

SPECIFICATIONS

ZX350LCH-5A

HITACHI

Reliable Solutions

LANDCROS

ENGINE

Model	Isuzu GH-6HK1X
Type	4-cycle water-cooled, common rail direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
Rated power	
ISO 9249, net	190 kW (254 HP) at 1 900 min ⁻¹
SAE J1349, net	190 kW (254 HP) at 1 900 min ⁻¹
Maximum torque	1 037 Nm (106.0 kgfm) at 1 500 min ⁻¹
Piston displacement ..	7.790 L
Bore and stroke	115 mm x 125 mm
Batteries	2 x 12 V

HYDRAULIC SYSTEM

Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 288 L/min
Pilot pump	1 gear pump
Maximum oil flow ..	30.2 L/min

Hydraulic Motors

Travel	2 variable displacement axial piston motors
Swing	1 axial piston motor

Relief Valve Settings

Implement circuit	34.3 MPa (350 kgf/cm ²)
Swing circuit	32.4 MPa (330 kgf/cm ²)
Travel circuit	34.8 MPa (355 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	38.0 MPa (388 kgf/cm ²)

Hydraulic Cylinders

	Quantity
Boom	2
Arm	1
Bucket	1

UPPERSTRUCTURE

Revolving Frame

D-section frame skirt for resistance to deformation.

Swing Device

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed	10.7 min ⁻¹
Swing torque	120 kNm (12 200 kgfm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* 10262 OPG Top Guard Level 1.

* International Organization for Standardization

UNDERCARRIAGE

Tracks

Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers	2
Lower rollers	8
Track shoes	48
Track guard	3

Travel Device

Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.

Travel speeds	High : 0 to 5.0 km/h
	Low : 0 to 3.2 km/h

Maximum traction force ..	298 kN (30 400 kgf)
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Gradeability	70% (35 degree) continuous
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SERVICE REFILL CAPACITIES

Fuel tank	630 L
Engine coolant	35 L
Engine oil	41 L
Swing device	15.7 L
Travel device (each side)	9.2 L
Hydraulic system	340 L
Hydraulic oil tank	180 L

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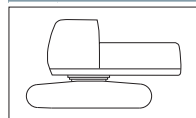
WEIGHTS AND GROUND PRESSURE

Operating weight and Ground pressure

	ZX350LCH-5A*			
	Shoe width	Arm length	kg	kPa (kgf/cm ²)
Triple grouser	600 mm	2.67 m	34 800	65 (0.66)
		3.20 m	34 900	66 (0.67)

* :Including 2.0 m³ (ISO heaped) bucket weight (1 930 kg) and counterweight (7 600kg).

WEIGHT: BASIC MACHINE and COMPONENTS



Excluding front-end attachment, fuel, hydraulic oil, coolant, etc., and including counterweight.

	ZX350LCH-5A	
Shoe width	Weight	Overall width
600 mm	26 700 kg	3 190 mm

Component weights

	ZX350LCH-5A
Counterweight	7 600 kg
Boom (with boom and arm cylinder)	3 930 kg
Arm 3.20 m (with bucket cylinder)	2 020 kg
Arm 2.67 m (with bucket cylinder)	1 911 kg
Bucket 2.0 m ³	1 930 kg

BUCKET AND ARM DIGGING FORCES

Arm Length	2.67 m	3.20 m
Bucket digging force* ISO	246 kN (25 100 kgf)	246 kN (25 100 kgf)
Bucket digging force* SAE	214 kN (21 800 kgf)	214 kN (21 800 kgf)
Arm crowd force* ISO	222 kN (22 600 kgf)	185 kN (18 900 kgf)
Arm crowd force* SAE	213 kN (21 700 kgf)	177 kN (18 100 kgf)

