

A large orange Hitachi excavator is shown in a rugged, mountainous environment. The excavator is positioned on a rocky, uneven terrain, and its arm is extended upwards. The background features snow-capped mountains under a blue sky with scattered clouds. The excavator's body is primarily orange, with the word "HITACHI" printed in white on the side of the boom. The operator's cab is visible, showing a person wearing a yellow hard hat and operating the machine. The overall scene conveys a sense of heavy-duty construction work in a challenging environment.

HITACHI

ZX250LC-6
ZX300LC-6

CONSTRUCTION EXCAVATORS



EXCAVATOR FOCUSED. NO DISTRA

Packed with productivity-boosting advantages, the ZX250LC-6 and ZX300LC-6 bring efficiency, reliability and durability to your jobsites with a fuel-efficient engine that meets rigid emission standards. Upgraded comfort in the cab along with easy-to-operate controls and programmable modes provide smooth and responsive hydraulics, making these machines productive powerhouses.

With these excavators,

■ **YOU COMPROMISE ON
NOTHING.**

ZX250LC-6
ZX300LC-6

CTIONS.

ZX250LC-6
ZX300LC-6

TACKLE YOUR TOUGHEST JOBS.

The ZX250LC-6 and ZX300LC-6 deliver smooth responsiveness and multifunction operation with our exclusive HIOS III hydraulic system.

Plus, choose from three work modes to fit the task. High Productivity (H/P) delivers more power and faster hydraulic response. Power (PWR) delivers a balance of power and speed, plus fuel economy for normal operation. Economy (ECO) maximizes fuel efficiency while delivering an enhanced level of productivity.

These workhorses offer
■ **RELIABLE PRODUCTIVITY.**



SINGLE-PEDAL PROPEL

An optional, hydraulic, single-pedal propel system allows straight-line machine tracking without articulating both hand and foot pedals.



AUXILIARY LINES

Optional auxiliary hydraulic lines with combination piping increase machine versatility.



ENGINE AIR PRE-CLEANER

An optional, adjustable, rotary pre-cleaner pulls clean air into the engine when working in tough conditions.





EFFICIENT FUEL SYSTEM

The pressurized fuel system improves fuel injector operation, and the fuel recirculation system helps prevent fuel gelling in cold climates – so you can maintain maximum productivity.

HIOS III HYDRAULIC SYSTEM

The HIOS III hydraulic system balances engine performance with hydraulic flow – returning the arm to dig faster.

FT4 TECHNOLOGY

Our field-proven technology is simple and efficient, employing cooled exhaust gas recirculation (EGR), a diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR). An improved piston design allows particulate matter to be burned in cylinder, so there's no need for a diesel particulate filter (DPF).



GRADE-REFERENCE READY

Whatever your grade system, Topcon, Trimble or Leica, Hitachi offers a grade reference ready package that reduces installation time by half.

PREMIUM SEATING

Operators get maximum support from a sculpted mechanical suspension high-back seat. For ultimate comfort, opt for the premium heated/cooled leather seat that adjusts three ways and includes a 3-inch high-visibility orange seat belt.

OPTIONAL LIGHTING

Optional cab and right-side boom lights provide extra illumination to extend your production.

CLIMATE CONTROL

Automatic, high-velocity bi-level climate-control system with automotive-style adjustable louvers helps keep the glass clear, the cab comfortable and the operator productive.

ZX250LC-6
ZX300LC-6

MAXIMUM COMFORT FOR MAXIMUM PRODUCTIVITY.

Operators are set for success inside our spacious cabs – now four inches wider. Premium seat options ensure comfort, and silicone-filled cab mounts isolate noise and vibration. A multifunction LCD monitor, programmable attachment modes, low-effort controls, expanded visibility and more features contribute to productivity.

These cabs keep operators
■ **COMFORTABLE,
SAFE AND EFFICIENT.**

PROGRAMMABLE ATTACHMENT MODE

Control oil flow and toggle between dig and thumb modes with a programmable thumb-attachment mode.

EASY MONITORING

Multi-language LCD monitor and rotary dial provide intuitive access to machine info and functions. Just turn and tap to select work modes, monitor maintenance intervals, check diagnostic codes and set cab temperature. A USB port keeps you digitally connected.

SMOOTH OPERATION

Ergonomically correct short-throw pilot levers provide smooth, precise control with less effort. Pushbuttons in the right lever allow control of auxiliary hydraulic flow for attachments. Optional sliding switch provides proportional speed control, giving you full command from your fingertips.

ENHANCED VISIBILITY

Get unobstructed all-around visibility thanks to a new hood design paired with a wide expanse of front, side, and overhead glass and mirrors.

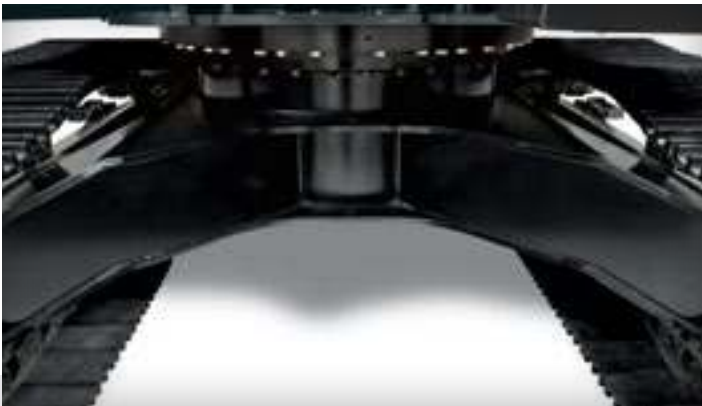


ZX250LC-6
ZX300LC-6

ROCK-SOLID DURABILITY.

The ZX250LC-6 and ZX300LC-6 are built to outwork and outlast. They're protected by a heavy-duty undercarriage and durable D-channel side frames. Added strength comes from welded bulkheads within the boom that resist torsional stress, tungsten-carbide thermal-coated arm surfaces and oil-impregnated bushings. The boom, arm and mainframe are so tough, they're warranted for three years or 10,000 hours, whichever comes first.

Dash-6 excavators are your
■ **LONG-TERM WORKHORSES.**



ROCK-SOLID FRAME

Thick-plate single-sheet mainframe, box-section track frames and industry-exclusive double-seal swing bearing deliver rock-solid durability.

ADDED UNDERCOVERS

Standard main frame undercovers and an optional track frame undercover provide an extra layer of protection.

