	6.5	*7.2					*3.2	*3.2	10.3
Rock-bucket						*15.0	*15.0	*12.5	*12.5	10.5	*10.9	8.2	*9.8	6.5	*7.7					*3.5	*3.5	
SAE, PCSA: 2.49 m³	2 m					16.6	*18.0	12.5	*14.1	9.7	*11.7	7.7	*10.1	6.2	*9.0					*3.6	*3.6	10.3
CECE : 2.20 m³						16.6	*19.2	12.5	*15.1	9.7	*12.6	7.7	*10.9	6.2	*9.6					*3.9	*3.9	
	0 (Ground)					15.8	*18.8	11.8	*15.2	9.2	*12.6	7.4	*10.6	6.0	*9.1					*4.4	*4.4	9.9
Shoe 600 mm						15.8	*20.1	11.8	*16.2	9.2	*13.4	7.4	*11.4	6.0	9.6					*4.7	*4.7	
	−2 m	*20.2	*20.2	*17.8	*17.8	15.8	*17.2	11.6	*14.4	9.0	*12.0	7.3	*10.0							*5.7	*5.7	8.8
		*21.4	*21.4	*18.7	*18.7	15.8	*18.4	11.6	*15.4	9.0	*12.9	7.3	*10.7							*6.1	*6.1	
	−4 m			*15.2	*15.2	*13.2	*13.2	*11.2	*11.2	*8.9	*8.9											
				*16.3	*16.3	*14.2	*14.2	11.9	*12.0	9.3	*9.6											
	−5 m																					

Conditions	Load point height	Load radius 3 m		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m		At max. reach		
																						meter
ZAXIS480MTH*2	8 m																					
	7 m											*7.8	*7.8							*5.3	*5.3	10.0
												*8.4	*8.4							*5.6	*5.6	
	6 m									*8.6	*8.6	*8.0	*8.0	6.9	*7.7					5.2	*5.4	10.4
H-Boom 7.0 m										*9.3	*9.3	*8.6	*8.6	6.9	*8.2					5.2	*5.7	
BE-Arm 2.9 m	4 m					*15.2	*15.2	*12.0	*12.0	*10.2	*10.2	8.2	*9.0	6.6	*8.1					4.5	*5.7	10.9
Rock-bucket						*16.2	*16.2	*12.9	*12.9	10.3	*10.9	8.2	*9.6	6.6	*8.7					4.5	*6.1	
SAE, PCSA: 2.07 m³	2 m							12.0	*14.4	9.5	*11.8	7.6	*10.0	6.2	*8.8	5.1	*7.9			4.4	*6.4	10.9
CECE : 1.80 m³								12.0	*15.4	9.5	*12.6	7.6	*10.8	6.2	*9.4	5.1	8.2			4.4	*6.8	
	0 (Ground)					15.4	*17.2	11.5	*15.1	9.0	*12.5	7.2	*10.6	5.9	*9.1					4.6	*7.3	10.5
Shoe 600 mm						15.4	*18.2	11.5	*16.1	9.0	*13.4	7.2	*11.4	5.9	9.5					4.6	7.5	
	−2 m			*19.0	*19.0	15.5	*16.5	11.4	*14.2	8.9	*12.0	7.1	*10.2	5.9	*8.6					5.5	*5.7	9.5
				*20.2	*20.2	15.5	*17.7	11.4	*15.2	8.9	*12.9	7.1	*11.0	5.9	*9.3					5.5	*6.0	
	−4 m			*14.9	*14.9	*13.5	*13.5	11.7	*11.7	9.0	*10.7	7.3	*8.8									
				*16.0	*16.0	*14.4	*14.4	11.7	*12.6	9.0	*10.7	7.3	*8.8									
	−5 m			*12.0	*12.0	*11.0	*11.0	*9.6	*9.6	*7.8	*7.8											
				*12.9	*12.9	*11.9	*11.9	*10.3	*10.3	*8.5	*8.5											

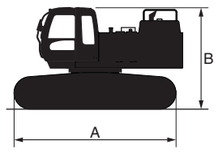
Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity of the ZAXIS Series does not exceed 75% of tipping load with the machine on firm level ground or 87% full hydraulic capacity.
3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.
5. *2 Identical to Quarry specifications (Q.S.)



