

S P E C I F I C A T I O N S

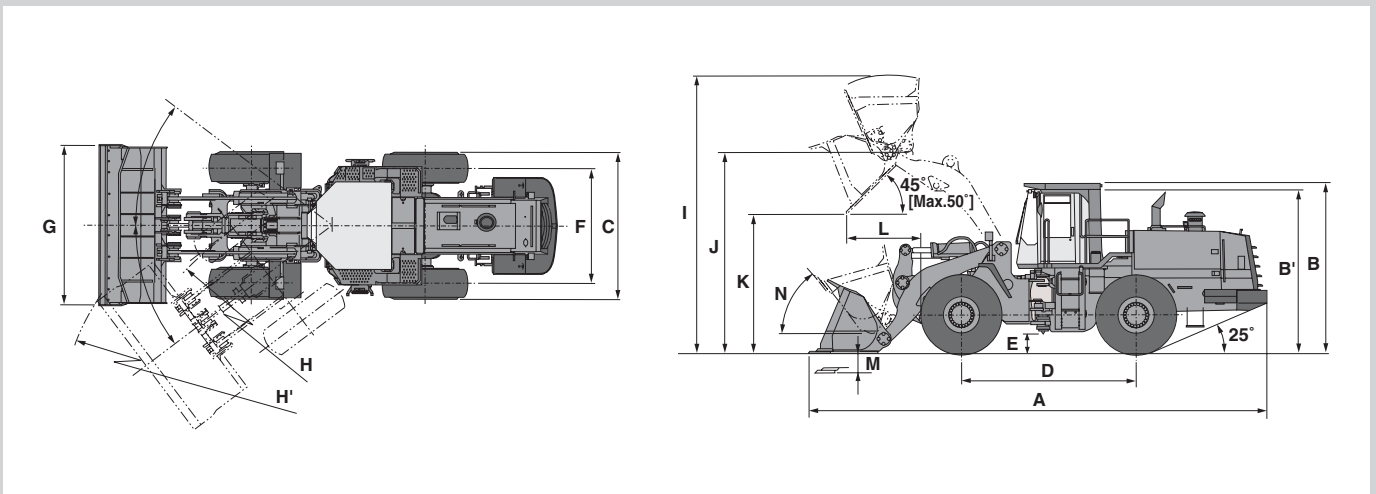
LX300

HITACHI

LX300

W H E E L L O A D E R

- Engine Rated Power : 235 kW (320 PS)
- Operating Weight : 30 000kg (66 140 lb)
- Bucket Capacity : 4.4 m³ (5.8 yd³) – 5.0 m³ (6.5 yd³)



Unit : mm (ft in)

	LX300-7
A Overall length	9 430 (30'11")
B Height to top of cab	3 750 (12'4")
B' Height to top of exhaust	3 570 (11'9")
C Width over tires	3 180 (10'5")
D Wheel base	3 600 (11'10")
E Ground clearance	445 (1'6")
F Tread	2 460 (8'1")
G Bucket width	3 480 (11'5")
H Turning radius (centerline of outside tire)	6 650 (21'10")
H' Loader clearance circle, bucket in carry position	7 750 (25'5")
I Overall operating height	6 145 (20'2")
J Height to hinge pin, fully raised	4 430 (14'6")
K Dump clearance 45 degree, full height	3 130 (10'3")
L Reach, 45 degree dump, full height	1 430 (4'8")
Reach, 45 degree dump, 7 ft (2.13 m) clearance	2 035 (6'8")
M Digging depth (horizontal digging angle)	160 (6")
N Max. roll back at carry position	50 deg
Tire size	26.5 - 25 - 24PR (L3)

Note: General purpose bucket with bolt on cutting edges.



ENGINE

Model	Isuzu AA-6WG1T
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharger
No. of cylinders	6
Rated power	
DIN 6271, net	235 kW (320 PS) at 2 000 min ⁻¹ (2 000 rpm)
SAE J1349, net	235 kW (316 hp) at 2 000 min ⁻¹ (2 000 rpm)
Bore and stroke	147 mm (5.79") x 154 mm (6.06")
Piston displacement	15.681 L (957 in ³)
Electrical system	24 volt with 1.2 kW, 50 A alternator
Starting system	24 V x 7.0 kW electric motor
Batteries	2 x 12 V/754 CCA, 294-min. rated reserve
Air cleaner	Single stage dry type with restriction indicator



POWER TRAIN

Transmission	Solenoid, full power shift, planetary gear- full modulation type controlled automatic shift and manual shift features included
Torque converter	Three element, single stage, single phase
Main clutch	Wet hydraulic, multi-disc type
Cooling method	Forced circulation type
Travel speed* : km/h (mph)	
	Forward / Reverse
1st	7.0 (4.4) / 7.5 (4.7)
2nd	12.0 (7.5) / 13.0 (8.1)
3rd	21.0 (13.0) / 22.5 (14.0)
4th	32.5 (20.2) / 34.0 (21.1)
	* With 26.5-25-24PR (L3) tires



AXLE AND FINAL DRIVE

Drive system	Four - wheel drive system
Front & rear axle	Semi - floating
	Front : fixed to the front frame
	Rear : Cradle pinned
Reduction and differential gear	Two stage reduction with spiral bevel gear reduction
Oscillation angle	±12° ; total 24°
Final drivers	Heavy duty, planetary final drive



