

Specifications

Engine

Isuzu CC-6BG1TC Electric engine control, water cooled, 4-cycle diesel, 6 cylinder, turbocharged with intercooler, 396 CID (6 494 cc), 4.13" (105 mm) bore x 4.92" (125 mm) stroke. EPA Tier II compliant.

SAE net horsepower 177 HP (132 kW) @ 2,200 rpm
Maximum torque 443 ft-lbs. (600 N-m) @ 1,800 rpm
Starter Electric, 24V
Alternator 50 amp
Battery Cold Cranking 780 amps
Air cleaner Double element
Governor Electronic

Hydraulic System

Two variable displacement axial piston pumps and one gear pump for pilot controls, with Link-Belt Inte-LX™ Control System. Link-Belt Inte-LX™ Control includes: electric engine control, five selectable working modes, auto/one touch idling, automatic speed shifting, free swing, cushioned attachment, swing anti-braking system, and two safety lockout switches including gate lock.

Hydraulic Pumps

Two variable volume piston pumps provide power for attachment, swing and travel. Auxiliary pump for grapple rotate.

Maximum flow 2 x 58.4 gpm (2 x 221 l/min)
Pilot pump max. flow 5.8 gpm (22 l/min)
Aux. pump max. flow 7.9 gpm (30 l/min)

Relief Valve Settings

Attachment 4,970 psi (350 kg/cm²)
Swing circuit 4,265 psi (300 kg/cm²)
Travel 4,970 psi (350 kg/cm²)

Oil Filtration

Nephron® filter 1 micron
Return, pilot 10 micron
Suction filter 105 micron

Control Valve One 4-spool valve and one 5-spool valve with auxiliary spool.

Cab and Controls

Cab mounted on 6 fluid filled mountings. Features include a safety glass front window and LEXAN® MARGARD™ rear and side windows, reclining/sliding suspension seat with headrest, armrests, lumbar support, heater, air conditioner, AM/FM stereo, cigarette lighter, pop-up skylight window, and intermittent wiper with washer. Front window slides upward for storage and the lower front window is removable. Control levers are located in 3-position tilting control consoles. Reliable soft-touch switches. Easy-to-read illuminated LCD service monitor keeps operator in touch with critical machine functions.

Heater output 20,240 BTU/hr (5 100 kcal/hr)
A/C output 18,250 BTU/hr (4 600 kcal/hr)

Swing

Planetary reduction powered by axial piston motor. Internal ring gear with grease cavity for swing pinion. Swing bearing is single-row shear type ball bearing. Swing cushion valve and dual stage relief valves for smooth swing deceleration and stops. Mechanical disc swing brake. Auto power swing.

Swing speed 0 – 8.1 rpm
Tail swing 10' 5" (3.18 m)
Swing torque 81,870 ft.-lbs. (111.0 kNm)

Undercarriage

High-wide X-style carbody is integrally welded for strength and durability. Grease cylinder track adjusters with shock absorbing springs. LC undercarriage with sealed track, lubricated rollers and idlers. Two-bar grouser track shoes.

Carrier rollers 2 per side
Track rollers 8 per side
Track link pitch 8.5" (215.9 mm)
Shoes 48 per side
Shoe width 27.5" (700 mm)
Ground pressure 8.41 psi (.59 kg/cm²)

Travel System

Two-speed independent hydrostatic travel with compact axial piston motors for increased performance. Hydraulic motor powered output shaft coupled to a planetary reduction unit and track sprocket. All hydraulic components mounted within the width of side frame.

Automatic Downshift: When operating in difficult travel conditions, the travel motor automatically downshifts from high to low speed for increased tractive effort and then automatically returns to high speed when travel conditions permit.

Max. travel speed 1.6/2.5 mph (2.5/4.1 km/h)
Traction force 61,820 lbs. (28 041 kgf)
Gradeability 70%

Spring applied, hydraulically released disc parking brake built into each motor. Each travel motor equipped with counterbalance valve to prevent overspeeding down an incline and 3-stage reliefs for smooth starts and stops.