ADDED TRACK GUIDES

With large idlers, rollers and strutted track links, the sealed and lubricated undercarriage is built for the long haul. Three standard track guides reduce chain snaking and increase stability for side loading.





TOUGH BOOM & ARM

A redesigned boom and arm and larger hydraulic pumps make the ZX300LC-6 even tougher.

REINFORCED SIDE FRAMES

Reinforced D-channel side frames provide maximum cab and component impact protection.

PROTECTED JOINTS

Tungsten-carbide coated wear surfaces protect the critical bucket-to-arm joint.

EXTENDED SERVICE INTERVALS

Oil-impregnated bushings enhance durability and extend lube intervals to 500 hours for the arm-and-boom joint and 100 hours for the bucket joint.



STANDARD HANDRAILS

Upperstructure handrails provide added safety when servicing the engine compartment, and a larger hood gives you better engine accessibility.

AUTO-IDLE & AUTO-SHUTDOWN

Auto-idle, which reduces engine speeds to 800 rpm, and auto-shutdown contribute to fuel efficiency.

ACCESSIBLE EFFICIENCY

The standard pattern-control switch, battery disconnect switch and fuel shutoff are easily accessible in the rear door behind the cab.

NO DPF NEEDED

The FT4 engine solution does not require a diesel particulate filter (DPF), saving service time and lowering operating costs.

ZX250LC-6
ZX300LC-6

MINIMIZE MAINTENANCE. MAXIMIZE UPTIME.

Defeat downtime with the ZX250LC-6 and ZX300LC-6. No diesel particulate filter (DPF) is needed with the FT4 engine solution. Convenient upperstructure handrails provide easy engine access. A standard pattern-control switch and fuel shutoff contribute to efficiency. Grouped service points and extended service intervals help maximize uptime. Scheduled maintenance is easy to track using ZXLink™ and the in-cab diagnostic monitor.

With these machines, you get
■ **OPTIMIZED OPERATION.**



MONITOR LEVELS

Easy-to-navigate LCD monitor issues scheduled maintenance alerts and diagnostic information. Additionally, the hydraulic temperature gauge on the monitor screen helps prevent downtime.



CENTRALIZED SERVICING

Centralized lube banks place greasing zerks within easy reach, making greasing less messy and time-consuming.



GROUPED FILTERS

Engine oil, fuel and hydraulic pilot oil filters are all located on the same side at ground level for easy servicing.

SPECIFICATIONS

ZX250LC-6

Engine	ZX250LC-6		
Manufacturer and Model	Isuzu 4HK1		
Non-Road Emission Standard	EPA Final Tier 4 / EU Stage IV		
Net Rated Power (ISO 9249)	132 kW (177 hp) at 2,000 rpm		
Cylinders	4		
Displacement	5.19 L (317 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling	High efficiency direct-driven, suction-type fan		
Powertrain	2-speed propel with automatic shift		
Maximum Travel Speed			
Low	3.4 km/h (2.1 mph)		
High	5.5 km/h (3.4 mph)		
Drawbar Pull	21 924 kg (48,334 lb.)		
Hydraulics	Open center, load sensing		
Main Pumps	2 variable-displacement pumps		
Maximum Rated Flow	224 L/m (59.2 gpm) x 2		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 000 kPa (5,076 psi)		
Swing	32 400 kPa (4,699 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short-stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders	Bore	Rod Diameter	Stroke
Boom (2)	125 mm (4.9 in.)	90 mm (3.5 in.)	1390 mm (54.7 in.)
Arm (1)	140 mm (5.5 in.)	100 mm (3.9 in.)	1610 mm (63.4 in.)
Bucket (1)	130 mm (5.1 in.)	90 mm (3.5 in.)	1075 mm (42.3 in.)
Electrical	Number of Batteries (12 volt)		
	2		
Battery Capacity	1,000 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen (one mounted on boom, one on frame)		
Undercarriage	Rollers (each side)		
	Carrier		
	2		
	Track		
	9		
	Shoes, Triple Semi-Grousers (each side)		
	51		
	Track		
	Adjustment		
	Hydraulic		
	Guides		
	3 per side		
	Chain		
	Sealed and lubricated		
Ground Pressure	Triple Semi-Grouser Shoes		
	600-mm (24 in.)		
	48.8 kPa (7.07 psi)		
	700-mm (28 in.)		
	42.3 kPa (6.14 psi)		
	800-mm (32 in.)		
	37.6 kPa (5.45 psi)		
Swing Mechanism	Speed		
	13.5 rpm		
	Torque		
	71 000 Nm (52,367 lb.-ft.)		

Serviceability ZX250LC-6

Refill Capacities

Fuel Tank	510 L (135 gal.)
Diesel Exhaust Fluid (DEF) Tank	70 L (18 gal.)
Cooling System	34 L (9 gal.)
Engine Oil with Filter	26 L (7 gal.)
Hydraulic Tank	156 L (41 gal.)
Hydraulic System	290 L (77 gal.)
Swing Drive	9.1 L (9.6 qt.)
Gearbox	
Propel (each)	7.8 L (8.2 qt.)
Pump Drive	1.1 L (1.2 qt.)

Operating Weights

With full fuel tank; 79-kg (175 lb.) operator; 1.0-m³ (1.31 cu. yd.), 1067-mm (42 in.), 852-kg (1,878 lb.) bucket; 3.61-m (11 ft. 10 in.) arm; 5600-kg (12,346 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes

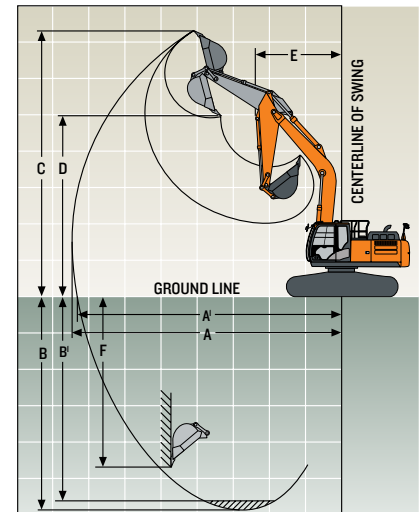
Operating Weight 25 463 kg (56,136 lb.)

