

A large orange Hitachi excavator is shown in the foreground, its arm extended and bucket filled with dark rocks. The excavator is positioned on a pile of similar rocks. In the background, a white pickup truck and a white semi-truck are parked on a dirt road. The sky is blue with some clouds. The excavator's arm has "HITACHI" written on it in white. The operator's cab is visible on the right side of the machine.

HITACHI

Reliable solutions

ZX350LC-6

ZX380LC-6

CONSTRUCTION EXCAVATORS



GAIN A COMPETITI

Packed with productivity-boosting advantages, the ZX350LC-6 and ZX380LC-6 bring efficiency, reliability and durability to your jobsites. A fuel-efficient EPA Final Tier 4 (FT4)/EU Stage IV Isuzu engine meets rigid emission standards – no diesel particulate filter (DPF) needed. You also get an upgraded, wider cab and premium seat options for maximum comfort. Easy-to-operate controls for smooth and responsive hydraulics. And efficient, accessible features like a battery disconnect switch, standard pattern-control switch and fuel shut off.

With these excavators, you'll stay

■ **MOVING AHEAD
NEVER BEHIND.**

ZX350LC-6
ZX380LC-6

WE EGE.





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.

SINGLE-PEDAL PROPEL

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

ENGINE AIR PRE-CLEANER

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

AUXILIARY LINES

Optional auxiliary hydraulic lines with combination piping increase machine versatility.

ZX350LC-6
ZX380LC-6

MORE DONE. LESS EFFORT.

Available for the ZX350LC-6, choose from Solution Linkage 2D or 3D Grade Control, or opt for Solution Linkage 2D or 3D Grade Guidance with easy paths for future upgrades. These technology options help offer efficiency for your crew and provide factory-integrated precision – backed by your Hitachi dealer, ready to work on day one.

Both excavators feature our HIOS III hydraulic system, which balances engine performance with hydraulic flow, returning the arm to dig faster. Plus, three work modes – High Productivity, Power and Economy – provide fuel-efficient performance.

These workhorses offer ■ **BIG PRODUCTIVITY, BIG PERFORMANCE.**



SOLUTION LINKAGE GRADE CONTROL

Fully integrated Grade Control provides 3D control. The operator controls the arm as the machine automatically controls the boom and bucket. Additional features include overdig protection, virtual fence and in-cab real-time distance to target.

SOLUTION LINKAGE GRADE GUIDANCE

2D or 3D Grade Guidance options arm operators with elevation and position of bucket cutting-edge relative to target plane (2D) or design surface (3D). Indication of distance to grade is in real time. Upgradeable to automatic control.



FULL INTEGRATION

Solution Linkage is fully integrated from the monitor in the cab, to the components on the machine. Wire harnesses are thoughtfully routed and sensors are covered and protected from damage.

ZX350LC-6
ZX380LC-6

MORE COMFORT. MORE PRODUCTIVITY.

It's true – comfortable operators are more productive. And 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
COMFORTABLY PRODUCTIVE.



SIMPLE 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.





PROGRAMMABLE ATTACHMENT MODE

Toggle between attachments and adjust flow and pressure based on attachment requirements right in the monitor.

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.

EXTRA 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.



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).

REINFORCED SIDE FRAMES

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

ADDED UNDERCOVERS

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

LONG-LASTING STRENGTH

With large idlers, rollers and strutted track links, the sealed and lubricated undercarriage is built for the long haul.

ZX350LC-6
ZX380LC-6

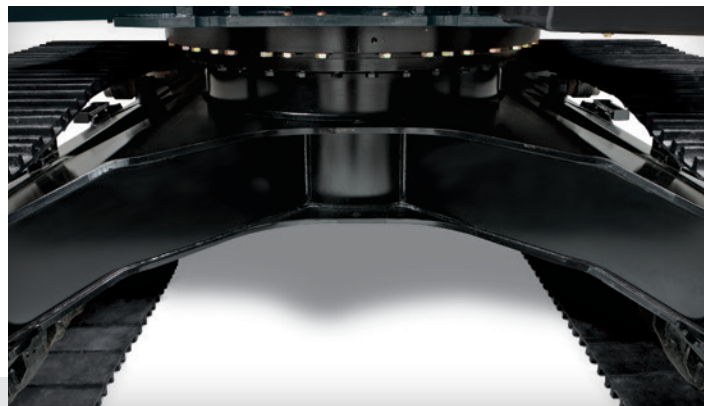
DURABILITY BUILT-IN. DOWNTIME TOSSED OUT.

The ZX350LC-6 and ZX380LC-6 are built with toughness you can count on. 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.

These excavators give you
■ **BIG-TIME UPTIME.**

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.



ROCK-SOLID FRAME

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

ZX350LC-6
ZX380LC-6

LESS MAINTENANCE. MORE UPTIME.

Maximize uptime with the ZX350LC-6 and ZX380LC-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 keep you up and running longer. Scheduled maintenance is easy to track using ZXLink™ and the in-cab diagnostic monitor.

