

Zaxis600

HITACHI

Zaxis 600

Rated Engine
395 hp (295 kW)

Operating Weight
129,190 lbs (58 600 kg)

Bucket Capacity
1.96 - 4.58 yd³ (1.5 - 3.5 m³)



Smarter, faster, more productive yet more efficient—the versatile Hitachi Zaxis 600 can be found at construction sites, demolition sites and scrap yards. Boasting a cleaner yet more powerful engine and a host of new items as well as significant refinements, Zaxis is the next generation in excavator development.

High-Power Engine

The Isuzu BB-6WG1X generates

- 395 hp @ 1,800 rpm in P mode (295 kW/min⁻¹)
- 1,140 lbf•ft max. torque @ 1,500 rpm (157 kgf•m/min⁻¹)

and meets all Tier II emissions regulations.

Durable

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

Rigid Undercarriage

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

Multi-function Operations

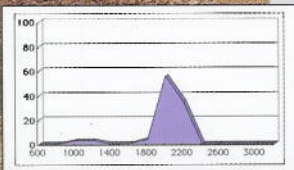
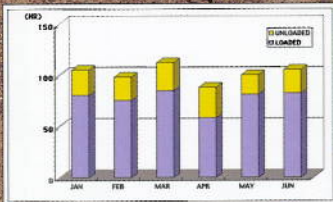
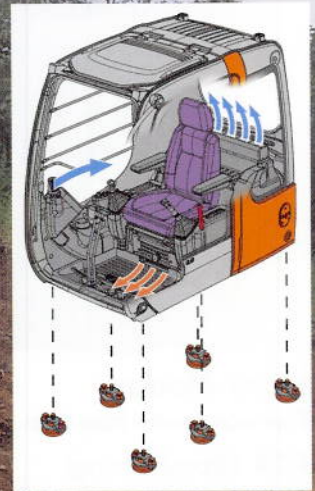
The Zaxis 600 continues the Hitachi tradition of smooth, multi-functioning excavators. Executing combined operations such as simultaneous swinging and traveling are easy with Zaxis.



One POWERFUL Solution

Safety, Comfort, and Convenience

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



e-Information Technology

The onboard ICX information controller tracks the operational status of the excavator. This information is easily downloaded so you can analyze how well your machine is performing.

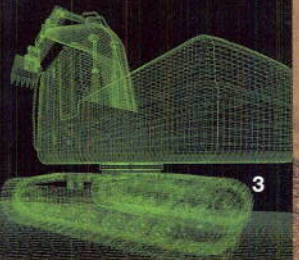
Onboard ICX
(Information
Controller)

PC



Information Services for Equipment

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



THE ZAXIS ADVANTAGE

Higher Productivity

Zaxis uses the latest technologies to achieve lower total operational costs while boosting productivity. The bucket digging force (SAE:PCSA) is an impressive 65,258 lbf (29 600 kgf). P mode increases production 12% over the EX550.

Cab Comfort

The Auto-control air conditioner allows you to set a specific temperature, then forget it. Bi-level air ducts are positioned throughout the cab to promote even air flow. A reshaped X-beam track frame, D-type frame and rigid cab bed work together with the 6 silicone-filled rubber cushions to reduce noise and vibration.

Cab Safety

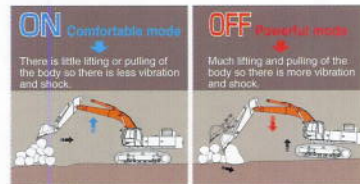
The CRES (Center pillar Reinforced Structure) rigid cab is designed with safety in mind. The closed-section pillar and reinforcing members at central areas withstand vertical and horizontal external forces. This can help reduce the potential of operator injury in the event of an accident.

Operator Command

For increased productivity in heavy-duty operations, select the H/P mode to automatically boost engine output. Four work modes increase overall performance.

Boom Mode Selector

The Boom Mode switch allows you to dampen the amount that the body can be lifted or pulled by the front of the machine. This reduces vibration and shock while contributing to a longer component service life.



Auto Acceleration

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

Lower Operating Costs

Strengthened components, longer lubrication intervals, reduced fuel consumption, 4,000-hour hydraulic oil and 1000-hour hydraulic oil filters extend Zaxis durability while reducing running and repair costs.

Work Modes

Four work modes have been enhanced from prior models.

ICX Monitoring

Zaxis excavators monitor and store a variety of operational data. This includes: alarms given, error records, hours of operation, engine speed distribution, average pump pressure distribution for digging and travel, radiator coolant temperature, fuel level, swing, travel and front operation, and more. This data can be downloaded in the field to a palm-type computer, then uploaded onto your office PC for analysis.

Easy-to-read monitor panel.



Cab design both guards the operator and contributes to efficient operation through its comfortable, ergonomic layout and its CRES design.



The powerful engine and hydraulic system work together to bring the maximum amount of excavating forces to the toughest of job sites.