Component Weights

Undercarriage w/ Triple Semi-Grouser Shoes	
600 mm (24 in.)	8077 kg (17,807 lb.)
700 mm (28 in.)	8460 kg (18,651 lb.)
800 mm (32 in.)	8744 kg (19,277 lb.)
One-Piece Boom (with arm cylinder)	
Arm with Bucket Cylinder and Linkage	
2.50 m (8 ft. 2 in.)	1225 kg (2,701 lb.)
2.96 m (9 ft. 9 in.)	1304 kg (2,858 lb.)
3.61 m (11 ft. 10 in.)	1396 kg (3,078 lb.)
Boom Lift Cylinders (2) Total Weight	408 kg (899 lb.)

Operating Dimensions

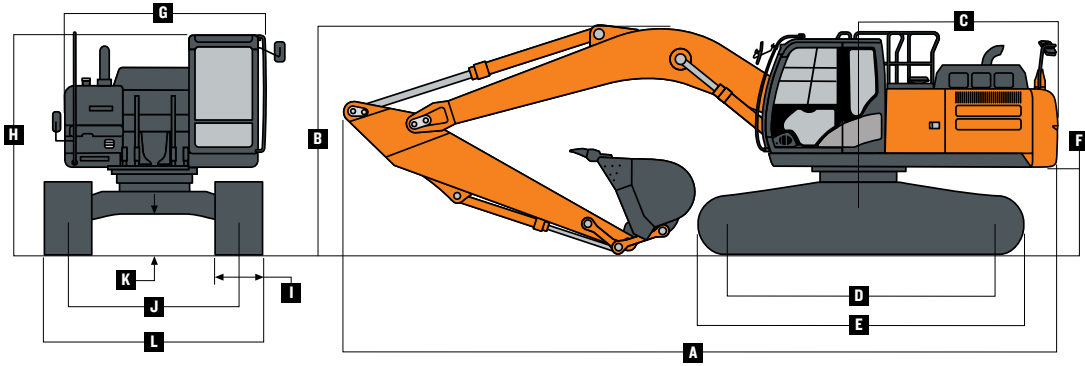
	2.50 m (8 ft. 2 in.)	2.96 m (9 ft. 9 in.)	3.61 m (11 ft. 10 in.)
Arm Length	2.50 m (8 ft. 2 in.)	2.96 m (9 ft. 9 in.)	3.61 m (11 ft. 10 in.)
Arm Digging Force			
SAE	154 kN (34,621 lb.)	126 kN (29,023 lb.)	109 kN (25,224 lb.)
ISO	158 kN (35,520 lb.)	131 kN (29,450 lb.)	114 kN (25,628 lb.)
Bucket Digging Force			
SAE	164 kN (36,869 lb.)	164 kN (36,869 lb.)	164 kN (36,869 lb.)
ISO	189 kN (42,489 lb.)	189 kN (42,489 lb.)	189 kN (42,489 lb.)
A Maximum Reach	9.88 m (32 ft. 5 in.)	10.29 m (33 ft. 9 in.)	10.91 m (35 ft. 10 in.)
A' Maximum Reach at Ground Level	9.69 m (31 ft. 9 in.)	10.11 m (33 ft. 2 in.)	10.75 m (35 ft. 3 in.)
B Maximum Digging Depth	6.50 m (21 ft. 4 in.)	6.96 m (22 ft. 10 in.)	7.61 m (25 ft.)
B' Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	6.26 m (20 ft. 6 in.)	6.75 m (22 ft. 2 in.)	7.44 m (24 ft. 5 in.)
C Maximum Cutting Height	9.95 m (32 ft. 8 in.)	10.16 m (33 ft. 4 in.)	10.56 m (34 ft. 8 in.)
D Maximum Dumping Height	6.99 m (22 ft. 11 in.)	7.20 m (23 ft. 7 in.)	7.58 m (24 ft. 10 in.)
E Minimum Swing Radius	3.48 m (11 ft. 5 in.)	3.44 m (11 ft. 3 in.)	3.43 m (11 ft. 3 in.)
F Maximum Vertical Wall	5.58 m (18 ft. 4 in.)	6.03 m (19 ft. 9 in.)	6.74 m (22 ft. 1 in.)



SPECIFICATIONS

ZX250LC-6

Machine Dimensions	ZX250LC-6
A Overall Length w/ Arm	
2.50 m (8 ft. 2 in.)	10.47 m (34 ft. 4 in.)
2.96 m (9 ft. 9 in.)	10.35 m (33 ft. 11 in.)
3.61 m (11 ft. 10 in.)	10.41 m (34 ft. 2 in.)
B Overall Height w/ Arm	
2.50 m (8 ft. 2 in.)	3.37 m (11 ft. 1 in.)
2.96 m (9 ft. 9 in.)	3.07 m (10 ft. 1 in.)
3.61 m (11 ft. 10 in.)	3.14 m (10 ft. 4 in.)
C Rear-End Length/Swing Radius	3.14 m (10 ft. 4 in.)
D Distance Between Idler/Sprocket Centerline	3.84 m (12 ft. 7 in.)
E Undercarriage Length	4.64 m (15 ft. 3 in.)
F Counterweight Clearance	1.09 m (3 ft. 7 in.)
G Upperstructure Width	2.89 m (9 ft. 6 in.)
H Cab Height	3.02 m (9 ft. 11 in.)
I Track Width w/ Triple Semi-Grouser Shoes	600 mm (24 in.) / 700 mm (28 in.) / 800 mm (32 in.)
J Gauge Width	2.59 m (8 ft. 6 in.)
K Ground Clearance	0.46 m (18 in.)
L Overall Width w/ Triple Semi-Grouser Shoes	
600 mm (24 in.)	3.19 m (10 ft. 6 in.)
700 mm (28 in.)	3.29 m (10 ft. 9 in.)
800 mm (32 in.)	3.39 m (11 ft. 1 in.)



Lift Charts

ZX250LC-6

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 851-kg (1,876 lb.) bucket; standard gauge; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567.

Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)		9.0 m (30 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 2.96-m (9 ft. 9 in.) arm, 851-kg (1,876 lb.) bucket and 600-mm (24 in.) shoes												
6.0 m (20 ft.)							5040	5040	4190	4190		
							(11,040)	(11,040)				
4.5 m (15 ft.)					6990	6990	5830	5830	5280	4110		
					(15,020)	(15,020)	(12,640)	(12,640)	(11,550)	(8,800)		
3.0 m (10 ft.)					9370	9120	6930	6930	5750	5810	3940	
					(20,110)	(19,670)	(14,990)	(12,370)	(12,630)	(8,470)		
1.5 m (5 ft.)					11 410	8450	8010	5420	6040	3780		
					(24,580)	(18,210)	(17,320)	(11,660)	(12,970)	(8,110)		
Ground Line					12 370	8130	8480	5190	5900	3650		
					(26,750)	(17,480)	(18,210)	(11,180)	(12,680)	(7,850)		
-1.5 m (-5 ft.)			8640	8640	12 380	8050	8370	5100	5850	3600		
			(19,680)	(19,680)	(26,810)	(17,300)	(17,980)	(10,970)	(12,570)	(7,750)		
-3.0 m (-10 ft.)	10 140	10 140	14 820	14 820	11 560	8140	8410	5140				
	(22,820)	(22,820)	(33,800)	(33,800)	(25,000)	(17,490)	(18,080)	(11,060)				
-4.5 m (-15 ft.)			13 500	13 500	9590	8390						
			(28,980)	(28,980)	(20,500)	(18,060)						
With 2.96-m (9 ft. 9 in.) arm, 851-kg (1,876 lb.) bucket and 700-mm (28 in.) shoes												
6.0 m (20 ft.)							5040	5040	4190	4190		
							(11,040)	(11,040)				
4.5 m (15 ft.)					6990	6990	5830	5830	5280	5280		
					(15,020)	(15,020)	(12,640)	(12,640)	(11,550)	(11,550)		
3.0 m (10 ft.)					9370	9370	6930	6930	5810	5810		
					(20,110)	(20,110)	(14,990)	(14,990)	(12,630)	(12,630)		
1.5 m (5 ft.)					11 410	11 410	8010	8010	6150	6150		
					(24,580)	(24,580)	(17,320)	(17,320)	(13,210)	(13,210)		
Ground Line					12 370	12 370	8620	8620	6010	6010		
					(26,750)	(26,750)	(18,530)	(18,530)	(12,910)	(12,910)		
-1.5 m (-5 ft.)			8640	8640	12 380	12 380	8520	8520	5950	5950		
			(19,680)	(19,680)	(26,810)	(26,810)	(18,300)	(18,300)	(12,800)	(12,800)		
-3.0 m (-10 ft.)	10 140	10 140	14 820	14 820	11 560	11 560	8460	8460				
	(22,820)	(22,820)	(33,800)	(33,800)	(25,000)	(25,000)	(18,230)	(18,230)				
-4.5 m (-15 ft.)			13 500	13 500	9590	9590						
			(28,980)	(28,980)	(20,500)	(20,500)						
With 2.96-m (9 ft. 9 in.) arm, 851-kg (1,876 lb.) bucket and 800-mm (32 in.) shoes												
6.0 m (20 ft.)							5040	5040	4190	4190		
							(11,040)	(11,040)				
4.5 m (15 ft.)					6990	6990	5830	5830	5280	4230		
					(15,020)	(15,020)	(12,640)	(12,640)	(11,550)	(9,070)		
3.0 m (10 ft.)					9370	9360	6930	5910	5810	4070		
					(20,110)	(20,110)	(14,990)	(12,720)	(12,630)	(8,730)		
1.5 m (5 ft.)					11 410	8690	8010	5580	6220	3900		
					(24,580)	(18,720)	(17,320)	(12,010)	(13,360)	(8,370)		
Ground Line					12 370	8370	8730	5360	6080	3770		
					(26,750)	(17,990)	(18,740)	(11,520)	(13,070)	(8,110)		
-1.5 m (-5 ft.)			8640	8640	12 380	8290	8620	5260	6,030	3720		
			(19,680)	(19,680)	(26,810)	(17,810)	(18,510)	(11,320)	(12,960)	(8,010)		
-3.0 m (-10 ft.)	10 140	10 140	14 820	14 820	11 560	8370	8460	5300				
	(22,820)	(22,820)	(33,800)	(33,800)	(25,000)	(18,000)	(18,230)	(11,400)				
-4.5 m (-15 ft.)			13 500	13 500	9590	8630						
			(28,980)	(28,980)	(20,500)	(18,570)						

SPECIFICATIONS

ZX250LC-6

Lift Charts (continued) ZX250LC-6

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 851-kg (1,876 lb.) bucket; standard gauge; and situated on firm, uniform supporting surface. Total load includes weight of cables, hook, etc. Figures do not exceed 87 percent of hydraulic capacities or 75 percent of weight needed to tip machine. All lift capacities are based on ISO 10567.