Simple servicing gives you
■ **LOWER OPERATING COSTS.**



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 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.





STANDARD HANDRAILS

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

AUTO-IDLE AND AUTO-SHUTDOWN

Auto-idle, which reduces engine speed when hydraulics aren't in use, and auto-shutdown contribute to fuel efficiency.

ACCESSIBLE EFFICIENCY

A battery disconnect switch, located in the rear door behind the cab, is easily accessible and extends battery life. A composite battery cover does not require tools to remove and allows for improved access to battery service.

NO DPF NEEDED

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

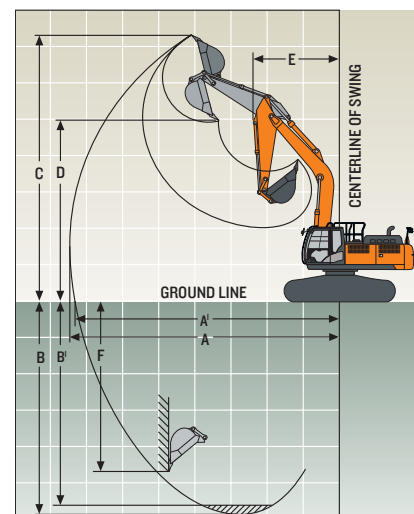
SPECIFICATIONS

ZX350LC-6

Engine	ZX350LC-6		
Manufacturer and Model	Isuzu 6HK1		
Non-Road Emission Standard	EPA Final Tier 4 / EU Stage IV		
Net Rated Power (ISO 9249)	202 kW (271 hp) at 1,900 rpm		
Cylinders	6		
Displacement	7.8 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 and cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive for hydraulic oil cooler			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.2 km/h (2.0 mph)		
High	5.0 km/h (3.1 mph)		
Drawbar Pull	30 350 kg (66,900 lb.)		
Hydraulics			
Open center, pilot controlled			
Main Pumps	2 variable-displacement pumps		
Maximum Rated Flow	288 L/m (76.1 gpm) x 2		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 500 kPa (5,149 psi)		
Swing	33 300 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			
Heat-treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins			
	Bore	Rod Diameter	Stroke
Boom (2)	145 mm (5.7 in.)	100 mm (3.9 in.)	1520 mm (59.8 in.)
Arm (1)	170 mm (6.7 in.)	115 mm (4.5 in.)	1740 mm (68.5 in.)
Bucket (1)	140 mm (5.5 in.)	95 mm (3.7 in.)	1250 mm (49.2 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			
800-mm (32 in.) Triple Semi-Grouser Shoes	49.3 kPa (7.15 psi)		
Swing Mechanism			
Speed	10.7 rpm		
Torque	120 000 Nm (88,500 lb.-ft.)		

Serviceability		ZX350LC-6
Refill Capacities		
Fuel Tank	630 L (166 gal.)	
Diesel Exhaust Fluid (DEF) Tank	70 L (18 gal.)	
Cooling System	45 L (12 gal.)	
Engine Oil with Filter	48 L (13 gal.)	
Hydraulic Tank	180 L (48 gal.)	
Hydraulic System	340 L (90 gal.)	
Swing Drive	15.7 L (16.6 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; 1.4-m ³ (1.8 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 6900-kg (15,212 lb.) counterweight; and 800-mm (32 in.) triple semi-grouser shoes		
Operating Weight	35 198 kg (77,598 lb.)	
Component Weights		
Undercarriage w/ Triple Semi-Grouser Shoes		
800-mm (32 in.)	12 710 kg (28,021 lb.)	
One-Piece Boom (with arm cylinder)		
6.4 m (21 ft. 0 in.)	3246 kg (7,156 lb.)	
5.7 m (18 ft. 8 in.) ME	3173 kg (6,995 lb.)	
Arm with Bucket Cylinder and Linkage		
3.20 m (10 ft. 6 in.)	1811 kg (3,993 lb.)	
4.00 m (13 ft. 1 in.)	1935 kg (4,266 lb.)	
Boom Lift Cylinders (2), Total Weight	290 kg (639 lb.)	
Operating Dimensions		
Arm Length	3.2 m (10 ft. 6 in.)	4.0 m (13 ft. 1 in.)
Boom Length	6.4 m (21 ft. 0 in.)	6.4 m (21 ft. 0 in.)
Arm Digging Force		
SAE	177 kN (39,791 lb.)	153 kN (34,396 lb.)
ISO	185 kN (41,590 lb.)	159 kN (35,745 lb.)
Bucket Digging Force		
SAE	214 kN (48,109 lb.)	214 kN (48,109 lb.)
ISO	246 kN (55,303 lb.)	246 kN (55,303 lb.)
A Maximum Reach	11.10 m (36 ft. 5 in.)	11.86 m (38 ft. 11 in.)
A' Maximum Reach at Ground Level	10.89 m (35 ft. 9 in.)	11.67 m (38 ft. 3 in.)
B Maximum Digging Depth	7.38 m (24 ft. 3 in.)	8.18 m (26 ft. 10 in.)
B' Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	7.21 m (23 ft. 8 in.)	8.04 m (26 ft. 5 in.)
C Maximum Cutting Height	10.36 m (34 ft. 0 in.)	10.75 m (35 ft. 3 in.)
D Maximum Dumping Height	7.24 m (23 ft. 9 in.)	7.63 m (25 ft. 0 in.)
E Minimum Swing Radius	4.46 m (14 ft. 8 in.)	4.47 m (14 ft. 8 in.)
F Maximum Vertical Wall	6.42 m (21 ft. 1 in.)	7.27 m (23 ft. 10 in.)