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

BACKHOE

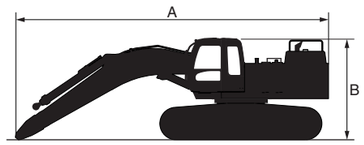
Basic machine without sidewalk



	Shoe width	Overall width*	Weight	A Overall length	B Overall height
ZAXIS450 ZAXIS450H*	600 mm (24")	3 340 mm (10'11")	25 200 kg (55 600 lb) 25 700 kg (56 700 lb)	5 050 mm (16'7")	3 260 mm (10'8") 3 250 mm (10'8")
	750 mm (30")	3 490 mm (11'5")	26 000 kg (57 300 lb)		
	900 mm (35")	3 640 mm (11'11")	26 600 kg (58 600 lb)		
ZAXIS450LC ZAXIS450LCH*	600 mm (24")	3 240 mm (10'8")	27 400 kg (60 400 lb) 27 800 kg (61 300 lb)	5 470 mm (17'11")	3 380 mm (11'1") 3 370 mm (11'1")
	750 mm (30")	3 240 mm (10'8")	28 200 kg (62 200 lb)		
	900 mm (35")	3 290 mm (10'10")	28 900 kg (63 700 lb)		
ZAXIS480MT ZAXIS480MTH*	600 mm (24")	3 520 mm (11'7")	29 900 kg (65 900 lb) 30 500 kg (67 200 lb)	5 330 mm (17'6")	3 460 mm (11'4") 3 450 mm (11'4")
	750 mm (30")	3 670 mm (12'0")	30 700 kg (67 800 lb)		

Notes: 1. LC-type undercarriage retracted
2. * Identical to Quarry specifications (Q.S.)

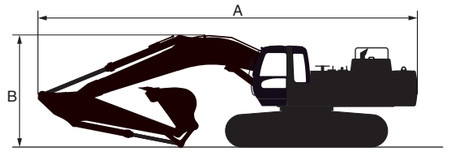
Basic machine fitted with boom and no sidewalk



	Boom length	Shoe width	Overall width*	Weight	A Overall length	B Overall height
ZAXIS450	6.3 m (20'8") BE	600 mm (24")	3 340 mm (10'11")	28 820 kg (63 500 lb)	9 740 mm (31'11")	3 260 mm (10'8")
		750 mm (30")	3 490 mm (11'5")	29 620 kg (65 200 lb)		
		900 mm (35")	3 640 mm (11'11")	30 220 kg (66 600 lb)		
	7.0 m (23'0')	600 mm (24")	3 340 mm (10'11")	29 300 kg (64 500 lb)		
		750 mm (30")	3 490 mm (11'5")	30 100 kg (66 300 lb)		
		900 mm (35")	3 640 mm (11'11")	30 700 kg (67 600 lb)		
	8.2 m (26"11')	600 mm (24")	3 340 mm (10'11")	29 290 kg (64 500 lb)		
		750 mm (30")	3 490 mm (11'5")	30 090 kg (66 300 lb)		
		900 mm (35")	3 640 mm (11'11")	30 690 kg (67 600 lb)		
ZAXIS450H*	6.3 m BE	600 mm (24")	3 340 mm (10'11")	29 320 kg (64 600 lb)		3 250 mm (10'8")
	7.0 m (23'0') H	600 mm (24")	3 340 mm (10'11")	30 000 kg (66 100 lb)		
ZAXIS450LC	6.3 m (20'8') BE	600 mm (24")	3 240 mm (10'8")	31 020 kg (68 300 lb)	9 740 mm (31'11")	3 380 mm (11'1")
		750 mm (30")	3 240 mm (10'8")	31 820 kg (70 100 lb)		
		900 mm (35")	3 290 mm (10'10")	32 520 kg (71 600 lb)		
	7.0 m (23'0')	600 mm (24")	3 240 mm (10'8")	31 500 kg (69 400 lb)		
		750 mm (30")	3 240 mm (10'8")	32 300 kg (71 200 lb)		
		900 mm (35")	3 290 mm (10'10")	33 000 kg (72 700 lb)		
	8.2 m (26"11')	600 mm (24")	3 240 mm (10'8")	31 490 kg (69 400 lb)		
		750 mm (30")	3 240 mm (10'8")	32 290 kg (71 100 lb)		
		900 mm (35")	3 290 mm (10'10")	32 990 kg (72 700 lb)		
ZAXIS450LCH*	6.3 m (20'8') BE	600 mm (24")	3 240 mm (10'8")	31 420 kg (69 200 lb)		3 370 mm (11'1")
	7.0 m (23'0') H	600 mm (24")	3 240 mm (10'8")	32 100 kg (70 700 lb)		
ZAXIS480MT	6.3 m (20'8') BE	600 mm (24")	3 520 mm (11'7")	33 520 kg (73 800 lb)	9 680 mm (31'9")	3 460 mm (11'4")
		750 mm (30")	3 670 mm (12'0")	34 320 kg (75 600 lb)		
		900 mm (35")	3 820 mm (12'6")	35 120 kg (77 400 lb)		
	7.0 m (23'0')	600 mm (24")	3 520 mm (11'7")	34 000 kg (74 900 lb)		
		750 mm (30")	3 670 mm (12'0")	34 800 kg (76 700 lb)		
		900 mm (35")	3 820 mm (12'6")	35 600 kg (78 400 lb)		
	8.2 m (26"11')	600 mm (24")	3 520 mm (11'7")	33 990 kg (74 900 lb)		
		750 mm (30")	3 670 mm (12'0")	34 790 kg (76 600 lb)		
		900 mm (35")	3 820 mm (12'6")	35 590 kg (78 400 lb)		
ZAXIS480MTH*	6.3 m (20'8') BE	600 mm (24")	3 520 mm (11'7")	34 120 kg (75 200 lb)		3 450 mm (11'4")
	7.0 m (23'0') H	600 mm (24")	3 520 mm (11'7")	34 800 kg (76 700 lb)		