*Calculated value at power boost

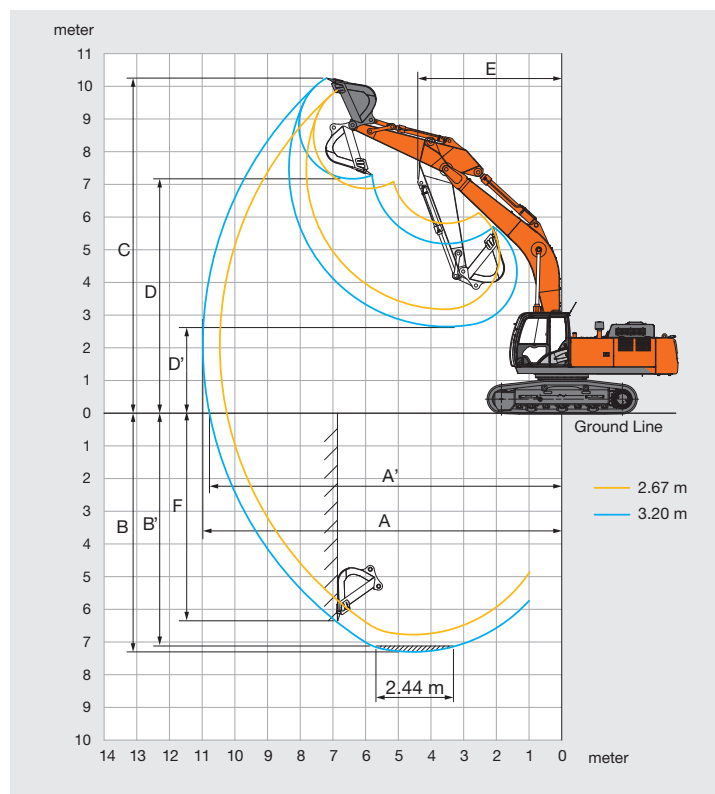
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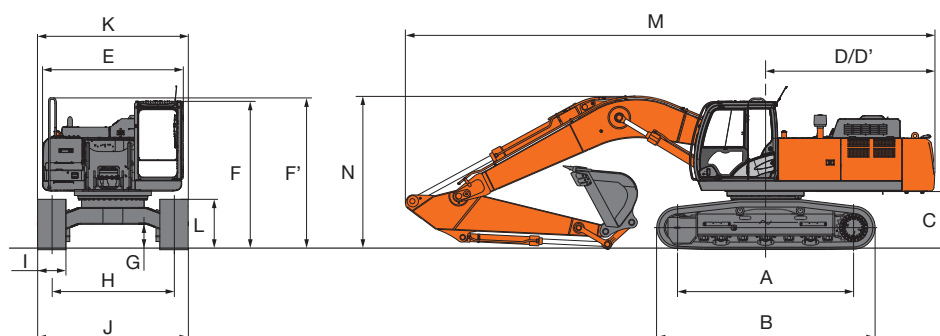
WORKING RANGES

Unit: mm

Arm length	2.67 m	3.20 m
A Max. digging reach	10 570	11 100
A' Max. digging reach (on ground)	10 360	10 890
B Max. digging depth	6 840	7 380
B' Max. digging depth for 2.5 m level	6 640	7 210
C Max. cutting height	9 990	10 360
D Max. dumping height	6 940	7 240
D' Min. dumping height	3 210	2 680
E Min. swing radius	4 610	4 460
F Max. vertical wall digging depth	5 510	6 420



DIMENSIONS



Unit: mm

	ZX350LCH-5A
A Distance between tumbler	4 050
B Undercarriage length	4 950
C Counterweight clearance	1 160
D Rear-end swing radius	3 590
D' Rear-end length	3 590
E Overall width of upperstructure	2 990
F Overall height of cab	3 160
F' Overall height of upperstructure	3 220
G Min. ground clearance	500
H Track gauge	2 590
I Track shoe width	600
J Undercarriage width	3 190
K Overall width	3 190
L Track height with triple grouser shoes	1 070
M Overall length	
With arm 2.67 m	11 350
With arm 3.20 m	11 220
N Overall height of boom	
With arm 2.67 m	3 470
With arm 3.20 m	3 270

G: Triple grouser shoes

LIFTING CAPACITIES (Without Bucket)

ZX350LCH-5A

Notes: 1. Ratings are based on ISO 10567.