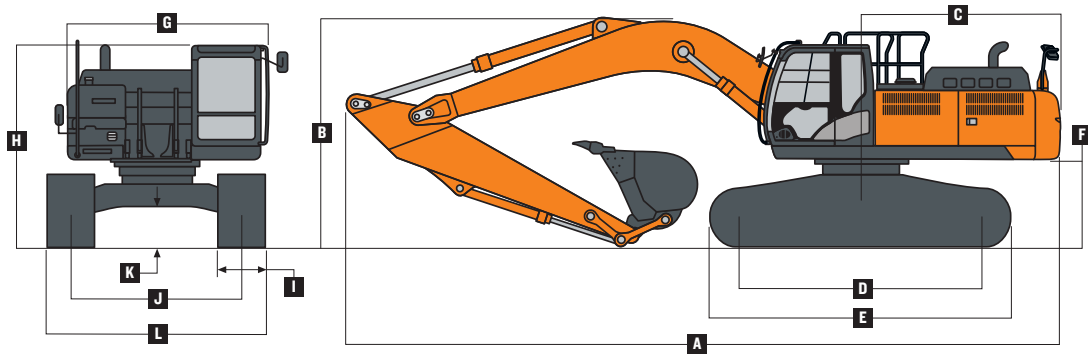
The diagram illustrates the operating dimensions of the excavator. It shows the machine's profile with various points labeled A through F. A is the maximum reach, A' is the maximum reach at ground level, B is the maximum digging depth, B' is the maximum digging depth at a flat bottom, C is the maximum cutting height, D is the maximum dumping height, E is the minimum swing radius, and F is the maximum vertical wall. The diagram also shows the centerline of swing and the ground line.



SPECIFICATIONS

ZX350LC-6

Machine Dimensions		ZX350LC-6
A Overall Length		
3.2-m (10 ft. 6 in.) arm / 6.4-m (21 ft. 0 in.) boom		11.20 m (36 ft. 9 in.)
4.0-m (13 ft. 1 in.) arm / 6.4-m (21 ft. 0 in.) boom		11.29 m (37 ft. 0 in.)
B Overall Height		
3.2-m (10 ft. 6 in.) arm / 6.4-m (21 ft. 0 in.) boom		3.27 m (10 ft. 9 in.)
4.0-m (13 ft. 1 in.) arm / 6.4-m (21 ft. 0 in.) boom		3.60 m (11 ft. 10 in.)
C Swing Radius		3.60 m (11 ft. 10 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		1.18 m (3 ft. 10 in.)
G Upperstructure Width		2.99 m (9 ft. 10 in.)
H Cab Height		3.14 m (10 ft. 4 in.)
I Track Width with 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		0.51 m (20 in.)
L Overall Width with Triple Semi-Grouser Shoes		
600 mm (24 in.)		3.19 m (10 ft. 6 in.)
700 mm (28 in.)		3.29 m (10 ft. 10 in.)
800 mm (32 in.)		3.39 m (11 ft. 2 in.)