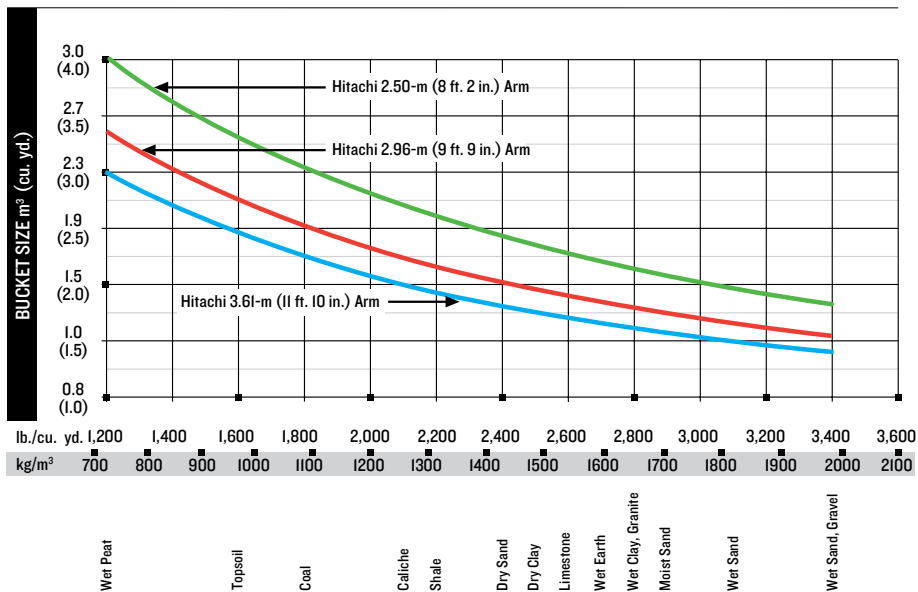
Load Point Height	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)		9.0 m (30 ft.)	
Horizontal Distance from Centerline of Rotation	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
With 3.61-m (11 ft. 10 in.) arm, 851-kg (1,876 lb.) bucket and 600-mm (24 in.) shoes												
6.0 m (20 ft.)							4290	4290	3990	3990		
							(9,400)	(9,400)	(8,480)	(8,480)		
4.5 m (15 ft.)							5120	5120	4740	4180		
							(11,100)	(11,100)	(10,300)	(8,960)		
3.0 m (10 ft.)					8210	8210	6280	5860	5340	3990	3710	2830
			(28,820)	(28,820)	(17,640)	(17,640)	(13,580)	(12,610)	(11,610)	(8,570)	(7,190)	(6,040)
1.5 m (5 ft.)					10 530	8640	7480	5490	6000	3800	4350	2730
					(22,680)	(18,600)	(16,180)	(11,810)	(13,020)	(8,150)	(8,490)	(5,850)
Ground Line			4660	4660	11 950	8170	8400	5210	5890	3640	4260	2660
			(10,740)	(10,740)	(25,830)	(17,570)	(18,180)	(11,200)	(12,660)	(7,810)	(7,770)	(5,700)
-1.5 m (-5 ft.)	4520	4520	7870	7870	12 390	7990	8330	5060	5790	3550		
	(10,150)	(10,150)	(17,910)	(17,910)	(26,820)	(17,160)	(17,890)	(10,870)	(12,450)	(7,620)		
-3.0 m (-10 ft.)	8200	8200	12 340	12 340	11 980	8000	8310	5040	5800	3550		
	(18,440)	(18,440)	(28,100)	(28,100)	(25,910)	(17,180)	(17,840)	(10,830)	(12,480)	(7,650)		
-4.5 m (-15 ft.)	12 810	12 810	15 370	15 370	10 590	8170	7640	5160				
	(28,980)	(28,980)	(33,080)	(33,080)	(22,760)	(17,580)	(16,280)	(11,120)				
-6.0 m (-20 ft.)					7300	7300						
With 3.61-m (11 ft. 10 in.) arm, 851-kg (1,876 lb.) bucket and 700-mm (28 in.) shoes												
6.0 m (20 ft.)							4290	4290	3990	3990		
							(9,400)	(9,400)	(8,480)	(8,480)		
4.5 m (15 ft.)							5120	5120	4740	4250		
							(11,100)	(11,100)	(10,300)	(9,120)		
3.0 m (10 ft.)					8210	8210	6280	5960	5340	4070	3710	2890
			(28,820)	(28,820)	(17,640)	(17,640)	(13,580)	(12,820)	(11,610)	(8,730)	(7,190)	(6,170)
1.5 m (5 ft.)					10 530	8780	7480	5580	6000	3870	4350	2790
					(22,680)	(18,910)	(16,180)	(12,020)	(13,020)	(8,310)	(8,490)	(5,980)
Ground Line			4660	4660	11 950	8310	8400	5300	6000	3710	4260	2720
			(10,740)	(10,740)	(25,830)	(17,870)	(18,180)	(11,410)	(12,660)	(7,970)	(7,770)	(5,830)
-1.5 m (-5 ft.)	4520	4520	7870	7870	12 390	8130	8480	5150	5900	3620		
	(10,150)	(10,150)	(17,910)	(17,910)	(26,820)	(17,470)	(17,890)	(11,080)	(12,450)	(7,780)		
-3.0 m (-10 ft.)	8200	8200	12 340	12 340	11 980	8140	8450	5130	5900	3620		
	(18,440)	(18,440)	(28,100)	(28,100)	(25,910)	(17,490)	(17,840)	(11,040)	(12,480)	(7,810)		
-4.5 m (-15 ft.)	12 810	12 810	15 370	15 370	10 590	8320	7640	5250				
	(28,980)	(28,980)	(33,080)	(33,080)	(22,760)	(17,890)	(16,280)	(11,330)				
-6.0 m (-20 ft.)					7300	7300						
With 3.61-m (11 ft. 10 in.) arm, 851-kg (1,876 lb.) bucket and 800-mm (32 in.) shoes												
6.0 m (20 ft.)							4290	4290	3990	3990		
							(9,400)	(9,400)	(8,480)	(8,480)		
4.5 m (15 ft.)							5120	5120	4740	4300		
							(11,100)	(11,100)	(10,300)	(9,230)		
3.0 m (10 ft.)					8210	8210	6280	6020	5340	4120	3710	2930
			(28,820)	(28,820)	(17,640)	(17,640)	(13,580)	(12,960)	(11,610)	(8,840)	(7,190)	(6,250)
1.5 m (5 ft.)					10 530	8780	7480	5650	6000	3920	4350	2830
					(22,680)	(18,910)	(16,180)	(12,150)	(13,020)	(8,420)	(8,490)	(6,060)
Ground Line			4660	4660	11 950	8410	8400	5370	6070	3760	4260	2760
			(10,740)	(10,740)	(25,830)	(18,080)	(18,180)	(11,540)	(13,050)	(8,070)	(7,770)	(5,910)
-1.5 m (-5 ft.)	4520	4520	7870	7870	12 390	8220	8580	5220	5970	3670		
	(10,150)	(10,150)	(17,910)	(17,910)	(26,820)	(17,670)	(18,420)	(11,220)	(12,840)	(7,880)		
-3.0 m (-10 ft.)	8200	8200	12 340	12 340	11 980	8240	8550	5200	5980	3670		
	(18,440)	(18,440)	(28,100)	(28,100)	(25,910)	(17,700)	(18,370)	(11,180)	(12,870)	(7,910)		
-4.5 m (-15 ft.)	12 810	12 810	15 370	15 370	10 590	8410	7640	5320				
	(28,980)	(28,980)	(33,080)	(33,080)	(22,760)	(18,090)	(16,280)	(11,470)				
-6.0 m (-20 ft.)					7300	7300						