Notes: 1. * Equipped with H-boom
2. LC-type undercarriage retracted
3. * Identical to Quarry specifications (Q.S.)

Basic machine with front and sidewalk



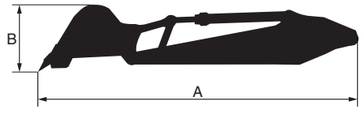
Unit: mm (ft in)

Boom length		6.3 m (20'8") BE		7 m (23'0") BE				7 m (23'0") H		8.2 m (26'11")
Arm length		2.5 m (8'2") BE	2.9 m (9'6") BE	2.9 m (9'6")	3.4 m (11'2")	3.9 m (12'11")	4.9 m (16'1")	2.9 m (9'6") BE	3.4 m (11'2") H	4.9 m (16'1")
ZAXIS450	A	11 330 mm (37'2")	11 200 mm (36'9")	11 930 mm (39'2")	11 850 mm (38'11")	11 850 mm (38'11")	11 660 mm (38'3")	— —	— —	13 030 mm (42'9")
	B	4 040 mm (13'3")	3 950 mm (13'0")	3 560 mm (11'8")	3 450 mm (11'4")	3 470 mm (11'5")	4 660 mm (15'3")	— —	— —	4 390 mm (14'5")
ZAXIS450H*	A	11 330 mm (37'2")	11 200 mm (36'9")	— —	— —	— —	— —	11 950 mm (39'2")	11 850 mm (38'11")	— —
	B	4 040 mm (13'3")	3 950 mm (13'0")	— —	— —	— —	— —	3 780 mm (12'5")	3 450 mm (11'4")	— —
ZAXIS450LC	A	11 290 mm (37'0")	11 130 mm (36'6")	11 910 mm (39'1")	11 820 mm (38'9")	11 820 mm (38'9")	11 730 mm (38'6")	— —	— —	13 060 mm (42'10")
	B	4 125 mm (13'6")	4 100 mm (13'5")	3 600 mm (11'10")	3 480 mm (11'5")	3 480 mm (11'5")	4 660 mm (15'3")	— —	— —	4 420 mm (14'6")
ZAXIS450LCH*	A	11 290 mm (37'0")	11 130 mm (36'6")	— —	— —	— —	— —	11 900 mm (39'1")	11 820 mm (38'9")	— —
	B	4 125 mm (13'6")	4 100 mm (13'5")	— —	— —	— —	— —	3 770 mm (12'4")	3 480 mm (11'5")	— —
ZAXIS480MT	A	11 330 mm (37'2")	11 200 mm (36'9")	11 910 mm (39'1")	11 820 (38'9")	11 820 (38'9")	11 730 (38'6")	— —	— —	13 080 mm (42'11")
	B	4 100 mm (13'5")	3 980 mm (13'1")	3 620 mm (11'11")	3 500 mm (11'6")	3 500 mm (11'6")	4 680 mm (15'4")	— —	— —	4 440 mm (14'7")
ZAXIS480MTH*	A	11 330 mm (37'2")	11 200 mm (36'9")	— —	— —	— —	— —	11 910 mm (39'1")	11 820 mm (38'9")	— —
	B	4 100 mm (13'5")	3 980 mm (13'1")	— —	— —	— —	— —	3 620 mm (11'11")	3 500 mm (11'6")	— —

