HITACHI

LX190 LX230

WHEELLOADER







Clear view from cab front
A pillar-less design gives an unobstructed view of the front.



Easy-to-monitor instrument panel



Deluxe suspension seatThe comfortable cloth-covered seat offers both suspension and reclining adjustment.



ROPS/FOPS*cab

This rigid cab is ready
"just in case" to help protect the operator from falling objects or during a
rollover. The rear-hinged
door makes entry and exit
easy.

*ROPS: Rollover Protective Structure. Conforms to ISO3471, 1994

*FOPS: Falling-Object
Protective Structure.
Conforms to ISO3449,
1992 Level II



Electronically operated parking brake

A simple press of a button sets and releases the parking brake.

Independent front and rear service brakes

Separate brake lines for the front and rear wheels means that one will be available for braking in the unlikely event that the other fails.



Front control lever lock

Locks the controls to prevent unintentional operation when getting in and out of the cab.



Shift lever lock

Can be easily set to prevent accidental operation of the shift lever.



Fully enclosed engine fan guard

A guard completely encloses the engine fan.

Front arm can be lowered with engine stopped

An accumulator in the hydraulic system for the front arm allows it to be lowered even if the engine has been stopped.



Switches are easy to view and reach



Clutch cut-off switch

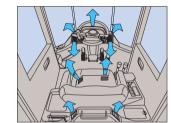
Left brake pedal can be switched between work mode for loader operations and travel mode for traveling.

2 Transmission selection switch

Operator can select automatic or manual transmission operation.

3-mode switch

Automatic transmission provides selection among three power modes: (L) gives priority to traveling: (M) is an intermediate range: (H) is for loading operations.



deal Match for Comfort & Safety

For boosting productivity and operator protection.

External air induction air conditioning (Automobile type)

This powerful air conditioning can be switched between re-circulating air inside the cab or drawing it in from outside.



Front 1 and rear 2 defrosters reduce fogging for clear visibility

AM/FM radio with automatic station selection

The operator can easily select the desired station using the touch-type LCD panel.



Sun visor reduces glare





Centralized greasing system

This system makes it easy to grease hard-to-reach areas, such as the bottom pin of the bucket cylinder, helping to promote crucial regular main-

fast battery maintenance or replacement.



Easy-to-check fluid level gauge

This gauge allows the level of the hydraulic and transmission fluids to be checked from ground level with just a



Locks have been added to crucial areas to help ward off unauthorized access or vandalism. The fuel cap and side covers can be locked



with the engine key. The following areas can be locked.

Large side cover with damper

Hvdraulic fluid cap

3 Transmission fluid cap Battery box

Side cover



Wide Range of Attachments

Buckets





with bolt on teeth A good choice for relatively dense material, such as dense dirt, gravel or dirt with clumps and rocks.

Standard general purpose bucket with bolt on cutting edges

Best for stock piling loose dirt and rock

Note: Refer to Specification Catalog for details.



Rock bucket with bolt on teeth This is the bucket for scoop-

ing up blasted rock or gravel.



Rock bucket with bolt on teeth & segments

Used for handling blasted rock, sand, dirt and other quarried

Tires

Tread patterns





Rock tire designs and applications

Nylon breaker Perfect for hard surfaces and standard road

Steel breaker

This is the tire for use where the stones have sharp edges

Side steel breaker

The choice for harsh conditions where stones have sharp edges.

Attachments & Options



Lumber forks* (LX190-7)

Helps handle square beams, lumber or other such material. Fork width can be manually adjusted to the width of the load

High-lift arm

This extended arm gives higher dumping



Log grapple

This dedicated attachment allows the loader to handle logs and other round materials.



Lumber grapple

Forks pick up the square material and the upper arm comes down to hold the load in place during transport.



Quick coupler (Hydraulic type)* (LX190-7) (For quick attachment changing)

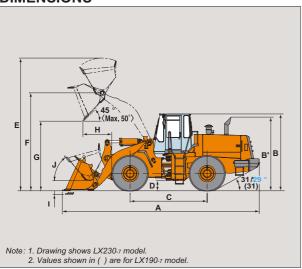
Allows attachments to be mounted or removed by controls in the cab.

★: Special option on LX230-7

Note: This photo shows the model with the inspection covers open Always close these inspection covers before operation.