ENGINE

Model	Isuzu BB-6WG1X
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
Rated power	
SAE J1349, net	395 hp (295 kW) @ 1,800 rpm (min ⁻¹)
Maximum torque	1,140 lbf•ft (157 kgf•m) @ 1,500 rpm (min ⁻¹)
Piston Displacement	957 in ³ (15 681 L)
Bore and stroke	5.7" x 6.1" (147 mm x 154 mm)
Batteries	2 x 12 V, 170 AH
Governor	Mechanical speed control by stepping motor

HYDRAULIC SYSTEM

Work mode selector allows operator to choose between General purpose, Trench digging mode, Attachment mode or Precision mode.

Engine speed sensing system.

Main pumps	2 variable displacement axial piston pumps
Max. oil flow	2 x 115 US gpm (2 x 434 L/min, 2 x 95 Imp gpm)
Pilot pump	1 gear pump
Max. oil flow	7.9 US gpm (30 L/min, 6.6 Imp gpm)

Hydraulic Motors

Travel	2 variable displacement axial piston motors
Swing	2 axial piston motors

Relief Valve Settings

Implement circuit	4,480 psi (315 kgf/cm ²)
Swing circuit	4,270 psi (300 kgf/cm ²)
Travel circuit	4,980 psi (350 kgf/cm ²)
Pilot circuit	570 psi (40 kgf/cm ²)

Hydraulic Cylinders

High-strength piston rod and tubes. Cylinder cushion mechanisms provided in all cylinders to absorb shocks at stroke ends.

Dimensions:

	Qty.	Bore	Rod Diameter
Boom	2	7.09" (180 mm)	4.92" (125 mm)
Arm	1	7.87" (200 mm)	5.51" (140 mm)
Bucket	1	7.09" (180 mm)	5.12" (130 mm)

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.

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	7.0 rpm (min ⁻¹)
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Operator's Cab

Independent roomy cab, 40" (1 005 mm) wide by 66" (1 675 mm) high, conforming to ISO Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Adjustable, reclining seat with armrests; movable with or without control levers and monitor panel.

CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil.

Implement levers	2
Travel levers with pedals	2

UNDERCARRIAGE

Tracks

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

Number of Rollers and Shoes on Each Side: Zaxis600LC

Upper rollers	3
Lower rollers	9
Track shoes	51
Track guard	3

Traction Device

Each track driven by axial piston motor through reduction gears for counter-rotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel, ensuring smooth stops.

Travel speeds	High: 0-3.1 mph (5.0 km/h)
	Low: 0-2.2 mph (3.5 km/h)

Maximum traction force	93,300 lbf (42 300 kgf)
Gradeability	35° (70%) continuous

SERVICE REFILL CAPACITIES

	US gal	Liters	Imp gal
Fuel tank	195.5	740.0	162.8
Engine coolant	25.9	98.0	21.6
Engine oil	14.5	55.0	12.1
Pump Drive	1.8	7.0	1.5
Swing mechanism (each side)	2.8	10.5	2.3
Travel final device (each side)	3.7	14.0	3.1
Hydraulic system	163.3	618.0	136.0
Hydraulic tank	81.9	310.0	68.2

WEIGHTS/GROUND PRESSURE

Standard North America backhoe model Zaxis 600LC:

24' 11" (7.6 m) boom, 11' 6" (3.5 m) arm, 3.8 yd³ (2.9 m³)

PCSA heaped bucket, 35" (900 mm) triple grouser shoes.

Weight: 129,190 lb (58 600 kg)

Ground pressure: 9.2 psi (0.65 kgf/cm²)

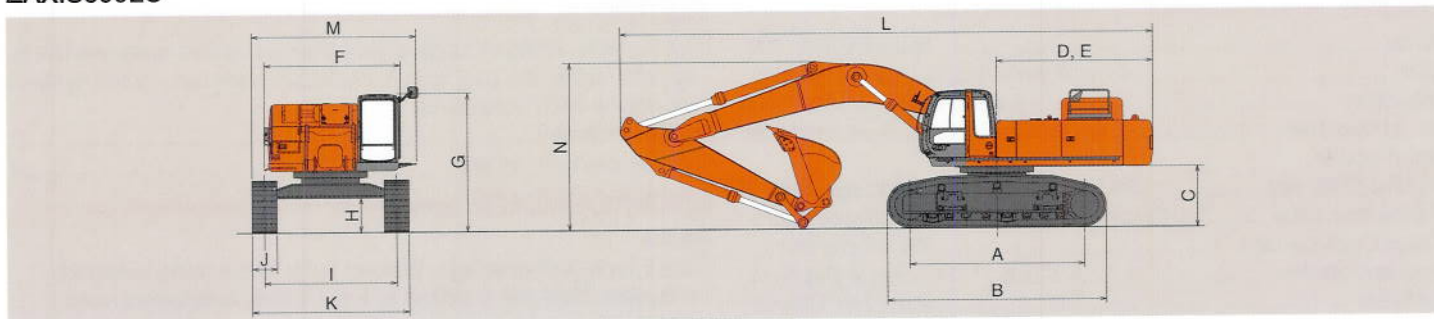
Other models available include 24" (600 mm) and 30" (750 mm) triple grouser shoes; Zaxis 600, 650H, 650LCH.

BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. Bucket is all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

DIMENSIONS/WORKING RANGES

ZAXIS600LC



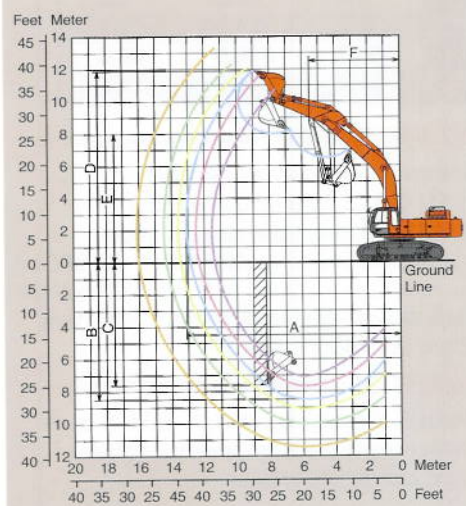
Unit: ft in (mm)

	ZAXIS600	ZAXIS600LC
A Distance between tumbler	13'11" (4 250)	15'1" (4 600)
B Undercarriage length	17'6" (5 330)	18'8" (5 680)
*C Counterweight clearance	4'9" (1 450)	4'9" (1 450)
D Rear-end swing radius	12'6" (3 800)	12'6" (3 800)
E Rear-end length	12'6" (3 800)	12'6" (3 800)
F Overall width of upperstructure	10'10" (3 310)	10'10" (3 310)
G Overall height of Cab	11'6" (3 500)	11'6" (3 500)
*H Min. ground clearance	2'8" (810)	2'8" (810)
I Track gauge	10'6" (3 200)	10'6" (3 200)
J Track shoe width	2'0" (600)	2'0" (600)
K Undercarriage width	12'6" (3 800)	12'6" (3 800)
L Overall length	13'11" (4 250)	13'11" (4 250)
M Overall width	13'1" (3 990)	13'1" (3 990)
N Overall height of boom	42'5" (12 940)	42'5" (12 940)

* Excluding track shoe lug.

WORKING RANGES

ZAXIS600LC



		ZAXIS600 / ZAXIS600LC					
	Boom	21'8"	24'11"				30'2"
		(6.6 m)	(7.6 m)				(9.2 m)
	Arm	9'6"	9'6"	11'6"	13'5"	17'1"	17'1"
		(2.9 m)	(2.9 m)	(3.5 m)	(4.1 m)	(5.2 m)	(5.2 m)
A	Max. digging reach	37'10"	41'11"	42'11"	44'8"	47'6"	52'11"
		(11 540)	(12 530)	(13 090)	(13 610)	(14 480)	(16 130)
*B	Max. digging depth	23'3"	25'11"	27'11"	29'10"	32'10"	37'7"
		(7 080)	(7 890)	(8 500)	(9 090)	(10 010)	(11 450)
*C	Max. vertical wall	16'10"	22'2"	25'0"	26'8"	29'1"	33'7"
		(5 140)	(6 760)	(7 610)	(8 130)	(8 870)	(10 230)
*D	Max. cutting height	35'4"	38'1"	39'0"	39'6"	40'4"	43'8"
		(10 770)	(11 610)	(11 880)	(12 030)	(12 300)	(13 320)
*E	Max. dumping height	22'11"	25'6"	26'3"	26'9"	29'0"	32'4"
		(6 980)	(7 770)	(8 000)	(8 150)	(8 830)	(9 860)
F	Min. swing radius	16'2"	18'7"	18'2"	18'1"	18'1"	22'2"
		(4 930)	(5 670)	(5 540)	(5 500)	(5 500)	(6 760)