Note: * Identical to Quarry specifications (Q.S.)

BACKHOE

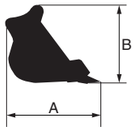
Bucket



Arm	Bucket SAE, PCSA heaped	Weight	A	B	Overall width
2.9 m (9'6")	2.28 m³ (2.98 yd³)	4 100 kg (9 030 lb)	6 030 mm (19'9")	1 340 mm (4'5")	1 660 mm (5'5")
3.4 m (11'2")	1.89 m³ (2.47 yd³)	3 800 kg (8 370 lb)	6 430 mm (21'1")	1 270 mm (4'2")	1 500 mm (4'11")
	2.07 m³ (2.71 yd³)	3 900 kg (8 590 lb)	6 430 mm (21'1")	1 270 mm (4'2")	1 630 mm (5'4")
3.9 m (12'10")	1.89 m³ (2.47 yd³)	4 000 kg (8 810 lb)	6 930 mm (22'9")	1 270 mm (4'2")	1 540 mm (5'1")
4.9 m (16'10")	1.36 m³ (1.78 yd³)	3 500 kg (7 710 lb)	7 760 mm (25'6")	1 170 mm (3'10")	1 410 mm (4'8")
2.5 m (BE) (8'2")	2.49 m³ (3.26 yd³)	5 000 kg (11 020 lb)	5 650 mm (18'6")	1 470 mm (4'10")	1 830 mm (6'0")
2.9 m (BE) (9'6")*	2.49 m³ Rock* (3.26 yd³)	4 890 kg (10 780 lb)	5 950 mm (19'6")	1 460 mm (4'9")	1 830 mm (6'0")
3.4 m (H) (11'2")*	1.89 m³ Rock* (2.47 yd³)	4 500 kg (9 920 lb)	6 370 mm (20'11")	1 470 mm (4'10")	1 460 mm (4'9")

Note: * Identical to Quarry specifications (Q.S.)

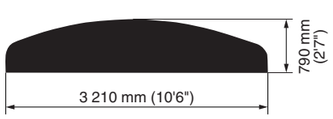
Bucket



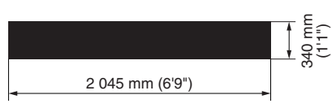
Bucket		Weight	A	B	Overall width
PCSA heaped	CECE heaped				
1.15 m³ (1.50 yd³)	1.00 m³	1 800 mm (5'11")	1 350 mm (4'5")	1 210 mm (4'0")	1 070 kg (2 300 lb)
1.36 m³ (1.78 yd³)	1.20 m³	1 800 mm (5'11")	1 350 mm (4'5")	1 410 mm (4'8")	1 170 kg (2 500 lb)
1.60 m³ (2.09 yd³)	1.40 m³	1 940 mm (6'4")	1 570 mm (5'2")	1 360 mm (4'6")	1 460 kg (3 200 lb)
1.89 m³ (2.47 yd³)	1.70 m³	1 940 mm (6'4")	1 570 mm (5'2")	1 540 mm (5'1")	1 570 kg (3 400 lb)
2.07 m³ (2.71 yd³)	1.80 m³	1 940 mm (6'4")	1 570 mm (5'2")	1 630 mm (5'4")	1 630 kg (3 500 lb)
2.28 m³ (2.98 yd³)	2.00 m³	1 950 mm (6'5")	1 650 mm (5'5")	1 660 mm (5'5")	1 780 kg (3 900 lb)
2.49 m³ (3.26 yd³)	2.20 m³	1 950 mm (6'5")	1 650 mm (5'5")	1 830 mm (6'0")	1 850 kg (4 000 lb)
2.65 m³ (3.47 yd³)	2.30 m³	1 950 mm (6'5")	1 650 mm (5'5")	1 860 mm (6'1")	1 910 kg (4 200 lb)
1.89 m³ Rock* (2.47 yd³)	1.70 m³	1 950 mm (6'5")	1 650 mm (5'5")	1 460 mm (4'9")	2 070 kg (4 500 lb)
2.07 m³ Rock* (2.71 yd³)	1.80 m³	1 950 mm (6'5")	1 650 mm (5'5")	1 540 mm (5'1")	2 140 kg (4 700 lb)
2.49 m³ Rock* (3.26 yd³)	2.20 m³	1 950 mm (6'5")	1 650 mm (5'5")	1 820 mm (6'0")	2 365 kg (5 200 lb)
1.36 m³ Ripper Bucket (1.78 yd³)	1.20 m³	2 150 mm (7'1")	1 590 mm (5'3")	1 170 mm (3'10")	2 340 kg (5 100 lb)

