

LX15/20/30/40

HITACHI

LX15 LX20 LX30 LX40

W H E E L L O A D E R

LX15/LX20

Engine Rated Power : 16.2 kW (22 PS)/21.3 kW (29PS)

Operating Weight : Canopy 1 915 kg (4 220 lb), Cab 2 090 kg (4 610 lb)/

: Canopy 2 645 kg (5 830 lb), Cab 2 820 kg (6 220 lb)

Bucket Capacity : 0.3 m³ (0.4 yd³) — 0.4 m³ (0.5 yd³)/

0.4 m³ (0.5 yd³) — 0.5 m³ (0.7 yd³)

LX30/LX40

Engine Rated Power : 27.2 kW (37 PS)/27.2 kW (37 PS)

Operating Weight : Canopy 3 265 kg (7 200 lb), Cab 3 440 kg (7 590 lb)/

: Canopy 3 440 kg (7 590 lb), Cab 3 740 kg (8 250 lb)

Bucket Capacity : 0.5 m³ (0.7 yd³) — 0.6 m³ (0.8 yd³)/

0.6 m³ (0.8 yd³) — 0.7 m³ (0.9 yd³)



Small Body. Big Performance.

The LX has power for tough job sites. The design has the operator comfort in mind. It is equipped with the new 2-mode HST system to boost productivity. This new model also offers enhanced safety features and ease of maintenance. It is environment friendly.



Clean-Operating Engine

Engine is ready to meet tough emission standards.

Low-Noise Operation

Designed for low-noise operation.



LX15-7

LX20-7

LX30-7

LX40-7

Notes: Some of the photos used in this catalog contain action scenes for demonstration purposes. Under actual conditions, never leave a front-mounted attachment in the raised position. Always observe safety precautions when operating this equipment.
: Photos in this catalog may include optional equipment.
: They may also include custom-made options to meet specific user needs.

LX15
Breakout force
20 600N
(2 100 kgf)

LX20
27 500N
(2 800 kgf)

Traction force
17 200N
(1 750 kgf)

27 000N
(2 750 kgf)

LX30
Breakout force
35 800N
(3 580 kgf)

LX40
33 350N
(3 400 kgf)

Traction force
33 350N
(3 400 kgf)

Small yet Powerful. Small yet Comfortable.

Productivity & Operability

Excellent traction and breakout force

Top class traction and breakout force means excellent scooping and piling performance.

New 2-mode HST system boosts productivity

This system offers a Full-Auto Mode for snow removal and other load and carry operations and a Half-Mode for scooping and loading operations that require more power. Simply press a switch to change modes. Almost like driving



Shift Switch

AUTO

Full Auto Mode

- Snow removal
- Load & carry operations
- Back-filling operations

LOW

Half Mode

- Heavy load handling
- Scooping & piling operations

Optional speed control system (SCS) sets speed to match the job

Allows operator to increase engine speed to maximum level when using powered attachments, such as rotary sweeper or rotary snow removal equipment. Simply set the dial to the speed desired. If the HST control pressure is used, stepless speed control is possible all the way to maximum speed.



Comfort-adding features

- Walk-through compartment
- Good visibility with the carved windshield (Steel cab)



- Front & rear wipers
- Illuminated instrument panel
- Rounded front glass for good visibility (Cab-equipped models)



Defroster

Ride control system (Option)

This system reduces pitching for riding comfort when traveling on rough or snow road.



LX15-7
With steel cab



LX20-7
With steel cab

Safety

Safe braking

A sealed internal wet-disc brake system is used to provide sure braking, even on wet and muddy surfaces. This type of brake system also has low wear, so there is less maintenance.



Layout of brake pedals

Electric parking brake switch helps prevent travel with parking brake on

The parking brake is engaged automatically when the engine is turned off. The electric parking brake switch helps prevent travel with parking brake on.



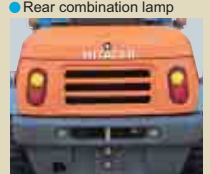
Handle on mirror bracket

The handle on the mirror bracket and wide step team up to provide easy entry and exit.



Additional safety features

- Front control lever lock
- Rear combination lamp
- Dust resistant battery (Explosion-proof plug)
- Shift lever lock



Steering cylinder negative pressure prevention system (LX20, LX30, LX40)

A check valve in the steering system prevents unstable movement when turning sharply with a loaded bucket.

The Considerate New LX

Maintenance



LX40.7



LX30.7
With ROPS/FOPS canopy

Fully opening hood assists maintenance

The engine compartment can be easily opened and closed on both canopy and cab-equipped models. Plenty of access for efficient inspections and maintenance.



