

ZAXIS-5G series
Telescopic Arm 21M

HITACHI

Reliable solutions

TELESCOPIC ARM 21M

ZAXIS200LC

A P P L I C A T I O N & A T T A C H M E N T



Model Code	ZX200LC-5G
Engine Rated Power	125 kW (168 HP)
Operating Weight	27 300 kg
Digging Depth	21 m

SPECIFICATIONS

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

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow ..	2 x 212 L/min
Pilot pump	1 gear pump
Maximum oil flow ..	33.6 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	34.3 MPa (350 kgf/cm ²)
Travel circuit	34.3 MPa (350 kgf/cm ²)
Pilot circuit	3.9 MPa (40 kgf/cm ²)
Power boost	38.0 MPa (388 kgf/cm ²)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in boom and arm cylinders to absorb shock at stroke ends.

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in the suction line, and full-flow filters in the return line and swing/travel motor drain lines.

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	68 kNm (6 900 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

WEIGHTS AND GROUND PRESSURE

Equipped with type S-TC200R-8 and 0.80 m³ clamshell bucket (SAE, PCSA heaped)

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm	27 300 kg	57 kPa (0.58 kgf/cm ²)

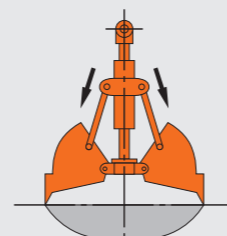
SERVICE REFILL CAPACITIES

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

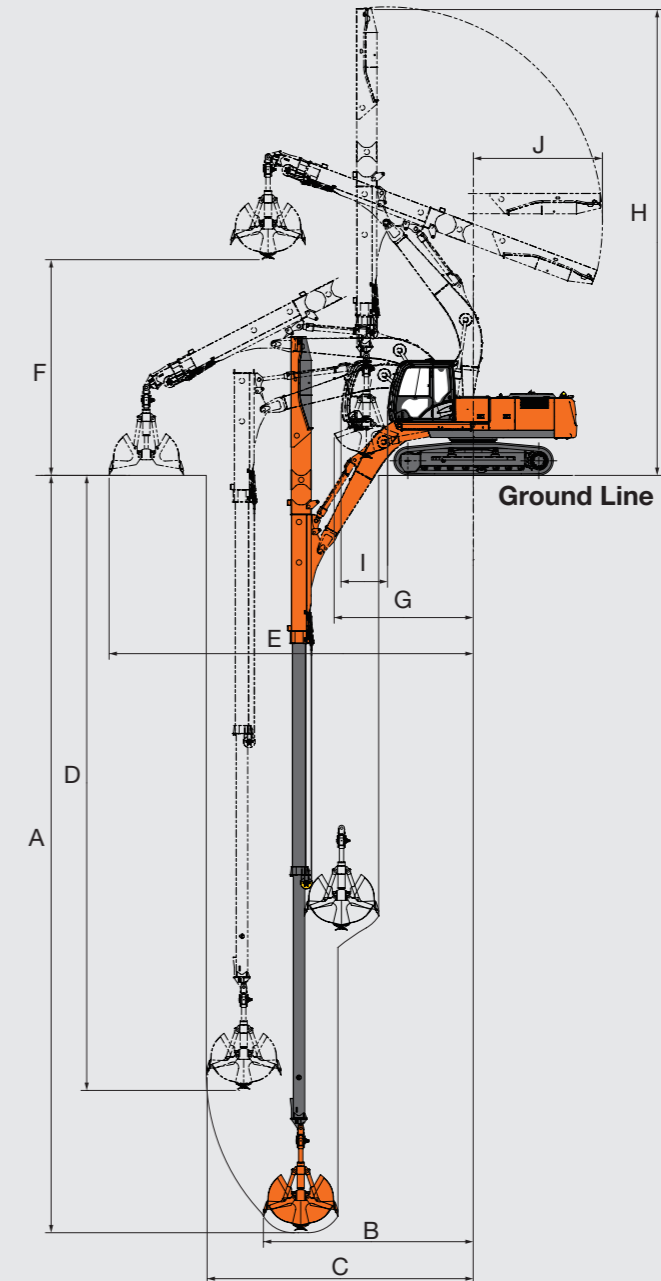
CLAMSHELL BUCKET

Bucket type	S-SP80	
Bucket capacity	m ³	0.8
Max. digging force	kN (kgf)	60.3 (6 150)
Max. height	mm	2 500
Opened max. height	mm	2 110
Closed width	mm	1 800
Opened width	mm	2 080
Bucket width	mm	910
Teeth number		7
Weight	kg	1 240