Lift Charts

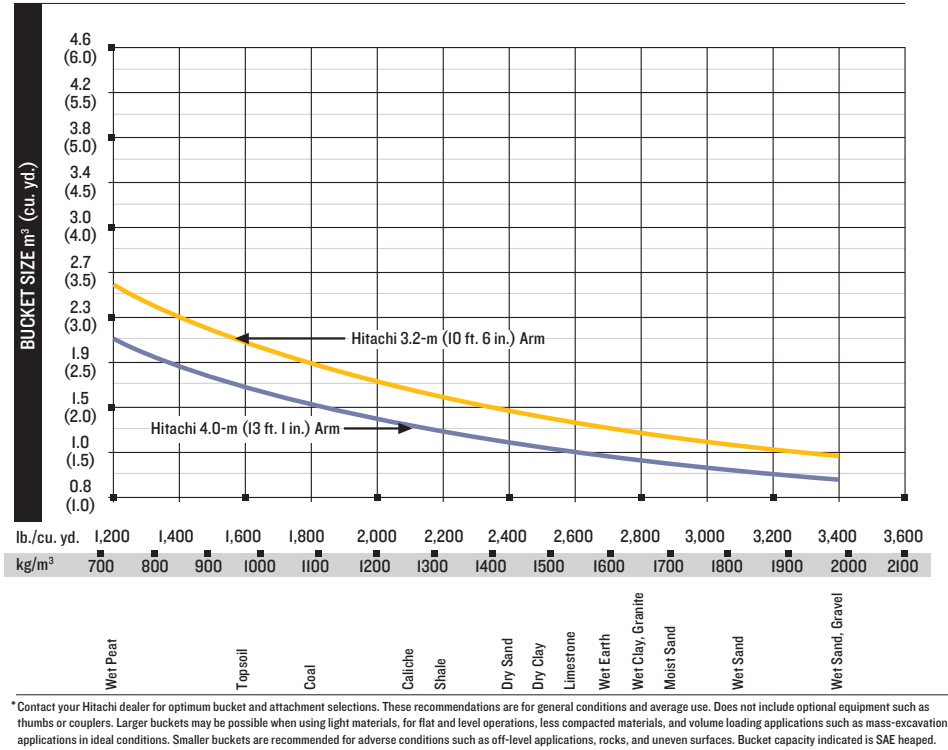
ZX350LC-6

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Machine equipped with 800-mm (32 in.) shoes; 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.

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 3.20-m (10 ft. 6 in.) arm, 6.4-m (21 ft. 0 in.) boom and 1273-kg (2,806 lb.) bucket												
6.0 m (20 ft.)									7960	6440		
									(17,430)	(13,810)		
4.5 m (15 ft.)							9960	9100	8610	6230		
							(21,550)	(19,600)	(18,740)	(13,370)		
3.0 m (10 ft.)					16 250	13 410	11 680	8560	9480	5950	6360	4430
					(34,880)	(28,920)	(25,230)	(18,440)	(20,580)	(12,800)		
1.5 m (5 ft.)					18 820	12 520	13 160	8080	9520	5690	7190	4310
					(40,590)	(26,970)	(28,450)	(17,410)	(20,460)	(12,240)	(15,430)	(9,230)
Ground Line					19 600	12 150	13 390	7780	9310	5510	7050	4180
					(42,440)	(26,120)	(28,750)	(16,750)	(20,020)	(11,840)	(15,150)	(8,970)
-1.5 m (-5 ft.)			12 220	12 220	19 070	12 080	13 250	7660	9220	5430	6960	4100
			(27,720)	(27,720)	(41,350)	(25,960)	(28,450)	(16,490)	(19,830)	(11,670)	(14,960)	(8,800)
-3.0 m (-10 ft.)	14 530	14 530	19 970	19 970	17 430	12 210	13 030	7710	9290	5480		
	(32,600)	(32,600)	(45,330)	(45,330)	(37,730)	(26,230)	(28,110)	(16,590)	(20,000)	(11,820)		
-4.5 m (-15 ft.)			19 200	19 200	14 280	12 530	10 490	7950				
			(41,260)	(41,260)	(30,590)	(26,960)	(22,170)	(17,150)				
With 4.0-m (13 ft. 1 in.) arm, 6.4-m (21 ft. 0 in.) boom and 1273-kg (2,806 lb.) bucket												
7.5 m (25 ft.)									(14,660)	(14,340)		
6.0 m (20 ft.)									6,940	6580	5700	4600
									(15,190)	(14,110)	(11,000)	(9,810)
4.5 m (15 ft.)									7700	6340	7140	4500
									(16,760)	(13,600)	(15,550)	(9,620)
3.0 m (10 ft.)					14 170	13 920	10 530	8750	8700	6030	7230	4340
					(30,440)	(30,010)	(22,750)	(18,840)	(18,870)	(12,950)	(15,510)	(9,290)
1.5 m (5 ft.)					17 420	12 800	12 280	8190	9560	5720	7040	4170
					(37,540)	(27,580)	(26,550)	(17,630)	(20,550)	(12,290)	(15,120)	(8,930)
Ground Line			6960	6960	19 120	12 170	13 410	7790	9290	5480	6900	4030
			(15,920)	(15,920)	(41,350)	(26,180)	(28,800)	(16,750)	(19,970)	(11,770)	(14,810)	(8,650)
-1.5 m (-5 ft.)	7010	7010	11 120	11 120	19 370	11 930	13 160	7570	9130	5330	6820	3960
	(15,670)	(15,670)	(25,190)	(25,190)	(41,950)	(25,640)	(28,260)	(16,280)	(19,620)	(11,460)	(14,660)	(8,510)
-3.0 m (-10 ft.)	11 610	11 610	16 550	16 550	18 430	11 950	13 110	7530	9100	5310		
	(26,040)	(26,040)	(37,530)	(37,530)	(39,880)	(25,670)	(28,150)	(16,190)	(19,580)	(11,420)		
-4.5 m (-15 ft.)	17 110	17 110	22 900	22 900	16 180	12 160	11 970	7660	8670	5450		
	(38,570)	(38,570)	(49,330)	(49,330)	(34,810)	(26,160)	(25,650)	(16,490)	(18,130)	(11,780)		
-6.0 m (-20 ft.)			16 290	16 290	11 790	11 790	7960	7960				
			(34,320)	(34,320)	(24,700)	(24,700)						