Buckets ZX250LC-6

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available through dealer parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force 2.50 m (8 ft. 2 in.)		Arm Dig Force 2.96 m (9 ft. 9 in.)		Arm Dig Force 3.61 m (11 ft. 10 in.)		Bucket Tip Radius mm in.	Number of Teeth	
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	kN	lb.			
Heavy Duty	914	36	0.74	1.0	907	2,000	193.7	43,542	158.9	35,724	132.8	29,861	115.1	25,871	1527	60.1	4
	1067	42	0.91	1.2	1035	2,281	193.7	43,542	158.9	35,724	132.8	29,861	115.1	25,871	1527	60.1	5
	1219	48	1.06	1.4	1071	2,361	194.1	43,636	159.0	35,753	132.9	29,883	115.2	25,888	1523	60.0	6
Heavy Duty High Capacity	1372	54	1.23	1.6	1204	2,654	194.0	43,607	159.0	35,744	132.9	29,877	115.1	25,883	1524	60.0	6
	914	36	0.99	1.3	1005	2,215	174.8	39,298	152.7	34,319	128.1	28,803	111.5	25,067	1691	66.6	4
	1067	42	1.22	1.6	1141	2,515	175.0	39,345	152.7	34,335	128.2	28,816	111.5	25,076	1689	66.5	5
	1219	48	1.44	1.9	1158	2,553	174.8	39,286	152.6	34,315	128.1	28,800	111.5	25,064	1692	66.6	6

Bucket Selection Guide*



* Contact your Hitachi dealer for optimum bucket and attachment selections. These recommendations are for general conditions and average use. Does not include optional equipment such as thumbs or couplers. Larger buckets may be possible when using light materials, for flat and level operations, less compacted materials, and volume loading applications such as mass-excavation applications in ideal conditions. Smaller buckets are recommended for adverse conditions such as off-level applications, rocks, and uneven surfaces. Bucket capacity indicated is SAE heaped.

SPECIFICATIONS

ZX300LC-6

Engine	ZX300LC-6		
Manufacturer and Model	Isuzu 6HK1		
Non-Road Emission Standard	EPA Final Tier 4 / EU Stage IV		
Net Rated Power (ISO 9249)	186 kW (249 hp) at 1,900 rpm		
Cylinders	6		
Displacement	7.79 L (475 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling	High efficiency direct-driven, suction-type fan		
Powertrain	2-speed propel with automatic shift		
Maximum Travel Speed			
Low	3.1 km/h (1.9 mph)		
High	5.2 km/h (3.2 mph)		
Drawbar Pull	25 085 kg (55,303 lb.)		
Hydraulics	Open center, load sensing		
Main Pumps	2 variable-displacement pumps		
Maximum Rated Flow	236 L/m (62.3 gpm) x 2		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 000 kPa (5,076 psi)		
Swing	32 400 kPa (4,830 psi)		
Power Boost	38 000 kPa (5,511 psi)		
Controls	Pilot levers, short-stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders	Bore	Rod Diameter	Stroke
Boom (2)	135 mm (5.3 in.)	95 mm (3.7 in.)	1422 mm (56.0 in.)
Arm (1)	150 mm (5.9 in.)	105 mm (4.1 in.)	1659 mm (65.3 in.)
Bucket (1)	135 mm (5.3 in.)	90 mm (3.5 in.)	1070 mm (42.1 in.)
Electrical	Number of Batteries (12 volt)		
	2		
Battery Capacity	1,000 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen (one mounted on boom, one on frame)		
Undercarriage	Rollers (each side)		
	Carrier		
	2		
	Track		
	8		
	Shoes, Triple Semi-Grousers (each side)		
	48		
	Track		
	Adjustment		
	Hydraulic		
	Guides		
	3 per side		
	Chain		
	Sealed and lubricated		
Ground Pressure	Triple Semi-Grouser Shoes		
	700-mm (28 in.)		
	46.9 kPa (6.80 psi)		
	800-mm (32 in.)		
	41.0 kPa (5.95 psi)		
Swing Mechanism	Speed		
	10.3 rpm		
	Torque		
	90 500 Nm (66,749 lb.-ft.)		

Serviceability ZX300LC-6

Refill Capacities

Fuel Tank	510 L (135 gal.)
Diesel Exhaust Fluid (DEF) Tank	70 L (18 gal.)
Cooling System	48 L (13 gal.)
Engine Oil with Filter	48 L (13 gal.)
Hydraulic Tank	156 L (41 gal.)
Hydraulic System	290 L (77 gal.)
Swing Drive	12 L (12.7 qt.)
Gearbox	
Propel (each)	9.2 L (9.7 qt.)
Pump Drive	1.1 L (1.2 qt.)

Operating Weights

With full fuel tank; 79-kg (175 lb.) operator; 1.25-m³ (1.63 cu. yd.), 1067-mm (42 in.), 957-kg (2,110 lb.) bucket; 3.76-m (12 ft. 4 in.) arm; 5600-kg (12,346 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes

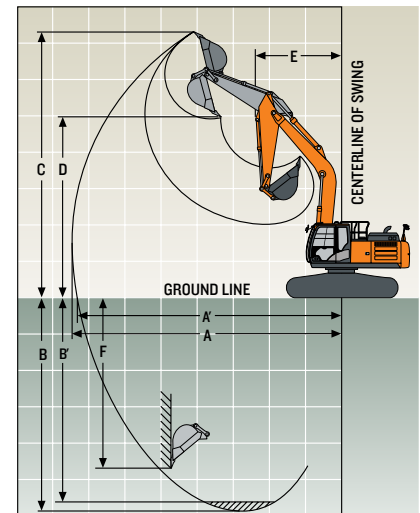
Operating Weight	29 449 kg (64,924 lb.)
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Component Weights

Undercarriage w/ Triple Semi-Grouser Shoes	
700 mm (28 in.)	11 478 kg (25,305 lb.)
800 mm (32 in.)	11 881 kg (26,193 lb.)
One-Piece Boom (with arm cylinder)	
2232 kg (5,119 lb.)	
Arm with Bucket Cylinder and Linkage	
3.11 m (10 ft. 2 in.)	1288 kg (2,840 lb.)
3.76 m (12 ft. 4 in.)	1377 kg (3,036 lb.)
Boom Lift Cylinders (2) Total Weight	
490 kg (1,080 lb.)	

