







#### **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, singlepedal 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.



# 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





### 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 undercovers 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.





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 I0,000 hours, whichever comes first.

# These excavators give you BIG-TIME UPTIME.



#### ROCK-SOLID FRAME

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



#### **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.

## **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<sup>TM</sup> 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.

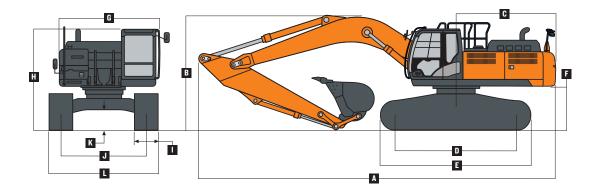
#### **ZX350LC-6**

Engine	ZX350LC-6		
Manufacturer and Model	Isuzu 6HKI		
Non-Road Emission Standard	EPA Final Tier 4 / EU	Stage IV	
Net Rated Power (ISO 9249)	202 kW (271 hp) at I	,900 rpm	
Cylinders	6		
Displacement	7.8 L (475 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration		-air charge-air cooler	
Cooling	and the second s	an enange an econor	
	nd cool-on-demand hydra	aulic-driven, suction-type	e fan with remote-mounted drive for hydraulic oil cooler
Powertrain	na ooon on aomana nyan	auno uniton, ouomon typ	Tall Title College House of College Co
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 l	h \	
Hvdraulics	30 330 kg (00,300 i	u. <i>)</i>	
• • • • • • • • • • • • • • • • • • • •			
Open center, pilot controlled	2 variable displace	ont numno	
Main Pumps	2 variable-displacem		
Maximum Rated Flow	288 L/m (76.1 gpm)	X Z	
System Operating Pressure			
Circuits	(		
Implement	34 300 kPa (4,975 p	,	
Travel	35 500 kPa (5,149 pa		
Swing	33 300 kPa (4,830 p	,	
Power Boost	38 000 kPa (5,511 ps	,	
Controls	Pilot levers, short-st	roke, low-effort hydraulic	pilot controls with shutoff lever
Cylinders			
Heat-treated, chrome-plated, polished cylinder r	ods, hardened steel (rep	laceable 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 (I)	170 mm (6.7 in.)	115 mm (4.5 in.)	1740 mm (68.5 in.)
Bucket (I)	140 mm (5.5 in.)	95 mm (3.7 in.)	1250 mm (49.2 in.)
Electrical			
Number of Batteries (I2 volt)	2		
Battery Capacity	1,000 CCA		
Alternator Rating	50 amp		
Work Lights	2 halogen (one mour	nted on boom, one on frar	ne)
Undercarriage	, in the second		,
Rollers (each side)			
Carrier	2		
Track	8		
Shoes, Triple Semi-Grousers (each side)	48		
Track	.5		
Adjustment	Hydraulic		
Guides	3 per side		
Chain	Sealed and lubricate	d	
Ground Pressure	Scarcu and numicale	u	
	40.2 kDo (715:\		
800-mm (32 in.) Triple Semi-Grouser Shoes	49.3 kPa (7.15 psi)		
Swing Mechanism	10.7		
Speed Torque	10.7 rpm	N. (1)	
IOTALIO	120 000 Nm (88,500	i in -ft )	