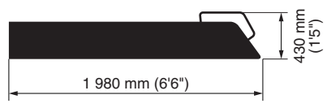
Note: * Identical to Quarry specifications (Q.S.)

Counterweight 9 120 kg (20 100 lb)



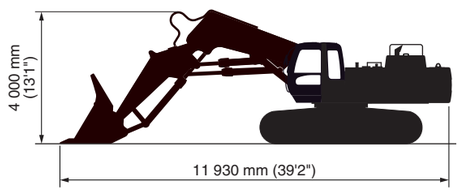
Sidewalk 30 kg (66 lb)



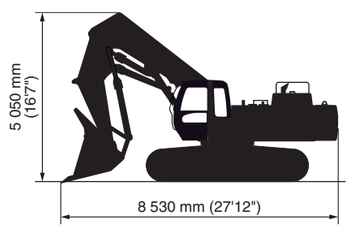


LOADING SHOVEL

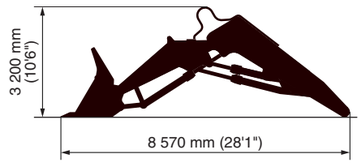
Basic machine with front and sidewalk; 43 800 kg (96 600 lb)



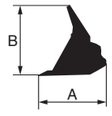
Width; 3 350 mm (11'0") with bottom dump bucket



Front assembly; 9 470 kg (20 900 lb)
with 2.6 m³ (3.40 yd³) bottom dump bucket



Bucket



Bucket Capacity	A	B	Width	Weight
2.3 m³ (3.01 yd³) Bottom dump rock bucket	2 060 mm (6'9")	2 140 mm (7'0")	1 860 mm (73")	3 380 kg (7 450 lb)
2.6 m³ (3.40 yd³) Bottom dump bucket	2 020 mm (6'8")	2 140 mm (7'0")	2 030 mm (80")	3 050 kg (6 720 lb)

Memo

STANDARD EQUIPMENT

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

ENGINE
- H/P mode control
- E mode control
- 50 A alternator
- Dry-type air double filters with evacuator valve (with air cleaner restriction switch for monitor)
- Cartridge-type engine oil filter
- Cartridge-type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idle system
- Auto acceleration system

HYDRAULIC SYSTEM
- Work mode selector
- Engine speed sensing system
- E-P control system
- Power boost
- Boom mode selector system
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter
- Full-flow filter
- Pilot filter

CAB
CRES (Center pillar Reinforced Structure) cab
- OPG top guard fitted level I(ISO) compliant cab
- All-weather sound-suppressed steel cab
- Tinted (bronze color) glass windows
- 6 fluid-filled elastic mounts
- Openable windows; upper and lower front, and left side
- Intermittent windshield retractable wipers
- Front window washer
- Adjustable reclining suspension seat with adjustable armrests
- Footrest
- Electric double horn
- AM - FM radio with digital clock
- Auto-idle / acceleration selector
- Seat belt
- Drink holder
- Cigar lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Auto control air conditioner
- Pilot control shut-off lever
- Engine stop knob

MONITOR SYSTEM
- Meters:
  Hourmeter and trip-meter, engine coolant temperature gauge and fuel gauge.
- Warning lamps:
  Alternator charge, engine oil pressure, engine overheat, air filter restriction and minimum fuel level.
- Pilot lamps:
  Engine preheat, engine oil level, engine coolant level, auto-idle, auto-acceleration, digging mode, trench digging mode, attachment mode and precision (or heavy lift) mode
- Alarm buzzers:
  Engine oil pressure and engine overheat