DIMENSIONS Unit: mm



	LX190-7	LX230-7		
		26.5 tires	23.5 tires	
A Overall length	8 510	8 650	8 700	
B Height to top of cab	3 410	3 470	3 410	
B' Height to top of exhaust	3 250	3 310	3 250	
Width over tires	2 930	2 980	2 930	
C Wheelbase	3 400	3 400		
D Ground clearance	460	520	460	
Tread width	2 300	2 300		
Bucket width	3 050	3 150		
Turning radius (centerline of outside tire)	5 820	5 820		
Loader clearance circle, bucket in carry position	6 800	6 890		
E Overall operating height	5 640	5925	5865	
F Height to hinge pin, fully raised	4 180	4 385	4 325	
G Dumping clearance 45 degree, full height	2 985	3 135	3 075	
H Reach, 45 degree dump, full height	1 135	1 275	1 210	
Reach, 45 degree dump, 7ft (2.13 m) clearance	1 765	1 900	1 935	
Digging depth (horizontal digging angle)	100	100	160	
J Max. roll back at carry position	50 deg.	50 deg.	50 deg.	

Note: General purpose bucket with bolt on cutting edges. Numerals in blue indicate size with optional tires.

SPECIFICATIONS

	CATIONS			LX230-7	
			LX190-7	26.5 tires	23.5 tires
Bucket capacity (ISO heaped) with bolt on cutting edges m³		3.5	4.0		
Operating weight kg		19 770	21 770 21 310		
Hydraulic	Lift arm Raise/Lower	s	6.2 / 3.3	6.4 / 3.6	
cycle times	Bucket dump	s	1.4	1.5	
Max. travel speed Forward/Reverse km / h		34.5 / 37.0	34.5 / 36.5	32.5 / 35.0	
Transmission		4-speeds (F/R) full powershift transmission	4-speeds (F/R) full powershift transmission		
Breakout force kN (kgf)		166 (16 900)	198 (20 200)		
Engine	Туре		Mitsubishi 6D24TL	Mitsubishi 6D24TL	
	Rated power (DIN 6271,net)	kW / min-1 (PS / rpm)	165 / 2 100 (225 / 2 100)	198 / 2 100 (270 / 2 100)	
	Rated power (SAE J1349,net)	kW / min-1 (HP / rpm)	165 / 2 100 (222 /2 100)	198 / 2 100 (266 / 2 100)	
	Piston displacement	L	11.945	11.945	
Service brake			Wet disc type	Wet disc type	
Parking brake		Wet disc type Wet disc type		sc type	
Tire size		23.5-25-16PR (L3)	26.5-25-20PR (L3)	23.5-25-20PR (L3)	
Fuel tank capacity L		370	370		

Note: Specifications are based on machine with all standard equipment.

Standard Equipment

- ■ROPS/FOPS cab

- Rear windshield wiper (with washer)
 Sun visor
 AM/FM stereo radio
 Cab interior light linked to door
 Front control lever lock
 Transmission shift lever lock
 Hot-and-cool box: LX230-7
 Safety glas
- Lunch box tray Cup holder Rear defroster Front-side defroster

Features

- Electronically controlled automatic transmission
- Front/rear torque proportioning differential
 Downshift switch (DSS)
 Upshift switch (USS)

- Two-function hydraulic valve with two levers

Others

- ■3.5 m³ general purpose bucket with bolt on cutting edges: LX190-7
- ■3.3m general purpose bucket with bolt on cutting edges: LX230.7
 ■4.0m³ general purpose bucket with bolt on cutting edges: LX230.7
 ■Parking break with electric switch
 ■Pre-air cleaner: LX230-7
 ■Reverse warning alarm
 ■23.5-25-16PR (L3) tires: LX190-7
 ■26.5-25-20PR (L3) tires: LX230-7

Note: Standard equipment may vary depending on countries so please consult your Hitachi dealer for details.

Optional Equipment

LX190-7

- 3.3 m³ general purpose bucket with bolt on teeth
- 3.5 m³ general purpose bucket with bolt on teeth & segments
- 2.9 m³ rock bucket with bolt on teeth

- 3.0 m³ rock bucket with bolt on teeth & segments

 Lumber forks Log grapple Lumber grapple High-lift arm

 Quick coupler: Hyd. type Air conditioning Ride control system

LX230-7

- 3.8 m³ general purpose bucket with bolt on teeth
- •4.0 m³ general purpose bucket with bolt on teeth & segments
- 3.3 m³ rock bucket with bolt on teeth
- 3.4 m³ rock bucket with bolt on teeth & segments
- Lumber forks (Special option) Log grapple Lumber grapple
 High-lift arm Quick coupler: Hyd. type Air conditioning
- Air conditioning
- Ride control system

Note: Optional equipment may vary depending on countries, so please consult your Hitachi dealer for details.

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, go through Operator's Manual for proper operation.

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