Shell push type



WORKING RANGES



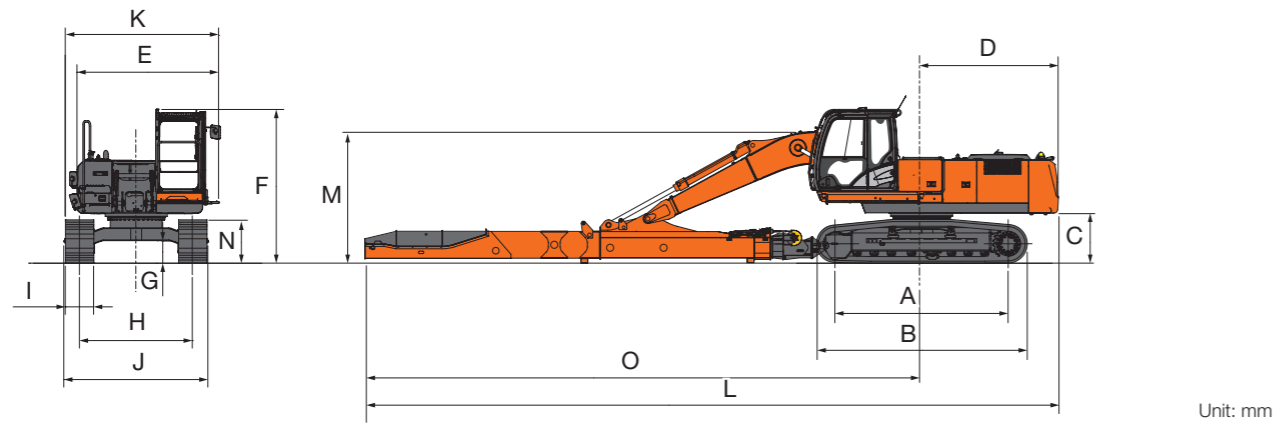
Unit: mm

Telescopic arm type		S-TC200R-8
Telescopic arm system		Hydraulic cylinder + wire rope
A	Max. vertical digging depth	21 150
B	Radius at max. vertical digging depth	5 860
C	Max. vertical digging radius	7 450
D	Depth at max. vertical digging radius	17 140
E	Max. working radius	10 170
F	Max. dumping height	6 050
G	Min. front swing radius	3 880
H	Height at min. front swing radius	13 040
I	Cab sliding distance	1 300
J	Front rear radius	3 610

Excluding track shoe lug

SPECIFICATIONS

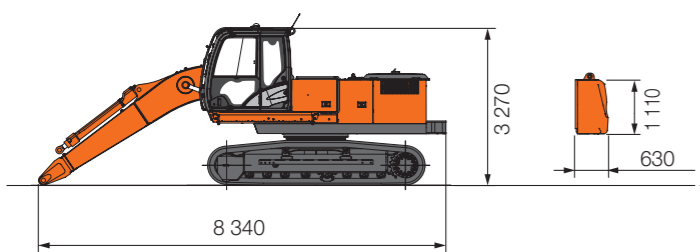
DIMENSIONS



Dimension	Value
A Distance between tumblers	3 660
B Undercarriage length	4 470
*C Counterweight clearance	980
D Rear-end swing radius	2 890
E Overall width of upperstructure	3 000
F Overall height of cab	3 260
*G Min. ground clearance	450
H Track gauge	2 390
I Track shoe width	G 600
J Undercarriage width (inc. side step)	2 990 (3 050)
K Overall width	3 250
L Overall length	14 650
M Overall height of boom	2 770
N Track height with triple grouser shoes	920
O Swing centre to front distance	11 760