Lubricant and Coolant Capacity

Hydraulic tank 32 gal. (120 liters)
Hydraulic system 63 gal. (240 liters)
Final drive (per side) 2.9 gal. (11 liters)
Swing drive 1.6 gal. (6.0 liters)
Engine 6.3 gal. (24 liters)
Fuel tank 90 gal. (340 liters)
Cooling system 7.7 gal. (29 liters)

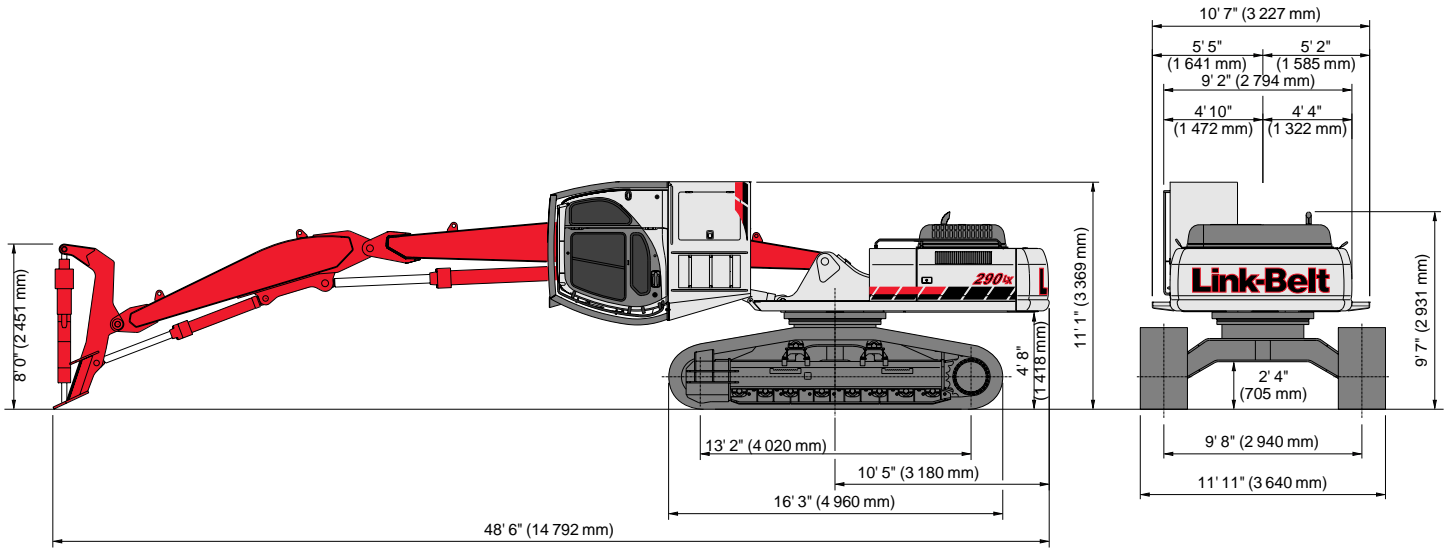
Attachment

Pierce 40'(12.2 m) Log Loading attachment w/heel
Young 40'(12.2 m) Log Loading attachment w/heel