0.	Annah Man	7705010.0		
	riceability	ZX350LC-6		
	II Capacities	2001 (100 - 1)		
	uel Tank	630 L (166 gal.)		
	iesel Exhaust Fluid (DEF) Tank	70 L (18 gal.)		
	ooling System	45 L (12 gal.)		
	ngine Oil with Filter	48 L (13 gal.)		
	ydraulic Tank	180 L (48 gal.)		
	ydraulic System	340 L (90 gal.)		
	wing Drive	15.7 L (16.6 qt.)		
G	earbox			
	Propel (each)	9.2 L (9.7 qt.)		
	Pump Drive	1.1 L (1.2 qt.)		
	rating Weights			
	ı full fuel tank; 79-kg (175 lb.) operator; 1.4	, , , , , , , , , , , , , , , , , , , ,		
	m (13 ft. 1 in.) arm; 6900-kg (15,212 lb.) co		in.) triple semi-grouser shoes	
Ope	rating Weight	35 198 kg (77,598 lb.)		
Com	ponent Weights			
U	ndercarriage w/ Triple Semi-Grouser Shoes	3		
	800-mm (32 in.)	12 710 kg (28,021 lb.)		
0	ne-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.)		
Α	rm 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.)		
В	oom Lift Cylinders (2), Total Weight	290 kg (639 lb.)		
<b>O</b> per	rating Dimensions			
Arm	Length	3.2 m (10 ft. 6 in.)	4.0 m (13 ft. 1 in.)	
Booi	n Length	6.4 m (21 ft. 0 in.)	6.4 m (21 ft. 0 in.)	
Α	rm Digging Force	, ,		1
	SAE	177 kN (39,791 lb.)	153 kN (34,396 lb.)	→E → □
	ISO	185 kN (41,590 lb.)	159 kN (35,745 lb.)	N.W.
В	ucket Digging Force	,	, ,	OF S
	SAE	214 kN (48,109 lb.)	214 kN (48,109 lb.)	D D CENTERLINE OF SWING
	ISO	246 kN (55,303 lb.)	246 kN (55,303 lb.)	E D C D
Α	Maximum Reach	II.IO m (36 ft. 5 in.)	II.86 m (38 ft. II in.)	
Α¹	Maximum Reach at Ground Level	10.89 m (35 ft. 9 in.)	II.67 m (38 ft. 3 in.)	
В	Maximum Digging Depth	7.38 m (24 ft. 3 in.)	8.18 m (26 ft. 10 in.)	
B <sup>i</sup>	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.)	GROUND LINE
C	Maximum Cutting Height	10.36 m (34 ft. 0 in.)	10.75 m (35 ft. 3 in.)	1 1 1
D	Maximum Dumping Height	7.24 m (23 ft. 9 in.)	7.63 m (25 ft. 0 in.)	A A A
E	Minimum Swing Radius	4.46 m (14 ft. 8 in.)	4.47 m (14 ft. 8 in.)	B B' \F
F	Maximum Vertical Wall	6.42 m (21 ft. 1 in.)	7.27 m (23 ft. 10 in.)	
	WIGAIIIGHT VOITICAT VVAIT	0.7£ III (£1 II. 1 III.)	1.E7 III (E0 II. IO III.)	

#### **ZX350LC-6**

Ma	chine Dimensions	ZX350LC-6
Α	Overall Length	
	3.2-m (10 ft. 6 in.) arm / 6.4-m (21 ft. 0 in.) boom	II.20 m (36 ft. 9 in.)
	4.0-m (13 ft. 1 in.) arm / 6.4-m (21 ft. 0 in.) boom	II.29 m (37 ft. 0 in.)
В	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 (II ft. 10 in.)
C	Swing Radius	3.60 m (II ft. IO in.)
D	Distance Between Idler/Sprocket Centerline	4.05 m (I3 ft. 3 in.)
Ε	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.)
Н	Cab Height	3.14 m (10 ft. 4 in.)
- 1	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 (II ft. 2 in.)