ZX350LC-6

Buckets ZX350LC-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 3.2 m (10 ft. 6 in.)		Arm Dig Force 4.0 m (13 ft. 1 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m3	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
General Purpose, High Capacity	1524	60	2.13	2.78	1673	3,687	225.7	50,737	185.0	41,588	154.5	34,725	1811	71.31	7
Heavy Duty Plate Lip	914	36	0.99	1.30	1061	2,338	244.6	54,994	185.0	41,581	158.3	35,585	1671	65.79	4
	1067	42	1.22	1.59	1203	2,651	244.8	55,044	185.0	41,594	158.3	35,595	1670	65.73	5
	1219	48	1.44	1.88	1300	2,866	244.7	55,019	185.0	41,588	158.3	35,590	1670	65.76	6
	1372	54	1.67	2.18	1393	3,072	244.7	55,019	185.0	41,588	158.3	35,590	1673	65.86	6
Heavy Duty Plate Lip, High Capacity	1067	42	1.33	1.74	1370	3,020	225.5	50,687	179.7	40,401	154.4	34,715	1813	71.38	5
	1219	48	1.58	2.07	1507	3,323	225.5	50,687	179.7	40,401	154.4	34,715	1813	71.38	6
	1372	54	1.84	2.41	1618	3,568	225.3	50,652	179.7	40,391	154.4	34,707	1814	71.43	6
Bucket Selection Guide*															



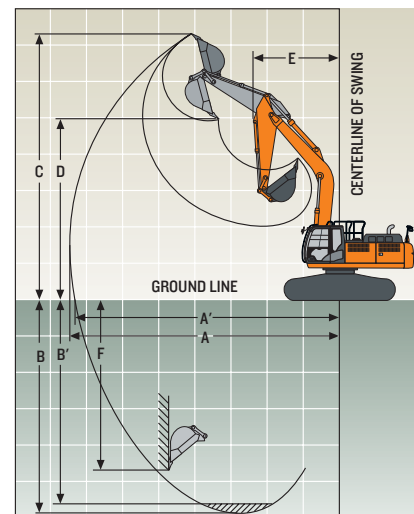


SPECIFICATIONS

ZX380LC-6

Engine	ZX380LC-6		
Manufacturer and Model	Isuzu 6HK1		
Non-Road Emission Standard	EPA Final Tier 4 / EU Stage IV		
Net Rated Power (ISO 9249)	202 kW (271 hp) at 1,900 rpm		
Cylinders	6		
Displacement	7.8 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 and cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive for hydraulic oil cooler			
Powertrain			
2-speed propel with automatic shift			
Maximum Travel Speed			
Low	3.2 km/h (2.0 mph)		
High	5.0 km/h (3.1 mph)		
Drawbar Pull	30 350 kg (66,900 lb.)		
Hydraulics			
Open center, pilot controlled			
Main Pumps	2 variable-displacement pumps		
Maximum Rated Flow	288 L/m (76.1 gpm) x 2		
System Operating Pressure			
Circuits			
Implement	34 300 kPa (4,975 psi)		
Travel	35 500 kPa (5,149 psi)		
Swing	33 300 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)	145 mm (5.7 in.)	100 mm (3.9 in.)	1520 mm (59.8 in.)
Arm (1)	170 mm (6.7 in.)	115 mm (4.5 in.)	1740 mm (68.5 in.)
Bucket (1)	140 mm (5.5 in.)	95 mm (3.7 in.)	1250 mm (49.2 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			
800-mm (32 in.) Triple Semi-Grouser Shoes	52.5 kPa (7.61 psi)		
Swing Mechanism			
Speed	10.7 rpm		
Torque	120 000 Nm (88,500 lb.-ft.)		