* Excluding track shoe lug

BACKHOE BUCKETS

ZAXIS600LC

Capacity		Width		No. of teeth	Weight	Recommendation					
						ZAXIS600/ ZAXIS600LC					
PCSA heaped	CECE heaped	Without side cutters	With side cutters			21'8" (6.6 m)	24'11" (7.6 m)				30'2" (9.2 m)
						9'6" (2.9 m)	9'6" (2.9 m)	11'6" (3.5 m)	13'5" (4.1 m)	17'1" (5.2 m)	17'1" (5.2 m)
1.96 yd ³ (1.5 m ³)	1.3 m ³	46" (1 180 mm)	52" (1 320 mm)	4	3 400 lb (1 540 kg)	X / X	X / X	X / X	X / X	○ / ○	- / ○
2.62 yd ³ (2.0 m ³)	1.8 m ³	59" (1 490 mm)	64" (1 630 mm)	5	3 920 lb (1 780 kg)	X / X	X / X	X / X	X / X	○ / ○	- / -
3.01 yd ³ (2.3 m ³)	2.0 m ³	56" (1 420 mm)	61" (1 560 mm)	5	4 390 lb (1 990 kg)	X / X	○ / ○	○ / ○	○ / ○	X / X	- / X
3.27 yd ³ (2.5 m ³)	2.2 m ³	60" (1 530 mm)	66" (1 670 mm)	5	4 560 lb (2 070 kg)	X / X	○ / ○	○ / ○	○ / ○	X / X	- / X
3.53 yd ³ (2.7 m ³)	2.4 m ³	65" (1 640 mm)	70" (1 780 mm)	5	4 700 lb (2 130 kg)	X / X	○ / ○	○ / ○	- / ○	X / X	- / X
3.79 yd ³ (2.9 m ³)	2.5 m ³	68" (1 730 mm)	74" (1 870 mm)	5	4 940 lb (2 240 kg)	X / X	○ / ○	○ / ○	- / -	X / X	- / X
4.58 yd ³ (3.5 m ³)	3.1 m ³	73" (1 850 mm)	78" (1 990 mm)	5	5 970 lb (2 710 kg)	○ / ○	X / X	X / X	X / X	X / X	- / X
*1 3.66 yd ³ (2.8 m ³)	2.5 m ³	—	66" (1 670 mm)	5	5 970 lb (2 710 kg)	X / X	- / -	- / -	- / -	X / X	- / X
*1 4.32 yd ³ (3.3 m ³)	3.0 m ³	—	69" (1 750 mm)	5	6 570 lb (2 980 kg)	- / -	X / X	X / X	X / X	X / X	- / X
*2 1.96 yd ³ (1.5 m ³)	1.3 m ³	—	52" (1 310 mm)	3	6 720 lb (3 050 kg)	X / X	- / -	- / -	- / -	- / -	- / -
*2 2.35 yd ³ (1.8 m ³)	1.6 m ³	—	62" (1 570 mm)	3	8 070 lb (3 660 kg)	- / -	X / X	X / X	X / X	X / X	- / X
One point ripper				1	3 680 lb (1 670 kg)	- / -	X / X	X / X	X / X	X / X	- / X

*1 Rock bucket

*2 Ripper bucket

○ Suitable for materials with density of 1 800 kg/m³ (3 030 lb/yd³) or less

○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less

- Not applicable

X Can't install



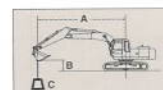
LIFTING CAPACITIES (ENGLISH)

Notes: 1. Ratings are based on SAE J1097.

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.



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

☐ Heavy-lifting system

 Rating over-side or 360 degrees

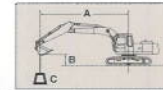
 Rating over-front

Unit: 1,000 lb

		Load radius																	
Conditions	Load point height	10 ft		15 ft		20 ft		25 ft		30 ft		35 ft		40 ft		At max. reach		ft in	
																			
ZAXIS600LC	25 ft									*17.3	*17.3					*9.1	*9.1	378"	
										*18.6	*18.6					*9.8	*9.8		
										*17.8	*17.8					*9.1	*9.1	397"	
	20 ft									*19.2	*19.2					*9.8	*9.8		
	15 ft									*19.3	*19.3	15.5	*17.6			*9.3	*9.3	407"	
										*29.4	*29.4	*23.9	*23.9	20.7	*20.7	15.5	*18.9		
										*33.6	*33.6	*25.5	*25.5	20.0	*21.1	15.0	*18.4	*9.8	*9.8
Arm 24'11"	10 ft								*35.9	*35.9	27.1	*27.1	20.0	*22.6	15.0	*19.8	*10.5	*10.5	410"
	5 ft																		
Bucket PCSA: 3.79 yd³		0 (Ground)																	
Shoes 35"	-5 ft																		
-10 ft																			
-15 ft																			
-20 ft																			
ZAXIS600LC	30 ft																		
	25 ft																		
	20 ft																		
Boom 24'11"	15 ft																		
Arm 13'5"	10 ft																		
Bucket PCSA: 3.27 yd³	5 ft																		
Shoes 35"	0 (Ground)																		
-5 ft																			
-10 ft																			
-15 ft																			
-20 ft																			
ZAXIS600LC	30 ft																		
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Boom 24'11"	15 ft																		
Arm 17'1"	10 ft																		
Bucket PCSA: 2.62 yd³	5 ft																		
Shoes 35"	0 (Ground)																		
-5 ft																			
-10 ft																			
-15 ft																			
-20 ft																			
-25 ft																			
ZAXIS600LC	25 ft																		
	20 ft																		
	15 ft																		
BE-boom 21'8"	10 ft																		
BE-arm 9'6"	5 ft																		
Bucket PCSA: 4.58 yd³	0 (Ground)																		
Shoes 35"	-5 ft																		

LIFTING CAPACITIES (METRIC)

- Notes: 1. Ratings are based on SAE J1097.
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3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.