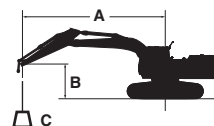
2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.

3. The load point is the center-line of the bucket pivot mounting pin on the arm.

4. *Indicates load limited by hydraulic capacity.

5. 0 m = Ground.

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.



A: Load radius

B: Load point height

C: Lifting capacity

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Rating over-front



Rating over-side or 360 degrees

Unit : kg

Conditions	Load point height m	Load radius m												At max. reach		
		1.5		3.0		4.5		6.0		7.5		9.0				
																meter
Boom 6.40 m H	6.0									*8 830	7 310			*6 210	5 790	8.58
Arm 3.20 m H	4.5							*10 810	9 990	*9 460	7 080	*7 370	5 260	*6 230	5 130	9.12
Counterweight 7 600 kg	3.0					*16 970	14 220	*12 480	9 390	*10 310	6 780	7 990	5 130	*6 450	4 780	9.39
Shoe 600 mm	1.5					*19 460	13 250	*13 910	8 870	10 310	6 500	7 840	4 990	*6 890	4 660	9.42
	0 (Ground)					*20 220	12 840	14 120	8 540	10 080	6 290	7 740	4 900	7 510	4 760	9.19
	-1.5			*13 230	*13 230	*19 690	12 770	13 960	8 410	9 980	6 210			8 100	5 110	8.70
	-3.0	*15 540	*15 540	*20 980	*20 980	*18 060	12 910	*13 750	8 460	10 050	6 270			9 370	5 890	7.90
	-4.5			*19 710	*19 710	*14 940	13 270	*11 240	8 730					*9 540	7 620	6.66
Boom 6.40 m H	6.0							*10 250	*10 250	*9 510	7 210			*9 410	6 450	8.00
Arm 2.67 m H	4.5					*14 810	*14 810	*11 580	9 830	*10 020	7 000			8 730	5 640	8.58
Counterweight 7 600 kg	3.0					*18 250	13 860	*13 140	9 260	10 560	6 730			8 160	5 230	8.87
Shoe 600 mm	1.5							*14 380	8 810	10 290	6 490			8 000	5 100	8.89
	0 (Ground)					*20 170	12 880	14 120	8 550	10 110	6 330			8 240	5 230	8.65
	-1.5			*13 770	*13 770	*19 190	12 910	14 040	8 490	10 070	6 290			9 000	5 680	8.13
	-3.0			*22 090	*22 090	*17 120	13 120	*13 190	8 610					*10 300	6 710	7.26
	-4.5			*16 770	*16 770	*13 270	*13 270							*9 830	9 240	5.88

EQUIPMENT

ZX350LCH-5A

Standard and optional equipment may vary by country, so please consult authorized dealer for details.

● : Standard equipment

○ : Optional equipment

	ZX350LCH-5A
ENGINE	
Air cleaner double filters	●
Alternator 50 A	●
Auto idle system	●
Auto shut-down control	●
Cartridge-type engine oil filter	●
Cartridge-type fuel main filter	●
Cartridge-type fuel pre-filter with water separator	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
Dust-proof indoor net	●
ECO/PWR mode control	●
Engine oil drain coupler	●
Engine warm-up device	●
Fan guard	●
Fuel cooler	●
Maintenance free pre-cleaner	○
Radiator expansion tank	●

HYDRAULIC SYSTEM	
Auto power lift	●
Control valve with main relief valve	●
Full flow filter	●
High mesh full flow filter with restriction indicator	○
One extra port for control valve	●
Pilot filter	●
Power boost	●
Suction filter	●
Work mode selector	●