HN bushing extends greasing interval (Front section)

The bushing helps reduce wear so there is less chance of rattling.

**2.5 × Longer
Between Greasing**

100Hours → 250Hours
(LX-3 Model)

* Photo shows lubricant for demonstration purposes.



Solenoid fuel feed pump

Equipped with an automatic air bleeder system. Simple turn the starter switch on to operate. Air is removed when the fuel is cut off. This also helps for easier restarting.

Wide Range of Attachments

Agricultural

Agriculture bucket (For all models)

The higher capacity of this wide bucket makes it suitable for handling feed, fertilizer or cleaning livestock pens.

Sliding radiator fan net and induction type fan (For all models)

The radiator net is designed to reduce the amount of airborne fibers and other materials from contacting and clogging the radiator. It slides off for easy cleaning. An induction type radiator fan is also available as an option.



Bale dumper (Roll clamp) (For LX20, LX30, LX40)

Grabs and handles cut hay rolls. Designed to reduce damage to vinyl wrapping.

Manure fork (For all models)

Designed for scooping up hay or straw in tight areas for transport.

Snow Removal

Angled plow (For all models)

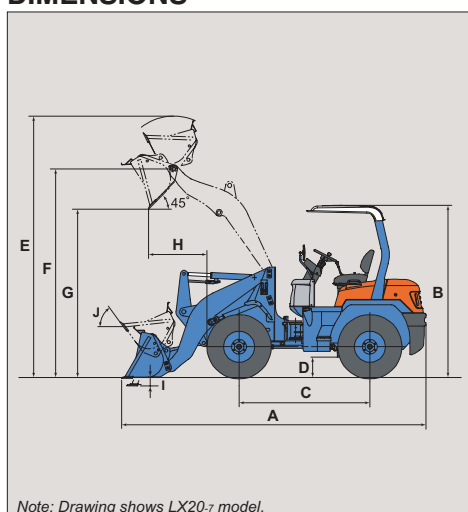
Makes fast work of plowing snow to the side of the road.



LX15 LX20 LX30 LX40

DIMENSIONS

Unit : mm(ft in)



Note: Drawing shows LX20-7 model.

	LX15-7	LX20-7	LX30-7	LX40-7
A Overall length	3 440 (11' 3")	4 140 (13' 7")	4 425 (14' 6")	4 695 (15' 5")
B Height to top of canopy/cab	2 350 (7' 9")/ 2 395 (7' 10")	2 415 (7' 11")/ 2 460 (8' 1")	2 495 (8' 2")/ 2 540 (8' 4")	2 495 (8' 2")/ 2 540 (8' 4")
Width over tires	1 335 (4' 5")	1 505 (4' 11")	1 655 (5' 5")	1 655 (5' 5")
C Wheelbase	1 500 (4' 11")	1 780 (5' 10")	1 900 (6' 3")	1 900 (6' 3")
D Ground clearance	215 (8")	255 (10")	295 (6' 0")	295 (6' 0")
Tread	1 065 (3' 6")	1 180 (3' 10")	1 260 (4' 2")	1 260 (4' 2")
Bucket width	1 350 (4' 5")	1 570 (5' 2")	1 690 (5' 7")	1 690 (5' 7")
Turning radius (centerline of outside tire)	2 545 (8' 4")	3 040 (10' 0")	3 220 (10' 7")	3 220 (10' 7")
Turning radius (bucket outside)	2 970 (9' 9")	3 600 (11' 10")	3 845 (12' 7")	3 920 (12' 10")
E Overall operating height	3 005 (9' 10")	3 420 (11' 3")	3 795 (12' 5")	3 975 (13' 1")
F Height to hinge pin, fully raised	2 335 (7' 8")	2 685 (8' 10")	3 030 (9' 11")	3 140 (10' 4")
G Dump clearance 45 degree, full height	1 850 (6' 1")	2 155 (7' 1")	2 455 (8' 1")	2 500 (8' 2")
H Reach, 45 degree dump, full height	570 (1' 10")	815 (2' 8")	845 (2' 9")	915 (3' 0")
Reach, 45 degree dump, 7ft (2.13m) clearance	—	830 (2' 9")	1 025 (3' 4")	1 135 (3' 9")
I Digging depth (horizontal digging angle)	55 (2")	40 (2")	50 (2")	55 (2")
J Max. roll back at carry position	51 deg.	53 deg.	54 deg.	54 deg.

Note: General purpose bucket with bolt on cutting edges.