* Excluding track shoe lug G: Triple grouser shoe

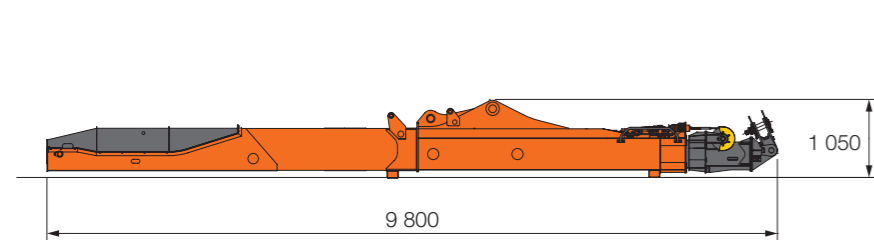
TRANSPORTATION



Width : 2 670 mm
Weight (with Sliding cab) : 20 400 kg

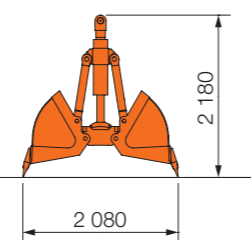
Counterweight
Width : 2 670 mm
Weight : 6 900 kg

Telescopic Arm



Width: 680 mm Weight: 3 330 kg

Clamshell Bucket



Width: 940 mm Weight: 1 240 kg

EQUIPMENT

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

● : Standard equipment ○ : Optional equipment

ENGINE

Air cleaner double filters	●
Auto idle system	●
Cartridge-type engine oil filter	●
Cartridge-type fuel pre-filter	●
Cartridge-type fuel main filter	●
Dry-type air filter with evacuator valve (with air filter restriction indicator)	●
ECO/PWR mode control	●
Engine warm-up device	●
Fan guard	●
Water separator	●
Pre-cleaner	○
Dust-Proof indoor net	●
Radiator reserve tank	●
50 A alternator	●

HYDRAULIC SYSTEM

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

CAB

All-weather sound suppressed steel cab	●
AM-FM radio with 2 speaker	●
Ashtray	●
Auto control air conditioner	●
AUX. terminal and storage	○
Cab front guard for sliding cab	●
Drink holder	●
Drink holder with hot & cool	●
Electric double horn	●
Engine shut-off lever	●
Evacuation hammer	●
Fire extinguisher bracket	○
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	●
OPG top guard Level I (ISO10262) compliant cab	●
Pilot control shut-off lever	●
Rear tray	●
Retractable seat belt	●
Rubber radio antenna	●
Seat : Fabric seat	●
Seat : mechanical suspension seat	○
Seat : air suspension seat with heater	○
Seat adjustment part : backrest, armrest, height and angle, slide forward / back	●
Short wrist control levers	●
Sliding cab	●
4 fluid-filled elastic mounts	●
24V cigarette lighter	●

MONITOR SYSTEM

Alarm buzzers: overheat, engine oil pressure, overload	●
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc	●
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 cab roof front lights	○
Additional boom light with cover	○
2 working lights	●

UPPER STRUCTURE

Additional 2 LED lights on sliding cab	○
Electric fuel refilling pump	○
Fuel level float	●
Hydraulic oil level gauge	●
Rear view camera	○
Rear view mirror (right & left side)	●
Swing parking brake	●
Tool box	●
Undercover	●
Utility space	●
6 900 kg Counterweight	●
2 x 88 Ah batteries	●

UNDERCARRIAGE

Bolt-on sprocket	●
Reinforced track links with pin seals	●
Step for sliding cab	●
Travel motor covers	●
Travel parking brake	●
9.0 mm reinforced track undercover	○
Track guard (each side) and hydraulic track adjuster	●
Upper and lower rollers	●
2 track guards	○
4 tie down hooks	●
600 mm triple grouser shoes	●

FRONT ATTACHMENTS

Clamshell bucket (0.8 m ³)	●
Telescopic arm (21m)	●
5.68 m boom	●

ATTACHMENTS

High mesh full flow filter with restriction indicator	○
Line filter	○
Telescopic arm piping	●

MISCELLANEOUS

Abnormal rope alarm	●
Motion alarm	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Onboard information controller	●
Skid-resistant tapes, plates and handrails	●
Standard tool kit	●
Travel direction mark on track frame	●
Global e-Service	●
Zoom camera	○



Built on the foundation of superb technological capabilities, Hitachi Construction Machinery is committed to providing leading-edge solutions and services to contribute as a reliable partner to the business of customers worldwide.

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

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 use, read and understand the Operator's Manual for proper operation.