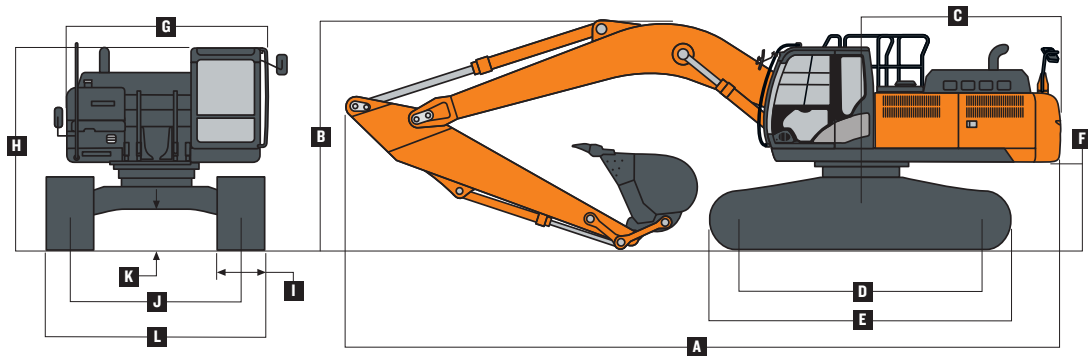
Serviceability		ZX380LC-6	
Refill Capacities			
Fuel Tank		630 L (166 gal.)	
Diesel Exhaust Fluid (DEF) Tank		70 L (18 gal.)	
Cooling System		45 L (12 gal.)	
Engine Oil with Filter		48 L (13 gal.)	
Hydraulic Tank		180 L (48 gal.)	
Hydraulic System		340 L (90 gal.)	
Swing Drive		15.7 L (16.6 qt.)	
Gearbox			
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; 1.4-m ³ (1.8 cu. yd.), 1370-mm (54 in.), 1160-kg (2,557 lb.) bucket; 4.0-m (13 ft. 1 in.) arm; 7900-kg (16,755 lb.) counterweight; and 800-mm (32 in.) heavy-duty (HD) triple semi-grouser shoes			
Operating Weight		37 428 kg (82,515 lb.)	
Component Weights			
Undercarriage w/ HD Triple Semi-Grouser Shoes			
800-mm (32 in.)		13 550 kg (29,872 lb.)	
One-Piece Boom (with arm cylinder) HD		3541 kg (7,806 lb.)	
Arm with Bucket Cylinder and Linkage			
3.2 m (10 ft. 6 in.) HD		1957 kg (4,315 lb.)	
4.0 m (13 ft. 1 in.)		1898 kg (4,184 lb.)	
Boom-Lift Cylinders (2) Total Weight		624 kg (1,376 lb.)	
Operating Dimensions			
Arm Length		3.2 m (10 ft. 6 in.) HD	4.0 m (13 ft. 1 in.)
Boom Length		6.4 m (21 ft. 0 in.)	6.4 m (21 ft. 0 in.)
Arm Digging Force			
SAE		177 kN (39,791 lb.)	153 kN (34,396 lb.)
ISO		185 kN (41,590 lb.)	159 kN (35,745 lb.)
Bucket Digging Force			
SAE		214 kN (48,109 lb.)	214 kN (48,109 lb.)
ISO		246 kN (55,303 lb.)	246 kN (55,303 lb.)
A	Maximum Reach	11.10 m (36 ft. 5 in.)	11.86 m (38 ft. 11 in.)
A'	Maximum Reach at Ground Level	10.89 m (35 ft. 9 in.)	11.67 m (38 ft. 3 in.)
B	Maximum Digging Depth	7.38 m (24 ft. 3 in.)	8.18 m (26 ft. 10 in.)
B'	Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	7.21 m (23 ft. 8 in.)	8.04 m (26 ft. 5 in.)
C	Maximum Cutting Height	10.36 m (34 ft. 0 in.)	10.75 m (35 ft. 3 in.)
D	Maximum Dumping Height	7.24 m (23 ft. 9 in.)	7.63 m (25 ft. 0 in.)
E	Minimum Swing Radius	4.46 m (14 ft. 8 in.)	4.47 m (14 ft. 8 in.)
F	Maximum Vertical Wall	6.42 m (21 ft. 1 in.)	7.27 m (23 ft. 10 in.)



SPECIFICATIONS

ZX380LC-6

Machine Dimensions		ZX380LC-6
A	Overall Length	
	3.2-m (10 ft. 6 in.) HD arm / 6.4-m (21 ft. 0 in.) HD boom	11.20 m (36 ft. 9 in.)
	4.0-m (13 ft. 1 in.) arm / 6.4-m (21 ft. 0 in.) HD boom	11.29 m (37 ft. 0 in.)
B	Overall Height	
	3.2-m (10 ft. 6 in.) HD arm / 6.4-m (21 ft. 0 in.) HD boom	3.27 m (10 ft. 9 in.)
	4.0-m (13 ft. 1 in.) arm / 6.4-m (21 ft. 0 in.) HD boom	3.60 m (11 ft. 10 in.)
C	Swing Radius	3.60 m (11 ft. 10 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	1.18 m (3 ft. 10 in.)
G	Upperstructure Width	2.99 m (9 ft. 10 in.)
H	Cab Height	3.14 m (10 ft. 4 in.)
I	Track Width with 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 with Triple Semi-Grouser Shoes	
	700 mm (28 in.)	3.29 m (10 ft. 10 in.)
	800 mm (32 in.)	3.39 m (11 ft. 2 in.)



Lift Charts
ZX380LC-6

Boldface type indicates hydraulically limited capacity; lightface type indicates stability-limited capacities, in kg (lb.). All lift capacities are based on ISO 10567 (with power boost). Machine equipped with 1273-kg (2,806 lb.) bucket and 800-mm (32 in.) HD shoes; 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.

