

LX300

HITACHI

# LX300

W H E E L L O A D E R

Engine Rated Power : 243 kW (330 PS)

Operating Weight : 29 700 kg

Bucket Capacity : 4.2 m<sup>3</sup>— 5.0 m<sup>3</sup>



The choice for increasing productivity

# Ideal Match

Hitachi has created the ideal performance match to increase productivity. It is called the BMC Matching Control Concept.

Engine power **243 kW**  
(330 PS)

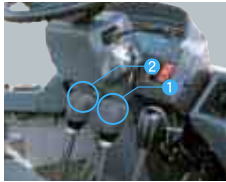
Bucket capacity **5.0 m<sup>3</sup>**

Breakout force **237 kN**  
(24 200 kgf)



#### Finger-tip operated shift lever

The operator can drive with ease needing only a light touch to change travel direction or gear range.



#### Downshift switch (DSS) ① Upshift switch (USS) ②

Allows the operator to change gears without using the shift lever. Each press of the downshift switch or upshift switch changes the gear up or down while the operator keeps his hand on the arm and bucket control lever.

#### Powerful, clean-operating engine

Clean-operating and powerful engine complies with Emission Regulation U.S. EPA Tier 2.



#### Cartridge type Engine oil filter

Cartridge type filter ensures quick and easy replacement without any mess.

#### Return-to-carry control

The stop position of the bucket can be optionally set. This helps prevent shock and damage while providing more efficient operation.

#### Restriction valve

Reduces the shock incurred when stopping the boom, helping to provide smooth operation.



Notes : Photos in this catalog may include optional equipment.  
The machine above is fitted with specially manufactured tires that are not optionally available.



### Clear view from cab front

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



### Deluxe suspension seat

The cloth-covered seat offers both comfort and suspension.



### Easy-to-monitor instrument panel



### Outer 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.

### Lift arm can be lowered with engine stopped

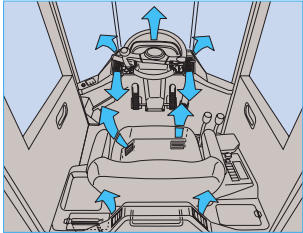
An accumulator in the hydraulic system for the lift arm allows it to be lowered even if the engine has been stopped.

# Deal Match for Comfort & Safety

For boosting productivity and operator protection.

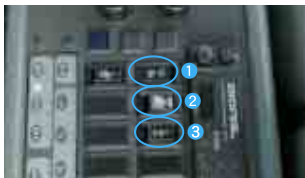


### Switches are easy to view and reach



### 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.



### 1 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 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.



### Front 1 and rear 2 defrosters reduce fogging for clear visibility

### AM/FM stereo radio with automatic station selection

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



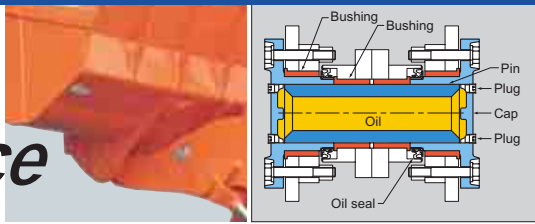
### Sun visor reduces glare



Note: Optional equipment is included in this photo.

# Easy Maintenance

For more care from less effort



## Lubricant-sealed pins

Lubricant-sealed pins are equipped at the attachment as standard. There is no need for greasing. Replacement interval of lubrication is 2 000 hours.

## Restricted access

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.



- ① Fuel cap
  - ② Hydraulic fluid cap
  - ③ Transmission fluid cap
  - ④ Battery box
  - ⑤ Side cover
  - ⑥ Cab door
- Maintenance covers



## 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 glance.



## Wide steps

These large steps make entry and exit easy.



## Radiator & intercooler

Access space between radiator and intercooler makes cleaning easy.



## Large side cover with damper

The large side cover opens to provide easy access. Items requiring daily maintenance have been centrally located on the left side.

## Wide-opening battery cover

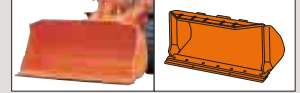
Swings out of the way for fast battery maintenance or replacement.



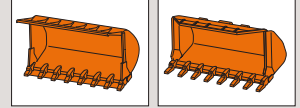
## Swing-open rear grill

Facilitates easy radiator cleaning.

## Buckets



**Standard general purpose bucket with bolt on cutting edges**  
Best for stock piling loose dirt and rock.



**Rock bucket with bolt on teeth and segments**  
Used for handling blasted rock, sand, dirt and other quarried materials.

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

Note: Refer to Specification Catalog for details.

## Tires

### Tread patterns



- L3:** Standard groove depth.
- L4:** Grooves are 1.5 times deeper than L3.
- L5:** Grooves are 2.5 times deeper than L3.