TIRES

Standard	26.5-25-24PR (L3)
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BRAKES

Service brakes	Inboard mounted fully hydraulic 4 wheel wet disk brake. Front & rear independent brake circuit.
Parking brake	Front axle input braking. Multi disk type with spring cylinder



STEERING SYSTEM

Type	Articulated frame steering
Steering mechanism	Full hydraulic power steering with orbital
Steering angle	Each direction 37° ; total 74°
Relief pressure	20.7 MPa (210 kgf/cm ² ; 3 000 psi)
Cylinders	Two double-acting piston type
No. x Bore x Stroke	2 x 100 mm (3.9") x 530 mm (20.9")
Minimum turning radius at the centreline of outside tire	6.65 m (21'10")



HYDRAULIC SYSTEM

Boom and bucket are controlled by mechanical single control lever	
Boom controls	Four position valve ; Raise, hold, lower, float
Bucket controls with automatic bucket return-to-dig control	Three position valve ; Roll back, hold, dump
Main pump	
(Load)	Gear type 175 L/min (46.2 US gal/min, 38.5 Imp gal/min) @ 2 000 min ⁻¹ (rpm) at 17.7 MPa (180 kgf/cm ² , 2 560 psi)
(steer)	Gear type 175 L/min (46.2 US gal/min, 38.5 Imp gal/min) @ 2 000 min ⁻¹ (rpm) at 20.6 MPa (210 kgf/cm ² , 2 990 psi)
Charging pump	gear type
Brake	Gear type 98 L/min (25.9 US gal/min, 21.6 Imp gal/min) @ 2 000 min ⁻¹ (rpm) at 8.8 MPa (90 kgf/cm ² , 1 280 psi)
Relief pressure setting	20.6 MPa (210 kgf/cm ² , 2 990 psi)
Hydraulic cylinders	
Type	Two boom and one bucket, double acting type
No. x Bore x Stroke	Boom : 2 x 200 mm (7.9") x 960 mm (37.8")
	Bucket : 1 x 230 mm (9.1") x 590 mm (23.2")

Filters

Hydraulic cycle times

Lift boom Raise	6.8 s
Lower	3.5 s
Bucket dump	1.7 s



SERVICE REFILL CAPACITIES

Fuel tank	435 L (41.0 US gal, 34.1 Imp gal)
Engine coolant	90 L (23.8 US gal, 19.8 Imp gal)
Engine oil	30 L (7.9 US gal, 6.6 Imp gal)
Front axle differential & wheel hubs	87 L (23.0 US gal, 19.1 Imp gal)
Rear axle differential & wheel hubs	87 L (23.0 US gal, 19.1 Imp gal)
Torque converter & transmission	70 L (18.5 US gal, 15.4 Imp gal)
Hydraulic reservoir	180 L (47.6 US gal, 39.6 Imp gal)



DIMENSIONS

Bucket type		Standard boom	
		General purpose	
		With bolt-on cutting edges	
Bucket capacity	ISO heaped	m ³ (yd ³)	5.0 (6.5)
	ISO struck	m ³ (yd ³)	4.3 (5.6)
Bucket width		mm (ft in)	3 480 (11'5")
Working range			
Dump clearance 45 degree, full height		mm (ft in)	3 130 (10'3")
Reach, 45 degree dump, full height		mm (ft in)	1 430 (4'8")
Reach, 45 degree dump, 7 ft (2.13 m) clearance		mm (ft in)	2 035 (6'8")
Reach with arm horizontal and bucket level		mm (ft in)	
Digging depth (horizontal digging angle)		mm (ft in)	160 (6")
Overall operating height		mm (ft in)	6 650 (21'10")
Overall length (Bucket on ground)		mm (ft in)	9 430 (30'11")
Loader clearance circle, bucket in carry position		mm (ft in)	7 750 (25' 5")
Static tipping load *	Straight	kg (lb)	21 880 (48 240)
	Full 40 degree turn	kg (lb)	19 560 (43 120)
Breakout force		kN	237
		(kgf, lbf)	(24 200, 53 350)
Operating weight *		kg (lb)	30 000 (66 140)

Notes: 1. All dimensions, weight and performance data based on ISO 6746-1:1987, ISO 7131:1997 and ISO 7546:1983
 2. Static tipping load and operating weight marked with *include 26.5-25-24PR (L3) tires (no ballast) with lubricants, coolant, full fuel tank and operator.
 Machine stability and operating weight depend on counterweight, tire size and other attachments.



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

OPERATOR'S STATION

- 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 radio
- Cab interior light linked to door
- Floor mat
- Front attachment control lever lock
- Transmission shift lever lock
- Hot-and-cool box
- Rear view mirror

FEATURES

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

OTHERS

- 5.0 m³ (6.5 yd³ : ISO heaped) general purpose bucket with bolt on cutting edges
- Back up alarm
- Parking brake with electric switch
- Pre-cleaner
- 26.5-25-24PR (L3) tires



OPTIONAL EQUIPMENT Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- 4.4 m³ (5.8 yd³ : ISO heaped) rock bucket with teeth and segment edges
- 5.0 m³ (6.5 yd³ : ISO heaped) bucket with teeth and bolt on segment edges
- 29.5-25-22PR (L3) tires
- 4.7 m³ (6.2 yd³ : ISO heaped) bucket with teeth
- Log grapple

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

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

LX300-7

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*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.*

KL-E103

'02.3 (KA/KA, FT₂)