LIGHTS
- 2 working lights

UPPERSTRUCTURE
- Undercover
- 9 170 kg (20 200 lb) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Rearview mirror (right & left side)
- Swing parking brake

UNDERCARRIAGE
- Travel parking brake
- Travel motor covers
- Track guards and hydraulic track adjuster
- Idler track guard
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 600 mm (24") triple grouser shoes

FRONT ATTACHMENTS
- Flanged pin
- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dust seal on all bucket pins
- 7.0 m (23'0") boom
- 3.4 m (11'2") arm
- 1.89 m^3 (2.47 yd^3: SAE, PCSA heaped) bucket : ZAXIS450
- 2.07 m^3 (2.71 yd^3: SAE, PCSA heaped) bucket : ZAXIS450LC

MISCELLANEOUS
- Standard tool kit
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes, plates, handrails and sidewalk
- Travel direction mark on track frame
- Onboard ICX

ZAXIS450H / ZAXIS450LCH (Heavy-duty version)
- 7.0 m (23'0") H-boom and 3.4 m (11'2") H-arm
- Damage preventive plate and square bars
- 1.89 m^3 (2.47 yd^3: SAE, PCSA heaped) rock bucket (with dual type side shrouds)
- OPG top guard fitted level Ⅱ (ISO) compliant cab
- 4.5 mm (0.2") thickness undercover
- H-track guard (dual type)
- Reinforced side steps (bolt mounted)

ZAXIS480MT
Mighty track version
- 7.0 m (23'0") boom and 3.4 m (11'2") arm
- 2.07 m^3 (2.71 yd^3: SAE, PCSA heaped) bucket
- 2 track guards (each side)

ZAXIS480MTH
Mighty track with Heavy-duty version
- 7.0 m (23'0") H-boom and 3.4 m (11'2") H-arm
- Damage preventive plate and square bars
- 1.89 m^3 (2.47 yd^3: SAE, PCSA heaped) rock bucket (with dual type side shrouds)
- OPG top guard fitted level Ⅱ (ISO) compliant cab
- 4.5 mm (0.18") thickness undercover
- H-track guard (dual type)
- 2 track guards (each side)
- Reinforced side steps (bolt mounted)

ZAXIS450H / ZAXIS450LCH / ZAXIS480MTH
Quarry specifications (Q.S.)
- 7.0 m (23'0") QS-boom and 3.4 m (11'2") QS-arm
- Damage preventive plate and 5 square bars
- 1.89 m^3 (2.47 yd^3: PCSA heaped) QS-bucket
- reinforced link A
- reinforced link B
- QS-track frame
- Full-length track guard
- Reinforced side steps (bolt mounted)
- Travel motor covers with guard
- Track frame undercover
- 4.5 mm (0.18") thickness undercover (upperstructure)
- Pre-cleaner
- Electric grease gun (grease drum can)
- Fuel refilling pump (with Fuel refilling hose)
- OPG top guard fitted level Ⅱ (ISO) compliant cab

OPTIONAL EQUIPMENT

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

- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- Travel motion alarm device
- OPG top and front guard fitted level Ⅱ (ISO) compliant cab
- 2 cab lights (only CRES cab)
- Auto-grease lubricator
- Electric grease gun
- Ladder
- Attachment basic piping
- Accessories for breaker
- Accessories for breaker & crusher
- Accessories for 2 speed selector
- Front glass lower guard
- Front glass upper guard
- Full track guard
- Counterweight removal device
- 6.3 m (20'8") BE-boom
- 2.5 m (8'2") BE-arm
- 2.9 m (9'6") BE-arm
- 600 m double grouser shoe (ZAXIS480MT, ZAXIS480MTH)

Comparative information based on current Japan domestic model.
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.
Before use, go through Operator's Manual for proper operation.

Hitachi Construction Machinery Co., Ltd.

Head Office: 5-1 Koraku 2-chome, Bunkyo-ku,
Tokyo 112-8563, Japan
Telephone : 81-3-3830-8050
Facsimile : 81-3-3830-8204
URL : www.hitachi-c-m.com

KS-E395R 05.02 (KA/KA, GT_3)

Printed in Japan