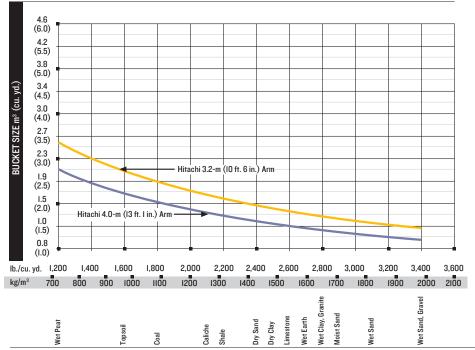
standard gauge; and situated on fi	rm, uniform supporting	surface. Total lo	ad includes wei	ght of cables. h	ook, etc. Figures	do not exceed 8	37 percent of hy	draulic capaciti	es or 75 percent	of weight needs	d to tip machine	).	
oad Point Height	1.5 m		3.0 m	-	4.5 m			(20 ft.)		(25 ft.)	9.0 m (		
Horizontal 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 ar	nd 1273-kg (2,80	6 lb.) bucket										
6.0 m (20 ft.)									7960	6440			
									(17,430)	(13,810)			
4.5 m (I5 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	(4530	19 970	19 970	(77.700)	12 210	13 030	7710	9290	5480			
45 ( 15.0 )	(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 (41,260)	19 200 (41,260)	14 280 (30,590)	12 530 (26,960)	10 490 (22,170)	7950 (17,150)					
With 4.0-m (13 ft. I in.) arm, 6.4-m	(21 ft () in ) beam and	1272 14 (2 000		(41,200)	(30,330)	(20,300)	(22,170)	(17,100)					
7.5 m (25 ft.)	(21 II. U III.) DUUIII aiiu	1273-Kg (2,000	ib.) bucket										
7.5 III (25 II.)									(14,660)	(14,340)			
6.0 m (20 ft.)									6,940	6580	5700	4600	
0.0 m (20 m.)									(15,190)	(14,110)	(11,000)	(9,810	
4.5 m (I5 ft.)									7700	6340	7140	4500	
4.0 iii (10 11.)									(16,760)	(13,600)	(15,550)	(9,620	
3.0 m (IO ft.)					14 170	13 920	10 530	8750	8700	6030	7230	4340	
(10 11)					(30,440)	(30,010)	(22,750)	(18,840)	(18,870)	(12,950)	(15,510)	(9,290	
I.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)							

#### **SPECIFICATIONS**

#### 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 I50 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings. **Arm Dig Force Arm Dig Force** Number **Bucket Dig Force** 3.2 m (10 ft. 6 in.) 4.0 m (13 ft. 1 in.) **Bucket Tip Radius Bucket Width Bucket Capacity** of Teeth Type Bucket **Bucket Weight** mm in. m3 cu. yd. kg lb. kN lb. kN kN 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 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 1.88 1300 2,866 244.7 55,019 41,588 35,590 65.76 1.44 185.0 158.3 1670 6 1372 54 1.67 2.18 1393 244.7 55,019 185.0 41,588 158.3 35,590 6 3.072 1673 65.86

Heavy Duty Plate Lip, 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 High Capacity 1219 48 40,401 154.4 1813 1.58 2.07 1507 3.323 225.5 50.687 179.7 34,715 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\*** 



<sup>\*</sup>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.