Operating Dimensions

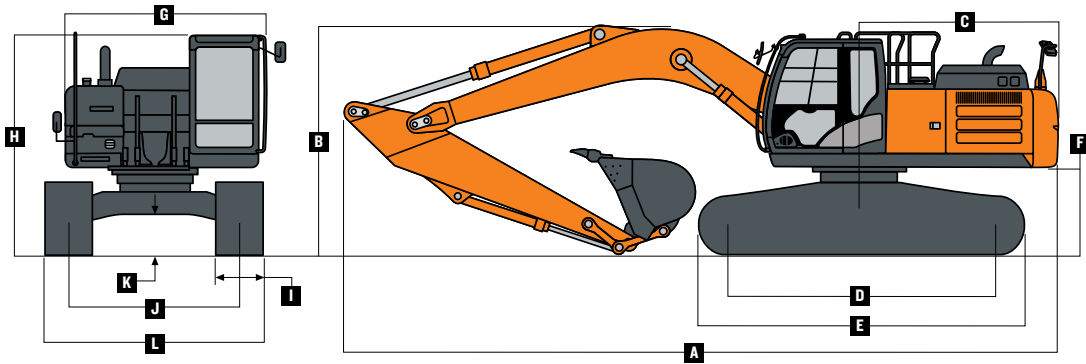
Arm Length	3.11 m (10 ft. 2 in.)	3.76 m (12 ft. 4 in.)
Arm Digging Force		
SAE	138 kN (31,024 lb.)	121 kN (27,202 lb.)
ISO	144 kN (32,372 lb.)	127 kN (28,551 lb.)
Bucket Digging Force		
SAE	175 kN (39,342 lb.)	175 kN (39,342 lb.)
ISO	202 kN (45,411 lb.)	202 kN (45,411 lb.)
A Maximum Reach	10.71 m (35 ft. 2 in.)	11.27 m (37 ft. 0 in.)
A' Maximum Reach at Ground Level	10.52 m (34 ft. 6 in.)	11.09 m (36 ft. 5 in.)
B Maximum Digging Depth	7.22 m (23 ft. 8 in.)	7.87 m (25 ft. 10 in.)
B' Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	7.04 m (23 ft. 1 in.)	7.71 m (25 ft. 4 in.)
C Maximum Cutting Height	10.27 m (33 ft. 8 in.)	10.47 m (34 ft. 4 in.)
D Maximum Dumping Height	7.33 m (24 ft. 1 in.)	7.54 m (24 ft. 9 in.)
E Minimum Swing Radius	3.90 m (12 ft. 10 in.)	3.89 m (12 ft. 9 in.)
F Maximum Vertical Wall	6.48 m (21 ft. 3 in.)	7.05 m (23 ft. 2 in.)



SPECIFICATIONS

ZX300LC-6

Machine Dimensions	ZX300LC-6
A Overall Length w/ Arm	
3.11 m (10 ft. 2 in.)	10.66 m (35 ft.)
3.76 m (12 ft. 4 in.)	10.71 m (35 ft. 2 in.)
B Overall Height w/ Arm	
3.11 m (10 ft. 2 in.)	3.20 m (10 ft. 6 in.)
3.76 m (12 ft. 4 in.)	3.38 m (11 ft. 1 in.)
C Tail Swing Radius	3.25 m (10 ft. 8 in.)
D Distance Between Idler/Sprocket Centerline	4.05 m (13 ft. 3 in.)
E Undercarriage Length	4.94 m (16 ft. 2 in.)
F Counterweight Clearance	1.17 m (3 ft. 10 in.)
G Upperstructure Width	2.99 m (9 ft. 10 in.)
H Cab Height	3.11 m (10 ft. 2 in.)
I Track Width w/ Triple Semi-Grouser Shoes	700 mm (28 in.) / 800 mm (32 in.)
J Gauge Width	2.59 m (8 ft. 6 in.)
K Ground Clearance	0.51 m (20 in.)
L Overall Width w/ Triple Semi-Grouser Shoes	
700 mm (28 in.)	3.29 m (10 ft. 10 in.)
800 mm (32 in.)	3.39 m (11 ft. 1 in.)



SPECIFICATIONS

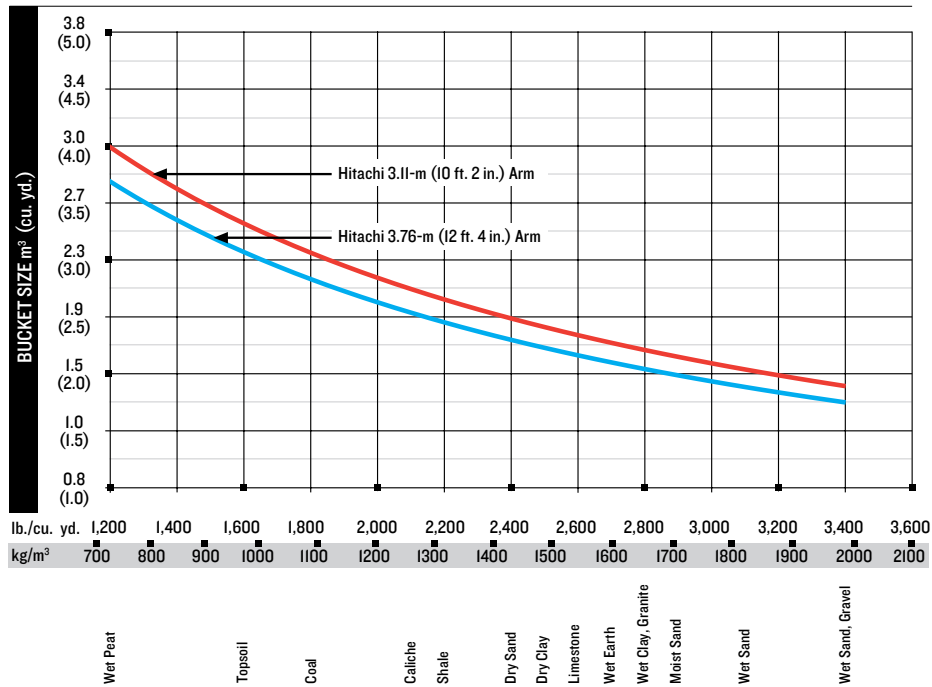
ZX300LC-6

Buckets ZX300LC-6

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with ESCO teeth standard. Replaceable cutting edges and a variety of teeth are available through dealer parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight		Bucket Dig Force		Arm Dig Force 3.11 m (10 ft. 2 in.)		Arm Dig Force 3.76 m (12 ft. 4 in.)		ISO Bucket Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
Heavy Duty	914	36	1.23	0.9	1010	2,226	189.7	42,653	144.1	32,397	125.1	28,126	1661	65.4	4
	1067	42	1.52	1.2	1147	2,530	189.7	42,653	144.1	32,397	125.1	28,126	1661	65.4	5
	1219	48	1.81	1.4	1213	2,675	189.7	42,653	144.1	32,397	125.1	28,126	1661	65.4	5
	1372	54	2.09	1.6	1328	2,928	189.7	42,653	144.1	32,397	125.1	28,126	1661	65.4	6