A: Load radius
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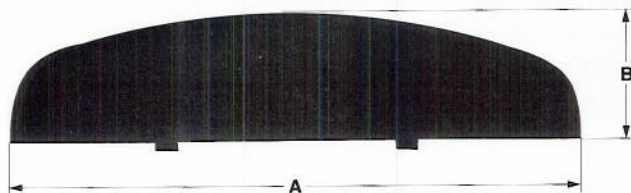
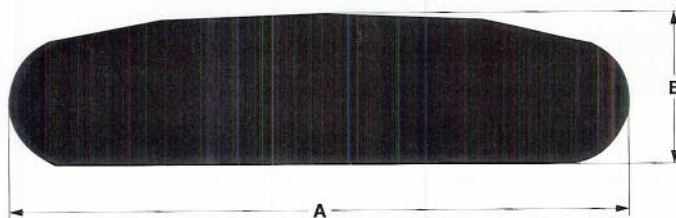
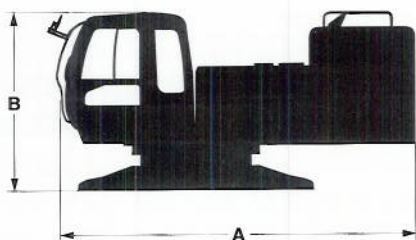
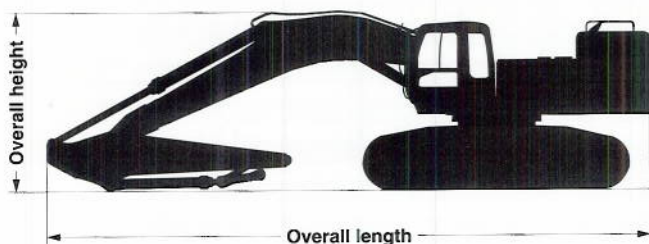
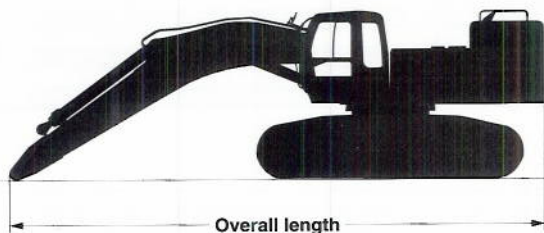
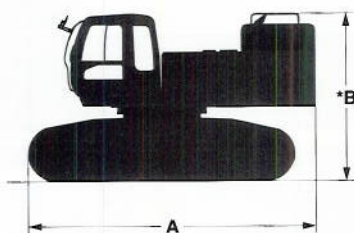
Heavy-lifting system		Rating over-side or 360 degrees				Rating over-front				Unit: 1 000 kg		C: Lifting capacity										
Conditions	Load point height	Load radius																At max. reach				
		4 m		5 m		6 m		7 m		8 m		9 m		10 m		11 m				12 m		
																				meter		
ZAXIS600LC	8 m												*7.9	*7.9						*4.1	*4.1	11.3
	6 m												*8.5	*8.5						*4.5	*4.5	
Boom 7.6 m	4 m												*8.7	*8.7	*8.2	*8.2	*7.9	*7.9		*4.1	*4.1	12.1
	2 m												*9.3	*9.3	*8.8	*8.8	8.2	*8.5		*4.4	*4.4	
Arm 3.5 m	4 m					*13.8	*13.8	*11.6	*11.6	*10.2	*10.2	*9.2	*9.2	7.9	*8.4	6.5	*7.9			*4.3	*4.3	12.5
	2 m					*14.7	*14.7	*12.4	*12.4	*10.9	*10.9	9.6	*9.8	7.9	*9.1	6.5	*8.4			*4.6	*4.6	
Bucket PCSA: 2.9 m³	0 (Ground)					17.1	*17.2	13.5	*13.9	10.9	*11.8	9.0	*10.3	7.5	*9.2	6.3	*8.4			*4.7	*4.7	12.5
	0 (Ground)					17.1	*18.4	13.5	*14.9	10.9	*12.6	9.0	*11.0	7.5	*9.9	6.3	*9.0			5.0	*5.0	
Shoes 900 mm	0 (Ground)					16.2	*18.7	12.8	*15.3	10.4	*12.9	8.6	*11.1	7.2	*9.7	6.1	*8.7			5.2	*5.3	12.1
	0 (Ground)					16.2	*19.9	12.8	*16.4	10.4	*13.8	8.6	*11.9	7.2	*10.5	6.1	*9.3			5.2	*5.7	
	-2 m	*11.5	*11.5	*20.4	*20.4	16.0	*18.3	12.5	*15.4	10.1	*13.0	8.4	*11.2	7.1	*9.7					5.9	*6.4	11.3
	-2 m	*12.2	*12.2	*21.5	*21.5	16.0	*19.5	12.5	*16.4	10.1	*14.0	8.4	*12.1	7.1	*10.5					5.9	*6.8	
	-4 m	*22.1	*22.1	*19.2	*19.2	16.2	*16.5	12.6	*14.1	10.2	*12.0	8.4	*10.2							*7.3	*7.3	
	-4 m	*23.6	*23.6	*20.6	*20.6	16.2	*17.6	12.6	*15.1	10.2	*12.9	8.4	*11.0							7.6	*7.9	9.9
	-6 m	*16.5	*16.5	*14.6	*14.6	*12.7	*12.7	*10.7	*10.7	*8.6	*8.6											
	-6 m	*17.8	*17.8	*15.7	*15.7	*13.6	*13.6	*11.6	*11.6	*9.3	*9.3											