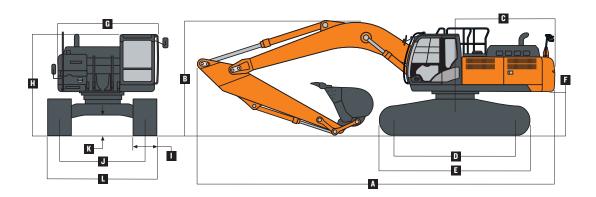
#### ZX380LC-6

Engine	ZX380LC-6		
Manufacturer and Model	Isuzu 6HKI		
Non-Road Emission Standard	EPA Final Tier 4 / EU		
Net Rated Power (ISO 9249)	202 kW (271 hp) at I,	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			
	nd cool-on-demand hydra	aulic-driven, suction-typ	e 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 lk	h.)	
Hydraulics	or our lig (output li	,	
Open center, pilot controlled			
Main Pumps	2 variable-displacem	ent pumps	
Maximum Rated Flow	288 L/m (76.1 gpm) x		
System Operating Pressure	200 2/111 (1011 86111)	\ <u></u>	
Circuits			
Implement	34 300 kPa (4,975 ps	ci)	
Travel	35 500 kPa (5,149 ps	,	
Swing	33 300 kPa (4,830 ps	,	
Power Boost	38 000 kPa (5,511 ps	,	
Controls	· · ·	,	pilot controls with shutoff lever
Cylinders	F 1101 16V613, 311011-311	oke, low-ellort flydraum	5 pilot controls with shutoff level
Cylinders	Bore	Rod Diameter	Stroke
Boom (2)	145 mm (5.7 in.)	100 mm (3.9 in.)	1520 mm (59.8 in.)
Arm (I)	170 mm (6.7 in.)	115 mm (4.5 in.)	1740 mm (68.5 in.)
Bucket (I)	` ′	` '	,
Electrical	140 mm (5.5 in.)	95 mm (3.7 in.)	1250 mm (49.2 in.)
Number of Batteries (I2 volt)	2		
Battery Capacity	1,000 CCA		
Alternator Rating	50 amp		
Work Lights	2 nalogen (one moun	ted on boom, one on frai	ne <i>)</i>
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	d	
Ground Pressure			
800-mm (32 in.) Triple Semi-Grouser Shoes	52.5 kPa (7.61 psi)		
Swing Mechanism			
	10.7 rpm		

Serviceabili		ZX380LC-6		
Refill Capac	cities			
Fuel Tan	k	630 L (166 gal.)		
Diesel Ex	xhaust Fluid (DEF) Tank	70 L (18 gal.)		
Cooling	System	45 L (I2 gal.)		
Engine 0	Oil with Filter	48 L (13 gal.)		
Hydrauli	ic Tank	180 L (48 gal.)		
Hydrauli	ic System	340 L (90 gal.)		
Swing Dr	rive	15.7 L (16.6 qt.)		
Gearbox				
Prope	el (each)	9.2 L (9.7 qt.)		
Pump	Drive	I.I L (I.2 qt.)		
Operating V	<b>V</b> eights			
With full fu	el tank; 79-kg (175 lb.) operator; 1.4	-m3 (1.8 cu. yd.), 1370-mm	(54 in.), II60-kg (2,557 lb.) bucket; 4.0-ı	n (13 ft. 1 in.) arm; 7900-kg (16,755 lb.) counterweight; and
800-mm (3	32 in.) heavy-duty (HD) triple semi-s	grouser shoes		
Operating V		37 428 kg (82,515 lb.)		
Component	Weights	,		
Underca	rriage w/ HD Triple Semi-Grouser Sh	10es		
800-r	mm (32 in.)	13 550 kg (29,872 lb.)		
One-Pied	ce 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. I in.)	1898 kg (4,184 lb.)		
Boom-Li	ft Cylinders (2) Total Weight	624 kg (1,376 lb.)		
Operating D	Dimensions			
Arm Length	ı	3.2 m (10 ft. 6 in.) HD	4.0 m (13 ft. 1 in.)	
Boom Lengt	th	6.4 m (21 ft. 0 in.)	6.4 m (21 ft. 0 in.)	
Arm Digg	ging Force	, ,	,	
SAE	•	177 kN (39,791 lb.)	153 kN (34,396 lb.)	
ISO		185 kN (41,590 lb.)	159 kN (35,745 lb.)	NS:
Bucket D	Digging Force		,	CENTERLINE OF SWING
SAE	- 50 - 0	214 kN (48,109 lb.)	214 kN (48,109 lb.)	
ISO		246 kN (55,303 lb.)	246 kN (55,303 lb.)	C D
A Maxii	mum Reach	11.10 m (36 ft. 5 in.)	II.86 m (38 ft. II in.)	
	mum Reach at Ground Level	10.89 m (35 ft. 9 in.)	II.67 m (38 ft. 3 in.)	
	mum Digging Depth	7.38 m (24 ft. 3 in.)	8.18 m (26 ft. 10 in.)	
	mum Digging Depth at	7.21 m (23 ft. 8 in.)	8.04 m (26 ft. 5 in.)	
	14-m (8 ft.) Flat Bottom	, - ,	,	GROUND LINE
	mum Cutting Height	10.36 m (34 ft. 0 in.)	10.75 m (35 ft. 3 in.)	A'-
	mum Dumping Height	7.24 m (23 ft. 9 in.)	7.63 m (25 ft. 0 in.)	-
	mum Swing Radius	4.46 m (14 ft. 8 in.)	4.47 m (14 ft. 8 in.)	B B' F
	mum Vertical Wall	6.42 m (21 ft. 1 in.)	7.27 m (23 ft. 10 in.)	