Bucket Selection Guide*



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ZX250LC-6 ZX300LC-6

Key: ● Standard ▲ Optional or special kit

250 300 Engine

- ● Auto-idle system
- ● Automatic belt-tension device
- ● Batteries (2 – 12 volt)
- ● Coolant recovery tank
- ● Dual-element dry-type air filter
- ● Electronic engine control
- ● Enclosed fan guard (conforms to SAE J1308)
- ● Engine coolant to –37 deg. C (–34 deg. F)
- ● Programmable auto shutdown
- ● Fuel filter with water separator
- ● Fuel shutoff valve
- ● Full-flow oil filter
- ● Turbocharger with charge air cooler
- ● High-efficiency, low-noise fan
- ● Glow-plug start aid
- ● 500-hour engine-oil-change interval
- ● 70% (35 deg.) off-level capability
- ● Severe-duty fuel filter
- ● Engine-oil sampling valve
- ▲ ▲ Chrome exhaust stack
- ▲ ▲ Engine coolant heater
- ▲ ▲ Engine air pre-cleaner

Hydraulic System

- ● Reduced-drift valve for boom down, arm in
- ● Auxiliary hydraulic valve section
- ● Spring-applied, hydraulically released automatic swing brake
- ● Auxiliary hydraulic-flow adjustments through monitor
- ● Auto power lift
- ● 5,000-hour hydraulic-oil-change interval
- ● Hydraulic oil sampling valve
- ● HIOS III hydraulic management system
- ● Control pattern change valve
- ▲ ▲ Auxiliary hydraulics with combination piping
- ▲ ▲ Auxiliary pilot and electric controls
- ▲ ▲ Hydraulic filter restriction indicator kit
- ▲ ▲ Load-lowering control / Anti-drift device
- ▲ ▲ Single-pedal propel control

Undercarriage

- ● Planetary drive with axial piston motors
- ● Propel motor shields
- ● Spring-applied, hydraulically released automatic propel brake
- ● Track guides, front idler and center
- ● 2-speed propel with automatic shift
- ● Upper carrier rollers (2)
- ● Sealed and lubricated track chain
- ● Heavy-duty undercover
- ▲ ▲ Triple semi-grouser shoes, 600 mm (24 in.)
- ▲ ▲ Triple semi-grouser shoes, 700 mm (28 in.)
- ▲ ▲ Triple semi-grouser shoes, 800 mm (32 in.)
- ▲ ▲ Heavy-duty track frame undercover

250 300 Upperstructure

- ● Right-hand, left-hand, and counterweight mirrors
- ● Vandal locks with ignition key: Cab door / Service doors / Toolbox
- ● Debris screen
- ● Remote-mounted engine oil and fuel filters
- ▲ ▲ "D" channel guard

Front Attachments

- ● Centralized lubrication system
- ● Dirt seals on all bucket pins
- ● Less boom and arm
- ● Oil-impregnated bushings
- ● Reinforced resin thrust plates
- ● Tungsten carbide thermal coating on arm-to-bucket joint
- ▲ ▲ Arm, 2.50 m (8 ft. 2 in.)
- ▲ ▲ Arm, 2.96 m (9 ft. 9 in.)
- ▲ ▲ Arm, 3.11 m (10 ft. 2 in.)
- ▲ ▲ Arm, 3.61 m (11 ft. 10 in.)
- ▲ ▲ Arm, 3.76 m (12 ft. 4 in.)
- ▲ ▲ Attachment quick-couplers
- ▲ ▲ Boom cylinder with plumbing to mainframe less boom and arm
- ▲ ▲ Buckets: Heavy duty / Heavy-duty high capacity / Side cutters and teeth
- ▲ ▲ Material clamps
- ▲ ▲ Super-long fronts

Operator's Station

- ● Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
- ● AM/FM radio
- ● Auto climate control/air conditioner/heater/pressurizer
- ● Built-in Operator's Manual storage compartment and manual
- ● Cell-phone power outlet, 12 volt, 60 watt, 5 amp
- ● Coat hook
- ● Deluxe suspension cloth seat with 100-mm (4 in.) adjustable armrests
- ● Floor mat
- ● Front windshield wiper with intermittent speeds
- ● Gauges (illuminated): Diesel Exhaust Fluid (DEF) / Engine coolant / Fuel
- ● Horn, electric
- ● Hour meter, electric
- ● Hydraulic shutoff lever, all controls
- ● Hydraulic warm-up control
- ● Interior light
- ● Large cup holder
- ● Machine Information Center (MIC)

250 300 Operator's Station (continued)

- ● Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)
- ● Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / System monitoring with alarm features: Auto-idle indicator, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, low DEF indication with audible alarm, fault code alert indicator, fuel-rate display, wipermode indicator, work-lights-on indicator, and work-mode indicator
- ● Auxiliary hydraulic control switches in right console lever
- ● Motion alarm with cancel switch (conforms to SAE J994)
- ● Power-boost switch on right console lever
- ● Propel pedals and levers
- ● SAE 2-lever control pattern
- ● Seat belt, 76 mm (3 in.), non-retractable
- ● Tinted glass
- ● Transparent tinted overhead hatch
- ● Hot/cold beverage compartment
- ● USB charging port
- ▲ ▲ Air-suspension heated seat
- ▲ ▲ Hydraulic oil filter restriction indicator light
- ▲ ▲ Premium heated/cooled leather seat
- ▲ ▲ Protection screens for cab front, rear, and side
- ▲ ▲ Window vandal-protection covers

Electrical

- ● 50-amp alternator
- ● Battery disconnect switch
- ● Blade-type multi-fused circuits
- ● Positive-terminal battery covers
- ● ZXLink™ wireless communication system (available in specific countries; see your dealer for details)
- ● Rearview camera
- ▲ ▲ Cab extension wiring harness

Lights

- ● Work lights: Halogen / 1 mounted on boom / 1 mounted on frame
- ▲ ▲ 2 lights mounted on cab / 1 mounted on right side of boom
- ▲ ▲ LED light kit

See your Hitachi dealer for further information.

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on units with 1370-mm (54 in.) buckets, full fuel tanks, and 79-kg (175 lb.) operators; a ZX250LC-6 unit with 5600-kg (12,346 lb.) counterweight and 800-mm (32 in.) triple semi-grouser shoes; and a ZX300LC-6 unit with 5600-kg (12,346 lb.) counterweight and 800-mm (32 in.) heavy-duty triple semi-grouser shoes.



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