SPECIFICATIONS

		LX15-7	LX20-7	LX30-7	LX40-7	
Bucket capacity (ISO heaped) with bolt on cutting edges	m ³ (yd ³)	0.3 (0.4)	0.4 (0.5)	0.5 (0.7)	0.6 (0.8)	
Operating weight	Canopy/Cab kg (lb)	1 915 (4 220) / 2 090 (4 610)	2 645 (5 830) / 2 820 (6 220)	3 265 (7 200) / 3 440 (7 590)	3 565 (7 860) / 3 740 (8 250)	
Hydraulic cycle times	Lift arm Raise/Lower	s	4.6 / 3.2	5.0 / 3.2	5.0 / 3.2	
	Bucket dump	s	1.0	1.0	1.2	
Max. travel speed	Forward/Reverse	km/h (mph)	15.0 (9.3) / 15.0 (9.3)	15.0 (9.3) / 15.0 (9.3)	15.0 (9.3) / 15.0 (9.3)	
Transmission		2-speed (F/R) HST	2-speed (F/R) HST	2-speed (F/R) HST	2-speed (F/R) HST	
Breakout force		kN (kgf, lbf)	20.6 (2 100, 4 630)	27.5 (2 800, 6 180)	35.8 (3 650, 8 050)	
Engine	Type		Kubota D1105-DI-K2A	Kubota D1503-DI-K2A	Kubota D1503-DI-T-K2A	
	Rated power (DIN 6271, net)	kW/min ⁻¹ (PS/rpm)	16.2 / 2 500 (22 / 2 500)	21.3 / 2 400 (29 / 2 400)	27.2 / 2 500 (37 / 2 500)	27.2 / 2 500 (37 / 2 500)
	Rated power (SAE J1349, net)	kW/min ⁻¹ (hp/rpm)	16.2 / 2 500 (21 / 2 500)	21.3 / 2 400 (28 / 2 400)	27.2 / 2 500 (36 / 2 500)	27.2 / 2 500 (36 / 2 500)
	Piston displacement	L (in ³)	1.123 (68.5)	1.499 (91.5)	1.499 (91.5)	1.499 (91.5)
Service brake		Wet disc type	Wet disc type	Wet disc type	Wet disc type	
Parking brake		Wet disc type	Wet disc type	Wet disc type	Wet disc type	
Tire size		10-16.5-4PR (L2)	12.5 / 70-16-6PR (L2)	15.5 / 60-18-8PR (L2)	15.5 / 60-18-8PR (L2)	
Fuel tank capacity	L (US gal, Imp gal)	33 (8.7, 7.3)	50 (13.2, 11.0)	50 (13.2, 11.0)	50 (13.2, 11.0)	

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

Standard Equipment

Cab

- Canopy (2-pillar) ● Front control lever lock
- Transmission shift lever lock ● Rear view mirror

Features

- HST (Hydrostatic transmission) ● Return to dig control for bucket
- Power steering ● Parking brake (negative)

Others

LX15-7/LX20-7

- 0.3 m³ (0.4 yd³): ISO heaped) general purpose bucket with bolt on cutting edges : LX15-7
- 0.4 m³ (0.5 yd³): ISO heaped) general purpose bucket with bolt on cutting edges : LX20-7
- Two-function hydraulic valve with one lever ● Backup alarm
- 10-16.5-4PR (L2) tires : LX15-7 ● 12.5/70-16-6PR (L2) tires : LX20-7

LX30-7/LX40-7

- 0.5 m³ (0.7 yd³): ISO heaped) general purpose bucket with bolt on cutting edges : LX30-7
- 0.6 m³ (0.8 yd³): ISO heaped) general purpose bucket with bolt on cutting edges : LX40-7
- Two-function hydraulic valve with one lever ● Backup alarm
- 15.5/60-18-8PR (L2) tires

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

Optional Equipment

LX15-7/LX20-7

- 0.4 m³ (0.5 yd³): ISO heaped) light material handling bucket: LX15-7
- 0.5 m³ (0.7 yd³): ISO heaped) light material handling bucket: LX20-7
- Steel cab ● ROPS^{*1}/FOPS^{*2} canopy (2-pillar) ● ROPS^{*1}/FOPS^{*2} cab: LX20-7
- Heater (for cab) ● Air conditioning (for cab): LX20-7 ● Canopy with front windshield
- Ride control system^{*3}

LX30-7/LX40-7

- 0.6 m³ (0.8 yd³): ISO heaped) light material handling bucket: LX30-7
- 0.7 m³ (0.9 yd³): ISO heaped) light material handling bucket: LX40-7
- Steel cab ● ROPS^{*1}/FOPS^{*2} canopy (2-pillar) ● ROPS^{*1}/FOPS^{*2} cab
- Heater (for cab) ● Canopy with front windshield ● Ride control system^{*3}

*1 Rollover Protective Structure *2 Falling Object Protective Structure
*3 Contact your HITACHI dealer for further information

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.

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