#### ZX380LC-6

Mad	hine Dimensions	ZX380LC-6
Α	Overall Length	
	3.2-m (10 ft. 6 in.) HD arm / 6.4-m (21 ft. 0 in.) HD boom	II.20 m (36 ft. 9 in.)
	4.0-m (13 ft. 1 in.) arm / 6.4-m (21 ft. 0 in.) HD boom	II.29 m (37 ft. 0 in.)
В	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 (II ft. IO in.)
C	Swing Radius	3.60 m (II 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	I.18 m (3 ft. 10 in.)
G	Upperstructure Width	2.99 m (9 ft. 10 in.)
Н	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 (IO ft. IO in.)
	800 mm (32 in.)	3.39 m (II ft. 2 in.)

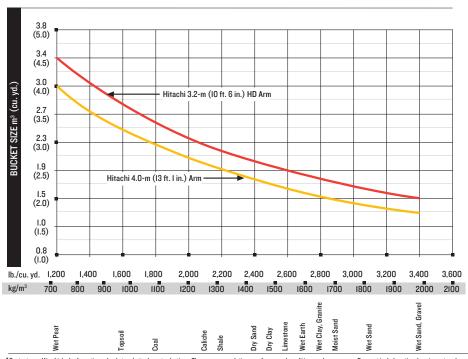


(32 in.) HD shoes; standard gauge; a	ana satuateu on mini, umi	orm supporting :	surtace. Total load	ı inciudes weign	t of cables, hook,	etc. Figures ao n	or exceed 87 per	cent of nyaraulic	capacities or 75	percent of weign	t needed to tip ma	acilille.	
Load Point Height	1.5 m	(5 ft.)	3.0 m	3.0 m (10 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 Sid	
With 3.20-m (10 ft. 6 in.) HD arm a	and 6.4-m (21 ft. 0 in.) I	ID 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)	67I0 (14,4I0)	6310	4780	
3.0 m (I0 ft.)					15 930 (34,200)	14 370 (31,010)	(24,690)	9190 (19,810)	9260 (20,100)	64I0 (I3,780)	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)	6I20 (I3,I70)	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	
-1.5 m (-5 ft.)			12 170 (27,630)	12 170 (27,630)	18 650 (40,440)	12 920 (27,770)	(29,590) (29,590)	8220 (17,680)	9890 (21,260)	5830 (12,550)	(10,070)	(3,43)	
-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 (-I5 ft.)	(32,300)	(32,300)	18 680 (40,140)	18 680 (40,140)	13 900 (29,780)	(28,890)	10 190 (21,530)	8530 (18,420)	(20,230)	(12,720)			
With 4.0-m (I3 ft. I in.) arm and 6.	4-m (21 ft. O in.) HD bo	om	(40,140)	(40,140)	(23,100)	(20,030)	(21,000)	(10,420)					
7.5 m (25 ft.)	(=								(14,580)	(14,580)			
6.0 m (20 ft.)									6900 (15,110)	6900 (15,110)	5700 (II,000)	5080 (10,83	
4.5 m (I5 ft.)									7650 (16,660)	6940 (14,910)	7090 (15,510)	4970	
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	
1.5 m (5 ft.)					17 290 (37,280)	13 940 (30,030)	12 I90 (26,360)	8960 (19,290)	9610 (20,840)	6300 (13,540)	7690 (16,520)	4620	
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)	448	
-1.5 m (-5 ft.)	7010 (15,670)	7010 (15,670)	II 120 (25,190)	II 120 (25,190)	19 210 (41,600)	13 020 (27,990)	13 830 (29,930)	83IO (17,870)	9940 (21,370)	5890 (12,660)	7450 (16,030)	4410	
-3.0 m (-10 ft.)	(1610 (26,040)	(1610 (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)	(.2,222)	(=,	
-4.5 m (-I5 ft.)	17 IIO (38,570)	17 IIO (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.)	(23,530)	(,3)	16 080 (33,860)	16 080 (33,860)	(1,100) (1,640 (24,390)	II 640 (24,390)	7850	7850	(,)	(,3)			