ZAXIS600LC	9 m																			*3.5	*3.5	11.3
	8 m																			*3.8	*3.8	11.9
Boom 7.6 m	6 m											*5.5	*5.5							*3.4	*3.4	12.6
	4 m											*7.6	*7.6	*7.3	*7.3	*5.7	*5.7			*3.7	*3.7	13.0
Arm 4.1 m	2 m											*8.2	*8.2	*7.9	*7.9	*6.1	*6.1			*3.4	*3.4	13.0
	0 (Ground)											*9.3	*9.3	8.0	*8.6	6.7	*8.1			*3.9	*3.9	12.6
Bucket PCSA: 2.5 m³	0 (Ground)					*12.9	*12.9	16.4	*18.3	12.9	*15.0	10.5	*12.6	8.7	*10.9	7.2	*9.6	6.1	*8.5	*4.4	*4.4	11.8
	0 (Ground)					*13.7	*13.7	16.4	*19.6	12.9	*16.0	10.5	*13.5	8.7	*11.7	7.2	*10.3	6.1	*9.2	*4.8	*4.8	10.6
Shoes 900 mm	-2 m	*12.2	*12.2	*20.3	*20.3	16.0	*18.5	12.5	*15.4	10.1	*13.1	8.4	*11.2	7.0	*9.8	6.0	*8.5			*5.3	*5.3	8.5
	-2 m	*13.0	*13.0	*21.5	*21.5	16.0	*19.8	12.5	*16.5	10.1	*14.0	8.4	*12.1	7.0	*10.5	6.0	*9.2			*5.4	*5.7	
	-4 m	*23.2	*23.2	*20.5	*20.5	16.1	*17.2	12.5	*14.6	10.1	*12.4	8.3	*10.6	7.1	*9.0					*6.7	*7.0	
	-4 m	*24.5	*24.5	*21.9	*21.9	16.1	*18.4	12.5	*15.6	10.1	*13.3	8.3	*11.4	7.1	*9.7					*6.7	*7.4	
	-6 m	*19.3	*19.3	*16.5	*16.5	*14.1	*14.1	*12.0	*12.0	*10.0	*10.0									*6.3	*6.3	
	-6 m	*20.6	*20.6	*17.7	*17.7	*15.2	*15.2	12.8	*12.9	10.4	*10.8									*6.9	*6.9	
	-7 m	*15.4	*15.4	*13.4	*13.4	*11.5	*11.5	*9.5	*9.5													
	-7 m	*16.6	*16.6	*14.4	*14.4	*12.4	*12.4	*10.3	*10.3													

ZAXIS600LC	10 m													*4.5	*4.5					*3.2	*3.2	11.7
	8 m													*4.9	*4.9					*3.5	*3.5	12.8
Boom 7.6 m	6 m															*5.2	*5.2			*3.1	*3.1	13.5
	4 m															*6.7	*6.7	*6.6	*6.6	*5.0	*5.0	13.9
Arm 5.2 m	2 m															*7.2	*7.2	*7.1	*7.1	*5.4	*5.4	13.9
	0 (Ground)															*8.0	*8.0	*7.5	*7.5	*7.1	*7.1	13.5
Bucket PCSA: 2.0 m³	0 (Ground)															*8.6	*8.6	*8.1	*8.1	7.2	*7.7	13.9
	0 (Ground)															*9.4	*9.4	8.1	*8.5	6.8	*7.9	13.9
Shoes 900 mm	-2 m															*10.1	*10.1	8.1	*9.2	6.8	*8.5	13.5
	-2 m															*10.7	*10.7	7.7	*9.5	6.5	*8.5	12.9
	-4 m															*11.4	*11.4	7.7	*10.1	6.5	*9.2	11.7
	-4 m															*12.2	*12.2	7.3	*10.7	6.3	*9.5	10.0
	-6 m															*13.2	*13.2	8.5	*11.3	7.2	*9.8	
	-6 m															*14.1	*14.1	8.5	*12.2	7.2	*10.6	
	-8 m															*16.3	*16.3	12.8	*13.9	10.4	*11.8	
	-8 m															*17.5	*17.5	12.8	*14.9	10.4	*12.7	
																*16.5	*16.5	*13.9	*13.9	*11.8	*11.8	
																*17.7	*17.7	*15.0	*15.0	*12.7	*12.7	

ZAXIS600LC	7 m																						
	6 m																						
BE-Boom 6.6 m	4 m																						
	2 m																						
BE-Arm 2.9 m	0 (Ground)																						
	0 (Ground)																						
Bucket PCSA: 3.5 m³	-2 m																						
	-2 m																						
Shoes 900 mm	-4 m																						
	-4 m																						
	-5 m																						
	-5 m																						

TRANSPORTATION



Basic machine (without counterweight)