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 3.20-m (10 ft. 6 in.) HD arm and 6.4-m (21 ft. 0 in.) HD boom												
6.0 m (20 ft.)									7780 (17,040)	6940 (14,890)		
4.5 m (15 ft.)							9760 (21,110)	9760 (21,090)	8410 (18,310)	6710 (14,410)	6310	4780
3.0 m (10 ft.)					15 930 (34,200)	14 370 (31,010)	11 430 (24,690)	9190 (19,810)	9260 (20,100)	6410 (13,780)	7730 (16,580)	4650 (9,970)
1.5 m (5 ft.)					18 430 (39,750)	13 400 (28,870)	12 870 (27,820)	8670 (18,680)	10 060 (21,790)	6120 (13,170)	7570 (16,270)	4510 (9,680)
Ground Line					19 190 (41,540)	12 990 (27,940)	13 670 (29,590)	8350 (17,960)	9980 (21,460)	5920 (12,730)	7470 (16,070)	4420 (9,490)
-1.5 m (-5 ft.)			12 170 (27,630)	12 170 (27,630)	18 650 (40,440)	12 920 (27,770)	13 670 (29,590)	8220 (17,680)	9890 (21,260)	5830 (12,550)		
-3.0 m (-10 ft.)	14 490 (32,500)	14 490 (32,500)	19 930 (45,250)	19 930 (45,250)	17 030 (36,840)	13 070 (28,080)	12 710 (27,420)	8270 (17,790)	9510 (20,290)	5900 (12,720)		
-4.5 m (-15 ft.)			18 680 (40,140)	18 680 (40,140)	13 900 (29,780)	13 420 (28,890)	10 190 (21,530)	8530 (18,420)				
With 4.0-m (13 ft. 1 in.) arm and 6.4-m (21 ft. 0 in.) HD boom												
7.5 m (25 ft.)									(14,580)	(14,580)		
6.0 m (20 ft.)									6900 (15,110)	6900 (15,110)	5700 (11,000)	5080 (10,830)
4.5 m (15 ft.)									7650 (16,660)	6940 (14,910)	7090 (15,510)	4970 (10,640)
3.0 m (10 ft.)					14 100 (30,280)	14 100 (30,280)	10 470 (22,620)	9540 (20,560)	8640 (18,740)	6620 (14,230)	7580 (16,520)	4800 (10,290)
1.5 m (5 ft.)					17 290 (37,280)	13 940 (30,030)	12 190 (26,360)	8960 (19,290)	9610 (20,840)	6300 (13,540)	7690 (16,520)	4620 (9,920)
Ground Line			6960 (15,920)	6960 (15,920)	18 970 (41,020)	13 280 (28,550)	13 390 (28,960)	8540 (18,370)	10 110 (21,730)	6040 (12,980)	7530 (16,190)	4480 (9,620)
-1.5 m (-5 ft.)	7010 (15,670)	7010 (15,670)	11 120 (25,190)	11 120 (25,190)	19 210 (41,600)	13 020 (27,990)	13 830 (29,930)	8310 (17,870)	9940 (21,370)	5890 (12,660)	7450 (16,030)	4410 (9,470)
-3.0 m (-10 ft.)	11 610 (26,040)	11 610 (26,040)	16 550 (37,530)	16 550 (37,530)	18 260 (39,520)	13 030 (28,010)	13 410 (28,980)	8260 (17,770)	9910 (21,310)	5860 (12,610)		
-4.5 m (-15 ft.)	17 110 (38,570)	17 110 (38,570)	22 660 (48,820)	22 660 (48,820)	16 010 (34,460)	13 250 (28,510)	11 850 (25,390)	8390 (18,080)	8570 (17,930)	6000 (12,980)		
-6.0 m (-20 ft.)			16 080 (33,860)	16 080 (33,860)	11 640 (24,390)	11 640 (24,390)	7850	7850				