#### **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 I50 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings. Arm Dig Force Arm Dig Force Num

									Arm Di	g Force	Arm D	ig Force			Number
Type Bucket	Bucket	Width	Bucket	Capacity	Bucket	Weight	Bucket	Dig Force	3.2 m (II	) ft. 6 in.)	4.0 m (I	3 ft. 1 in.)	Bucket 1	Tip Radius	of Teeth
	mm	in.	m <sup>3</sup>	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*															



<sup>\*</sup>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

							<b>Key:</b> ● Standard ▲ Optional or special
350 3	80 Engine	350	380	Upperstructure	350	380	Operator's Station (continued)
•	Auto-idle system	•	•	Right-hand, left-hand, and	•	•	Multifunction, color LCD monitor with:
	Batteries (2 – I2 volt)			counterweight mirrors			Diagnostic capability / Multiple-language
	Coolant recovery tank	•	•	Vandal locks with ignition key: Cab door /			capabilities / Maintenance tracking / Clock /
	Dual-element dry-type air filter			Service doors / Toolbox			System monitoring with alarm features:
	Electronic engine control	•	•	Debris screen			Auto-idle indicator, engine air cleaner
(	<ul> <li>Enclosed fan guard (conforms to SAE JI308)</li> </ul>	•	•	Remote-mounted engine oil and fuel filters			restriction indicator light, engine check,
	<ul> <li>Engine coolant to −37 deg. C (−34 deg. F)</li> </ul>	<b>A</b>	_	"D" channel guard			engine coolant temperature indicator light
	Programmable auto shutdown			Front Attachments			with audible alarm, engine oil pressure
	Fuel filter with water separator	•	•	Centralized lubrication system			indicator light with audible alarm, low-
	Full-flow oil filter	•	•	Dirt seals on all bucket pins			alternator-charge indicator light, low-fuel
	Turbocharger with charge air cooler	•	•	Less boom and arm			indicator light, low DEF indication with audible
(	High-efficiency, low-noise fan	•	•	Oil-impregnated bushings			alarm, fault code alert indicator, fuel-rate
	500-hour engine-oil-change interval	•	•	Reinforced resin thrust plates			display, wipermode indicator, work-lights-on
	<ul> <li>70% (35 deg.) off-level capability</li> </ul>	•	•	Tungsten carbide thermal coating on			indicator, and work-mode indicator
	Severe-duty fuel filter			arm-to-bucket joint	•	•	Motion alarm with cancel switch (conforms to
	Engine-oil-sampling value	<b>A</b>		Arm, 3.2 m (10 ft. 6 in.)			SAE J994)
	△ Chrome exhaust stack			Arm, 3.2 m (10 ft. 6 in.) HD	•	•	Power-boost switch on right console lever
	▲ Engine coolant heater	<b>A</b>	•	Arm, 4.0 m (13 ft. 1 in.)	•	•	Auxiliary hydraulic control switches in right
	Engine doctain ricator  Engine air pre-cleaner	<b>A</b>	_	Attachment quick-couplers			console lever
	Hydraulic System		_	Boom cylinder with plumbing to mainframe	•	•	SAE 2-lever control pattern
	Reduced-drift valve for boom down, arm in	_	_	less boom and arm	•	•	Seat belt, 76 mm (3 in.), retractable
	Auxiliary hydraulic valve section		_		•	•	Tinted glass
	Spring-applied, hydraulically released			capacity / Side cutters and teeth	•	•	Transparent tinted overhead hatch
	automatic swing brake		•	"D" channel guard	•	•	Hot/cold beverage compartment
	Auxiliary hydraulic-flow adjustments	_	_	ŭ	•	•	USB charging port