	Shoe width	A	B	Overall width	Weight
ZAXIS600	24" (600 mm)	18'10" (5 730 mm)	11'4" (3 450 mm)	10'10" (3 300 mm)	74 500 lb (33 800 kg)
	30" (750 mm)	18'10" (5 730 mm)	11'4" (3 450 mm)	11'4" (3 450 mm)	76 300 lb (34 600 kg)
	35" (900 mm)	18'10" (5 730 mm)	11'4" (3 450 mm)	11'0" (3 600 mm)	78 100 lb (35 400 kg)
ZAXIS600LC	24" (600 mm)	19'4" (5 900 mm)	11'4" (3 450 mm)	10'10" (3 300 mm)	76 500 lb (34 700 kg)
	30" (750 mm)	19'4" (5 900 mm)	11'4" (3 450 mm)	11'4" (3 450 mm)	78 300 lb (35 500 kg)
	35" (900 mm)	19'4" (5 900 mm)	11'4" (3 450 mm)	11'0" (3 600 mm)	80 000 lb (36 300 kg)

* Overall height of Headguard-integrated cab.

Basic machine (with boom)

	Boom length	Overall length
ZAXIS600, ZAXIS600LC	24'11" (7.6 m) 24'11" (7.6 m) H-boom	34'11" (10 650 mm)
ZAXIS600 ZAXIS600LC	21'8" (6.6 m) BE-boom	31'6" (9 600 mm)

Basic machine (with boom and arm)

	Front	Overall height	Overall length
ZAXIS600	24'11" (7.6 m) boom & 11'6" (3.5 m) arm	11'10" (3 600 mm)	39'4" (12 000 mm)
ZAXIS600LC	24'11" (7.6 m) boom & 13'5" (4.1 m) arm	11'11" (3 620 mm)	39'4" (12 000 mm)

Upperstructure

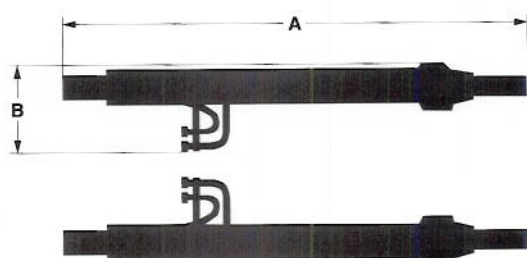
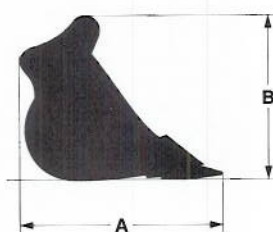
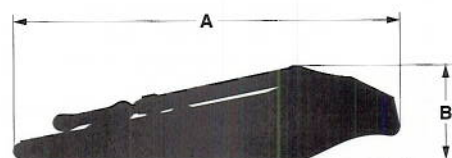
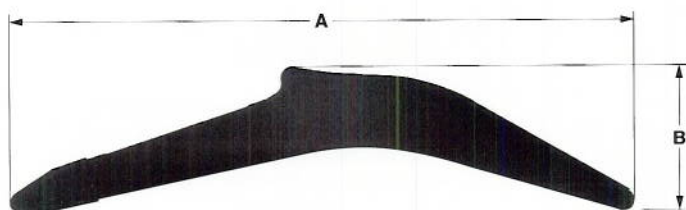
	A	B	Overall width	Weight
ZAXIS600	16'3" (4 950 mm)	8'6" (2 600 mm)	10'10" (3 290 mm)	41 000 lb (18 300 kg)

Side frame

	Shoe width	A	B	Overall width	Weight
ZAXIS600	24" (600 mm)	17'6" (5 330 mm)	4'4" (1 310 mm)	2'4" (720 mm)	17 000 lb (7 700 kg)
	30" (750 mm)	17'6" (5 330 mm)	4'4" (1 310 mm)	2'7" (790 mm)	17 900 lb (8 100 kg)
	35" (900 mm)	17'6" (5 330 mm)	4'4" (1 310 mm)	2'11" (900 mm)	18 700 lb (8 500 kg)
ZAXIS600LC	24" (600 mm)	18'8" (5 680 mm)	4'4" (1 310 mm)	2'4" (720 mm)	18 100 lb (8 200 kg)
	30" (750 mm)	18'8" (5 680 mm)	4'4" (1 310 mm)	2'7" (790 mm)	19 000 lb (8 600 kg)
	35" (900 mm)	18'8" (5 680 mm)	4'4" (1 310 mm)	2'11" (900 mm)	19 800 lb (9 000 kg)

Counterweight

A	B	Overall height	Weight
10'0" (3 210 mm)	2'7" (790 mm)	4'1" (1 250 mm)	23 200 lb (10 500 kg)



Boom

	A	B	Overall width	Weight
21'8" (6.6 m) BE-boom	22'7" (6 880 mm)	7'7" (2 320 mm)	3'10" (1 180 mm)	11 600 lb (5 250 kg)
24'11" (7.6 m)	25'10" (7 880 mm)	6'8" (2 020 mm)	3'10" (1 180 mm)	11 600 lb (5 250 kg)
24'11" (7.6 m) H-boom	25'10" (7 880 mm)	6'8" (2 020 mm)	3'10" (1 180 mm)	12 300 lb (5 600 kg)
30'2" (9.2 m)	31'1" (9 480 mm)	6'9" (2 070 mm)	3'10" (1 180 mm)	13 800 lb (6 240 kg)

