

Hitachi Super Long Front

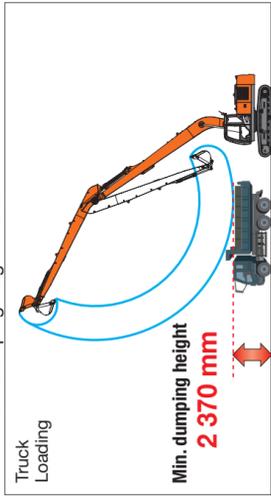
Higher, Deeper and Longer – Working for Extra Production



- Longer Reach – Wider Working Ranges**
Max. digging reach: **18 340 mm**, up from 15 340 mm*
Max. cutting height: **15 680 mm**, up from 14 110 mm*
Max. digging depth: **14 720 mm**, up from 11 630 mm*

*ZX210LC-5G TYPE H15

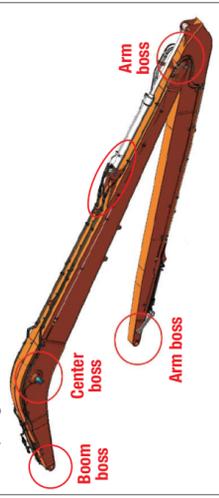
- Easier Truck Loading**
Minimum dumping height **2 370 mm**



Note: The bucket may interfere with the side of a truck body depending on the height of the side.

- Strengthened Front Structure to Boost Reliability**

*Especially high load region is taken appropriate measures.
*Adopting oversized bosses mounted on standard backhoe



SPECIFICATIONS

ZX210LC-5G TYPE H18 SUPER LONG FRONT

ENGINE

Model	Isuzu CC-6BG1T
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
Rated power	
ISO 9249, net	125 kW (168 HP) at 2 100 min ⁻¹ (rpm)
SAE J1349, net	125 kW (168 HP) at 2 100 min ⁻¹ (rpm)
Maximum torque	637 Nm (65 kgfm) at 1 800 min ⁻¹ (rpm)
Piston displacement	6,494 L
Bore and stroke	105 mm x 125 mm
Batteries	2 x 12 V / 88 Ah

HYDRAULIC SYSTEM

Hydraulic Pumps	2 variable displacement axial piston pumps
Main pumps	2 x 212 L/min
Maximum oil flow	1 gear pump
Pilot pump	33.6 L/min
Maximum oil flow	

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	26.8 MPa (273 kgf/cm ²)
Travel circuit	34.3 MPa (350 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	36.3 MPa (370 kgf/cm ²)

Hydraulic Cylinders

Quantity	Bore	Rod diameter
Boom	120 mm	85 mm
Arm	140 mm	100 mm
Bucket	100 mm	70 mm

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 13.5 min⁻¹ (rpm)
Swing torque 53 kNm (5 350 kgfm)

Operator's Cab

Independent spacious cab, 1 005 mm wide by 1 675 mm high, conforming to ISO* Standards.
* 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	49
Track guard	1

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 5.5 km/h
Low : 0 to 3.5 km/h

Maximum traction force .. 203 kN (20 700 kgf)

Gradeability 70% (35 degree) continuous

SERVICE REFILL CAPACITIES

Fuel tank	400.0 L
Engine coolant	23.0 L
Engine oil	25.0 L
Swing device	6.2 L
Travel device (each side)	6.8 L
Hydraulic system	240.0 L
Hydraulic oil tank	135.0 L

WEIGHTS AND GROUND PRESSURE

ZX210LC-5G TYPE H18 SUPER LONG FRONT
Equipped with 10.30 m boom, 7.36 m arm and 0.30 m³ bucket (ISO heaped). 6 600 kg counterweight.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	800 mm	24 200 kg	38 kPa (0.39 kgf/cm ²)

Basic Machine Weight and Overall Width

Excluding front end attachment, additional counterweight, fuel, hydraulic oil, coolant, etc. Including counterweight.

ZX210LC-5G		
Shoe width	Weight	Overall width
800 mm	19 000 kg	3 190 mm

BUCKET SPECIFICATIONS AND COMPATIBILITY

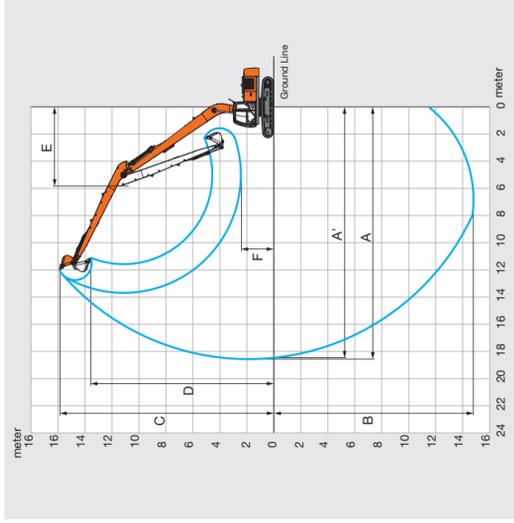
Capacity ISO heaped	Width Without side cutters	Recommendation ZX210LC-5G H18	
		Weight	
0.30 m ³	580 mm	290 kg	◇
Slope finishing	1 500 mm	290 kg	◇
Max. weight			830 kg

◇ Suitable for materials with density of 1 800 kg/m³ or less
◇ Slope-finishing service

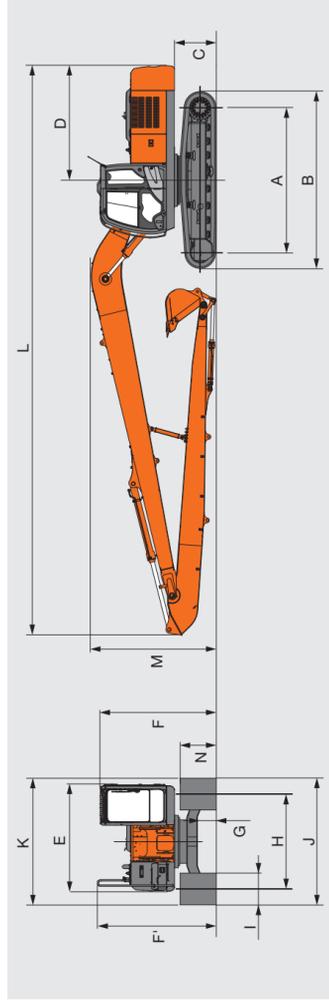
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WORKING RANGES



DIMENSIONS



	ZX210LC-5G TYPE H18
A Distance between tumbler	3 660
B Undercarriage length	4 460
C Counterweight clearance	1 030
D Rear-end swing radius	2 890
E Overall width of upperstructure	2 710
F Overall height of cab	2 950
F Overall height of upperstructure	3 010
G Min. ground clearance	450
H Track gauge	2 390
I Track shoe width	G 800
J Undercarriage width	3 190
K Overall width	3 190
L Overall length	14 350
M Overall height	3 190
N Track height with triple grouser shoes	920

* Excluding track shoe lug