### Rock tire designs and applications

- **Nylon breaker**  
Perfect for hard surfaces and standard road applications.
- **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



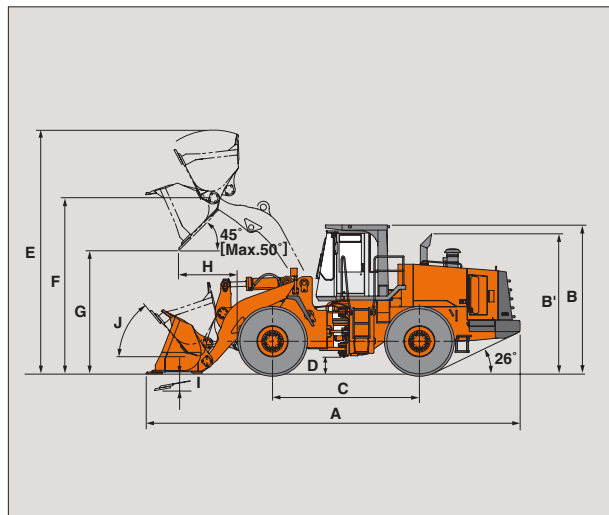
**Log grapple**  
This dedicated attachment allows the loader to handle logs and other round materials.

**High-lift arm**  
This extended arm gives higher dumping clearance.

Note: This photo shows the model with the inspection covers open. Always close these inspection covers before operation. Side cover dampers optionally available.

## DIMENSIONS

Unit : mm



	LX300-7A
A Overall length	9 430
B Height to top of cab	3 570
B' Height to top of exhaust	3 530
Width over tires	3 180
C Wheelbase	3 700
D Ground clearance	425
Tread width	2 460
Bucket width	3 480
Turning radius (centerline of outside tire)	6 780
Loader clearance circle, bucket in carry position	7 910
E Overall operating height	6 145
F Height to hinge pin, fully raised	4 430
G Dumping clearance 45 degree, full height	3 130
H Reach, 45 degree dump, full height	1 480
Reach, 45 degree dump, 7ft (2.13m) clearance	2 085
I Digging depth (horizontal digging angle)	160
J Max. roll back at carry position	50 deg.

Note : General purpose bucket with bolt on cutting edges.

## SPECIFICATIONS

		LX300-7A
Bucket capacity (ISO heaped) with bolt on cutting edges	m <sup>3</sup>	5.0
Operating weight	kg	29 700
Hydraulic cycle times	Lift arm Raise/Lower	6.8 / 3.5
	Bucket dump	1.7
Max. travel speed	Forward/Reverse	33.5 / 34.5
Transmission		4-speed (F/R) full powershift transmission
Breakout force	kN (kgf)	237 (24 200)
Engine	Type	ISUZU CC-6WG2X
	Rated power (DIN 6271,net)	243 (330 / 1 800)
	Rated power (SAE J1349,net)	243 (326 / 1 800)
	Piston displacement	L
		15.681
Service brake		Wet disc type
Parking brake		Disc type
Tire size		26.5-25-24PR (L3)
Fuel tank capacity	L	450

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

### Standard Equipment

#### Cab

- Outer ROPS\*/FOPS\*\* cab ● Air conditioning
- Seat with mechanical suspension and cloth covered (with seat belt)
- Tilt steering column ● Intermittent front windshield wiper (with washer)
- Rear windshield wiper (with washer) ● Sun visor ● AM/FM stereo radio
- Cab interior light linked to door ● Floor mat ● Front control lever lock
- Transmission shift lever lock ● Hot-and-cool box ● Rear view mirror
- Rear defroster ● Front-side defroster

#### Features

- Electronically controlled automatic transmission ● Downshift switch (DSS)
- Upshift switch (USS) ● Clutch cut-off switch ● Return-to-carry control
- Arm height kickout ● Automatic bucket return-to-dig control
- Two-function hydraulic valve with two levers ● Front floating pin

#### Others

- 5.0m<sup>3</sup> general purpose bucket with bolt on cutting edges ● Reverse warning alarm
- Parking brake with electric switch ● Pre-air cleaner ● 26.5-25-24PR (L3) tires

\* ROPS (Roll Over Protective Structure) Conforms to ISO 3471;1994

\*\* FOPS (Falling Objects Proctive Structure) Conforms to ISO 3449;1992 Level II

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

### Optional Equipment

- 4.4 m<sup>3</sup> rock bucket with teeth and segment edges
- 4.7 m<sup>3</sup> bucket with teeth
- 5.0 m<sup>3</sup> bucket with teeth and bolt on segment edges
- Log grapple ● 29.5-25-22PR (L3) tires

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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