	ZX350LCH-5A
CAB	
All-weather sound suppressed steel cab	●
AM-FM radio with 2 speakers	●
Ashtray	●
Auto control air conditioner	●
AUX. terminal and storage	○
Cab (Center pillar reinforced structure)	●
Cigarette lighter 24V	●
Drink holder	●
Drink holder with hot & cool	●
Electric double horn	●
Engine shut-off switch	●
Evacuation hammer	●
Floor mat	●
Footrest	●
Front window washer	●
Front windows on upper, lower and left side can be opened	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wipers	●
Key cylinder light	●
LED room light with door courtesy	●
Lower cab front guard	●
OPG top guard Level I (ISO10262) compliant cab	●
Pilot control shut-off lever	●
Rain guard	○
Rear tray	●
Retractable seat belt	●
ROPS (ISO 12117-2) compliant cab	●
Rubber radio antenna	●
Seat : air suspension seat with heater	●
Seat : fabric seat	○
Seat : mechanical suspension seat	○
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers (Bold type)	○
Short wrist control levers (Slim type)	●
Upper cab front guard	○
4 fluid-filled elastic mounts	●
12 V power source	●

EQUIPMENT

ZX350LCH-5A

	ZX350LCH-5A
MONITOR SYSTEM	
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc	●
Alarm buzzers: overheat, engine oil pressure, overload	●
Display of meters: water temperature, hour, fuel rate, clock	●
Other displays: work mode, auto-idle, glow, rearview monitor, operating conditions, etc	●
32 languages selection	●

LIGHTS	
Additional boom light with cover	○
Additional cab roof front lights	○
Rear light	○
2 working lights	●

UPPER STRUCTURE	
Batteries 2 x 12 V	●
Counterweight 6 900 kg	○
Counter weight 7 600 kg	●
Electric fuel refilling pump	○
Fuel level float	●
Hydraulic oil level gauge	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Rear view camera	●
Rear view mirror (right & left side)	●
Swing parking brake	●
Tool box	●
Undercover 6.0 mm reinforced	●
Utility space	●

UNDERCARRIAGE	
Bolt-on sprocket	●
Full track guards	○
Reinforced idler bracket	●
Reinforced lower flange	●
Reinforced side step	●
Reinforced track links with pin seals	●
Shoe: 600 mm triple grouser	● Reinforced
Track undercover 9.0 mm reinforced	○
Travel direction mark on track frame	●
Travel motor covers	●
Travel parking brake	●
Upper and lower rollers	●
3 track guards (each side)	●
4 tie down brackets	●

	ZX350LCH-5A
FRONT ATTACHMENTS	
Arm 2.67 m	○ H-arm
Arm 3.20 m	● H-arm
Boom 6.40 m	● H-boom
Bucket 1.40 m³ reinforced (ISO heaped)	○
Bucket 1.38 m³ rock (ISO heaped)	○
Bucket 2.0 m³ (ISO heaped)	●
Casted bucket link A	●
Centralized lubrication system	●
Dirt seal on all bucket pins	●
Flanged pin	●
Reinforced link B	●
Reinforced resin thrust plate	●
WC (tungsten-carbide) thermal spraying	●

ATTACHMENTS	
Additional pump	○
Assist piping	○
Attachment basic piping	○
Breaker and crusher piping	○
Line filter	○
Parts for breaker and crusher	○
Pilot accumulator	○
2 pump combined flow for attachment basic piping	○

MISCELLANEOUS	
Electric grease gun	○
Global e-service	●
Onboard information controller	●
Skid-resistant plates and handrails	●
Standard tool kit	●
Swing motion alarm device with lumps	○
Travel motion alarm device	○



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Before using a machine with a satellite or tele-communication system, please make sure that the satellite or tele-communication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

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These specifications are subject to change without notice.

Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features.

Before using, please read and understand the Operator's Manual for proper operation.