Arm

	A	B	Overall width	Weight
9'6" (2.9 m) BE-arm	14'1" (4 290 mm)	4'9" (1 440 mm)	2'7" (790 mm)	7 120 lb (3 230 kg)
9'6" (2.9 m)	14'1" (4 290 mm)	4'9" (1 440 mm)	2'7" (790 mm)	7 010 lb (3 180 kg)
11'6" (3.5 m)	16'0" (4 880 mm)	3'11" (1 200 mm)	2'7" (790 mm)	6 640 lb (3 010 kg)
13'5" (4.1 m)	17'11" (5 450 mm)	3'11" (1 200 mm)	2'7" (790 mm)	7 100 lb (3 220 kg)
17'1" (5.2 m)	21'5" (6 540 mm)	3'9" (1 140 mm)	2'7" (790 mm)	8 860 lb (3 110 kg)
11'6" (3.5 m) H-arm	16'1" (4 900 mm)	4'0" (1 210 mm)	2'7" (790 mm)	7 080 lb (3 210 kg)

Bucket

Capacity		A	B	Overall width	Weight
PCSA heaped	CECE heaped				
1.96 yd ³ (1.5 m ³)	1.3 m ³	6'7" (2 010 mm)	5'2" (1 570 mm)	52" (1 320 mm)	3 400 lb (1 540 kg)
2.35 yd ³ (1.8 m ³)	1.8 m ³	6'7" (2 010 mm)	5'2" (1 570 mm)	64" (1 630 mm)	3 920 lb (1 780 kg)
3.01 yd ³ (2.3 m ³)	2.0 m ³	7'0" (2 140 mm)	5'9" (1 750 mm)	61" (1 560 mm)	4 390 lb (1 990 kg)
3.27 yd ³ (2.5 m ³)	2.2 m ³	7'0" (2 140 mm)	5'9" (1 750 mm)	66" (1 670 mm)	4 560 lb (2 070 kg)
3.53 yd ³ (2.7 m ³)	2.4 m ³	7'0" (2 140 mm)	5'9" (1 750 mm)	70" (1 780 mm)	4 700 lb (2 130 kg)
3.79 yd ³ (2.9 m ³)	2.5 m ³	7'0" (2 140 mm)	5'9" (1 750 mm)	74" (1 870 mm)	4 940 lb (2 240 kg)
4.58 yd ³ (3.5 m ³)	3.1 m ³	7'1" (2 160 mm)	6'0" (1 840 mm)	78" (1 990 mm)	5 970 lb (2 710 kg)

Boom cylinders

1 150 lb (520 kg) × 2

A	B	Overall height
8'9" (2 660 mm)	1'8" (520 mm)	1'2" (360 mm)

Hose of Boom cylinders

7 lb (6 kg) × 4

A	B
3'8" (1 120 mm)	1.6" (41 mm)

Left sidewalk

	A	B	Overall width	Weight
Front	6'4" (1 920 mm)	1'5" (430 mm)	5.1" (130 mm)	88 lb (40 kg)
Reverse	7'11" (2 410 mm)	1'1" (340 mm)	5.1" (130 mm)	88 lb (40 kg)

EQUIPMENT

STANDARD EQUIPMENT

ENGINE

- H/P mode control
- E mode control
- 50 A alternator
- Dry-type air double filters with evacuator valve (with safety element)
- 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) design
- All-weather sound-suppressed steel cab
- Tinted (bronze color) glass windows
- 6 fluid-filled elastic mounts
- Upper and lower front windows and left side windows that open
- 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

- Cigarette lighter
- Ashtray
- Storage box
- Glove compartment
- Floor mat
- Pilot control shut-off lever
- Engine stop knob
- Auto-control air conditioning

MONITOR SYSTEM

- Meters:
 - Hourmeter, 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
- 23,100 lb (10 500 kg) counterweight
- Fuel level float
- Hydraulic oil level gauge
- Tool box
- Rearview mirror (right and left side)
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Travel motion alarm device
- Track guards and hydraulic track adjuster
- Idler track guard
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 35" (900 mm) 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
- 24' 11" (7.6 m) boom
- 11' 6" (3.5 m) arm
- 3.8 yd³ (2.9 m³) PCSA heaped bucket

MISCELLANEOUS

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

OPTIONAL EQUIPMENT

- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- 2 cab lights (only CRES cab)
- Auto-grease lubricator
- Electric grease gun
- Ladder
- Attachment basic piping
- Accessories for breaker & crusher
- Right sidewalk
- Accessories for 2 speed selector
- Front glass upper & lower guard
- Full Track guard
- Counterweight removal device
- Double grouser shoe
- 24" (600 mm) triple grouser shoes
- 30" (750 mm) triple grouser shoes

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.

HITACHI

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