	through monitor	_	_	Super-long fronts	<b>A</b>	<b>A</b>	Adjustable flow and pressure in monitor
	Auto power lift		ī	Operator's Station			Air-suspension heated seat
	5,000-hour hydraulic-oil-change interval	•	•	Adjustable independent-control positions	<b>A</b>	•	Premium heated/cooled leather seat
	Hydraulic-oil-sampling valve	•		(levers-to-seat, seat-to-pedals)	<b>A</b>	<b>A</b>	
	HIOS III hydraulic management system			AM/FM radio	<b>A</b>	•	Protection screens for cab front, rear,
	, , , , , , , , , , , , , , , , , , , ,			Auto climate control/air conditioner			and side
	Control pattern change valve	•	•	/heater/pressurizer		<b>A</b>	Window vandal-protection covers
	High-flow auxiliary hydraulic lines with dual		•	Built-in Operator's Manual storage	_	_	In-monitor adjustable flow and pressure
	stop valves			The state of the s	_	_	auxiliary hydraulics with AFL
	Dual pump flow combiner			compartment and manual Cell-phone power outlet, I2 volt, 60 watt,			Grade Management
	Auxiliary hydraulics with combination piping						Solution Linkage 2D Grade Guidance
	Auxiliary pilot and electric controls			5 amp			Solution Linkage 3D Grade Guidance
	Hydraulic filter restriction indicator kit	•	•	Coat hook	<u> </u>		Solution Linkage 3D Grade Control
	Load-lowering control / Anti-drift device	•	•	Deluxe suspension cloth seat with IOO-mm			
	▲ Single-pedal propel control		_	(4 in.) adjustable armrests			Solution Linkage 3D Grade Control  Electrical
	Undercarriage		•	Floor mat			
	Planetary drive with axial piston motors	•	•	Front windshield wiper with		•	50-amp alternator
	Propel motor shields		_	intermittent speeds			Battery disconnect switch
•	<ul> <li>Spring-applied, hydraulically released</li> </ul>	•	•	Gauges (illuminated): Diesel Exhaust Fluid		•	Blade-type multi-fused circuits
	automatic propel brake			(DEF) / Engine coolant / Fuel	•	•	Positive-terminal battery covers
	<ul> <li>Track guides, front idler and 3 additional</li> </ul>	•	•	Horn, electric	•	•	ZXLink™ wireless communication system
	2-speed propel with automatic shift	•	•	Hour meter, electric			(available in specific countries; see your
	<ul><li>Upper carrier rollers (2)</li></ul>	•	•	Hydraulic shutoff lever, all controls		_	dealer for details)
	<ul> <li>Sealed and lubricated track chain</li> </ul>	•	•	Hydraulic warm-up control	•	•	Rearview camera
	Heavy-duty undercover	•	•	Interior light	_		Cab extension wiring harness
	Triple semi-grouser shoes, 600 mm (24 in.)	•	•	Large cup holder			Lights
	Triple semi-grouser shoes, 700 mm (28 in.)	•	•	Machine Information Center (MIC)	•	•	Work lights: Halogen / One mounted on boom
	<ul> <li>Single-bar shoes, 700 mm (28 in.)</li> </ul>	•	•	Mode selectors (illuminated): Power modes			/ One mounted on frame
	Heavy Duty (HD)			(3) / Travel modes (2 with automatic shift) /	_	_	2 lights mounted on cab / One mounted on
	Triple semi-grouser shoes, 800 mm (32 in.)			Work mode (I)			right side of boom
	Triple semi-grouser shoes, 800 mm (32 in.) HD				<b>A</b>	_	LED light kit
	▲ Undercarriage frame opening guard						
	Heavy-duty track frame undercover						

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

▲ Heavy-duty track frame undercover

# HITACHI

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