SPECIFICATIONS

ZX380LC-6

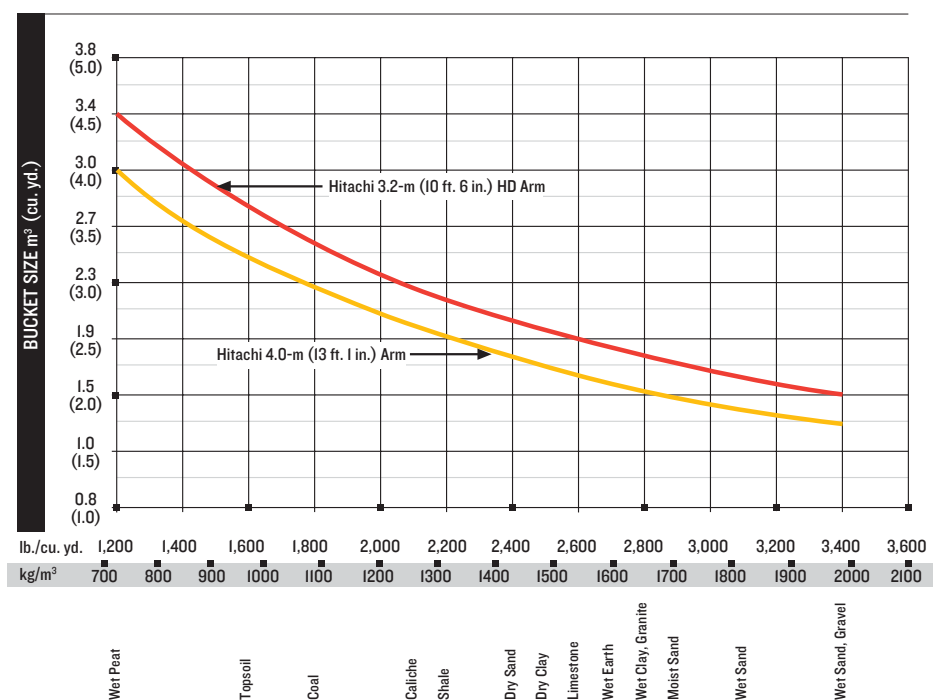
Buckets

ZX380LC-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 3.2 m (10 ft. 6 in.)		Arm Dig Force 4.0 m (13 ft. 1 in.)		Bucket Tip Radius		Number of Teeth
	mm	in.	m ³	cu. yd.	kg	lb.	kN	lb.	kN	lb.	kN	lb.	mm	in.	
General Purpose, High Capacity	1524	60	2.13	2.78	1673	3,687	225.7	50,737	185.0	41,588	154.5	34,725	1811	71.31	7
Heavy Duty Plate Lip	914	36	0.99	1.30	1061	2,338	244.6	54,994	185.0	41,581	158.3	35,585	1671	65.79	4
	1067	42	1.22	1.59	1203	2,651	244.8	55,044	185.0	41,594	158.3	35,595	1670	65.73	5
	1219	48	1.44	1.88	1300	2,866	244.7	55,019	185.0	41,588	158.3	35,590	1670	65.76	6
	1372	54	1.67	2.18	1393	3,072	244.7	55,019	185.0	41,588	158.3	35,590	1673	65.86	6
Heavy Duty Plate Lip, High Capacity	1067	42	1.33	1.74	1370	3,020	225.5	50,687	179.7	40,401	154.4	34,715	1813	71.38	5
	1219	48	1.58	2.07	1507	3,323	225.5	50,687	179.7	40,401	154.4	34,715	1813	71.38	6
	1372	54	1.84	2.41	1618	3,568	225.3	50,652	179.7	40,391	154.4	34,707	1814	71.43	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.

ZX350LC-6

ZX380LC-6

Key: ● Standard ▲ Optional or special kit

350	380	Engine
●	●	Auto-idle system
●	●	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
●	●	Full-flow oil filter
●	●	Turbocharger with charge air cooler
●	●	High-efficiency, low-noise fan
●	●	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
▲	▲	High-flow auxiliary hydraulic lines with dual stop valves
▲	▲	Dual pump flow combiner
▲	▲	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 3 additional
●	●	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.)
●	●	Single-bar shoes, 700 mm (28 in.) Heavy Duty (HD)
●	●	Triple semi-grouser shoes, 800 mm (32 in.)
●	●	Triple semi-grouser shoes, 800 mm (32 in.) HD
▲	▲	Undercarriage frame opening guard
▲	▲	Heavy-duty track frame undercover

350	380	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, 3.2 m (10 ft. 6 in.)
▲	▲	Arm, 3.2 m (10 ft. 6 in.) HD
▲	▲	Arm, 4.0 m (13 ft. 1 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
▲	▲	"D" channel guard
▲	▲	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)
●	●	Mode selectors (illuminated): Power modes (3) / Travel modes (2 with automatic shift) / Work mode (1)

350	380	Operator's Station (continued)
●	●	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
●	●	Motion alarm with cancel switch (conforms to SAE J994)
●	●	Power-boost switch on right console lever
●	●	Auxiliary hydraulic control switches in right console lever
●	●	SAE 2-lever control pattern
●	●	Seat belt, 76 mm (3 in.), retractable
●	●	Tinted glass
●	●	Transparent tinted overhead hatch
●	●	Hot/cold beverage compartment
●	●	USB charging port
▲	▲	Adjustable flow and pressure in monitor
▲	▲	Air-suspension heated seat
▲	▲	Premium heated/cooled leather seat
▲	▲	Hydraulic oil filter restriction indicator light
▲	▲	Protection screens for cab front, rear, and side
▲	▲	Window vandal-protection covers
▲	▲	In-monitor adjustable flow and pressure auxiliary hydraulics with AFL
Grade Management		
▲	▲	Solution Linkage 2D Grade Guidance
▲	▲	Solution Linkage 3D Grade Guidance
▲	▲	Solution Linkage 2D Grade Control
▲	▲	Solution Linkage 3D Grade Control
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 / One mounted on boom / One mounted on frame
▲	▲	2 lights mounted on cab / One 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 ZX350LC-6 unit with 6900-kg (15,212 lb.) counterweight and 800-mm (32 in.) triple semi-grouser shoes; and a ZX380LC-6 unit with 7900-kg (16,755 lb.) counterweight and 800-mm (32 in.) heavy-duty triple semi-grouser shoes.

The background of the entire page is a photograph of a construction site, specifically a large pile of excavated earth and rocks. The image is heavily filtered with a solid orange color. On the right side, the arm and bucket of a Hitachi excavator are partially visible, extending from the edge into the frame. The word "HITACHI" is centered in the middle of the page in a white, bold, sans-serif font.

HITACHI