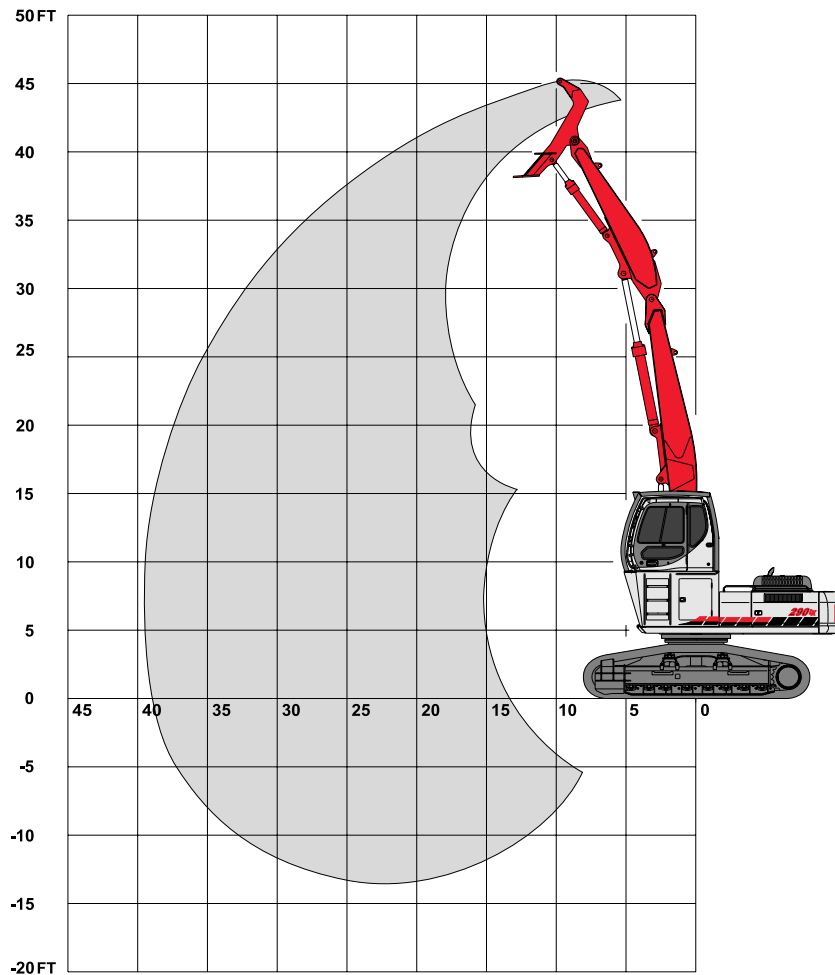
Operating Weight

Machine weight with 27.5" (700 mm) 2 bar shoes, 4' (1 219 mm) cab riser, 40' (12.2 m) attachment, logging guarding package, 1/2 tank of fuel and a 2,200 lb. (998 kg) grapple
..... 79,402 lbs. (36 016 kg)

Travel Dimensions - w/Pierce Attachment



Working Range - w/Pierce 40' (12.2 m) Attachment



Lifting Capacities

Lift Chart w/Pierce 40' (12.2 m) Attachment

Grapple Pin Height	Radius of Load												
	10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.67 m)		
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+40' 0" (12.19 m)	lbs. kg			32,010* 14 510*	32,010* 14 510*	25,930* 11 760*	25,930* 11 760*						
+35' 0" (10.67 m)	lbs. kg					24,070* 10 910*	24,070* 10 910*	21,170* 9 600*	16,940 7 680				
+30' 0" (9.14 m)	lbs. kg					23,570* 10 690*	23,570* 10 690*	20,510* 9 300*	17,530 7 950	16,780 7 610	12,550 5 690		
+25' 0" (7.62 m)	lbs. kg					23,810* 10 800*	23,810* 10 800*	20,600* 9 340*	17,620 7 990	17,030 7 720	12,790 5 800	12,980 5 880	9,640 4 370
+20' 0" (6.10 m)	lbs. kg					22,880* 10 370*	22,880* 10 370*	21,160* 9 590*	17,390 7 880	16,990 7 700	12,750 5 780	12,900 5 850	9,570 4 340
+15' 0" (4.57 m)	lbs. kg			22,750* 10 310*	22,750* 10 310*	24,090* 10 920*	24,090* 10 920*	21,960* 9 960*	16,890 7 660	16,740 7 590	12,510 5 670	12,890 5 840	9,560 4 330
+10' 0" (3.05 m)	lbs. kg			37,020* 16 790*	37,020* 16 790*	28,120* 12 750*	23,080 10 460	21,920 9 940	16,240 7 360	16,390 7 430	12,180 5 520	12,750 5 780	9,430 4 270
+5' 0" (1.52 m)	lbs. kg					28,950* 13 130*	21,740 9 860	21,200 9 610	15,580 7 060	16,010 7 260	11,820 5 360	12,590 5 710	9,270 4 200
Ground Line	lbs. kg			19,460* 8 820*	19,460* 8 820*	27,890* 12 650*	20,750 9 410	20,620 9 350	15,040 6 820	15,700 7 120	11,530 5 220	12,450* 5 640*	9,150 4 150
-5' 0" (1.52 m)	lbs. kg	7,650* 3 470*	7,650* 3 470*	14,490* 6 570*	14,490* 6 570*	24,410* 11 070*	20,250 9 180	19,000* 8 610*	14,720 6 670	14,430* 6 540*	11,330 5 130	9,620* 4 360*	9,120 4 130
-10' 0" (3.05 m)	lbs. kg			18,010* 8 160*	18,010* 8 160*	18,850* 8 550*	20,150 9 130	14,660* 6 640*	14,660* 6 640*	10,730* 4 860*	10,730* 4 860*		

Notes: Timber Loader lifting capacities

- Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
- Lifting capacities shown include a heel rack, but do not include a grapple. Grapple weight must be deducted from the lifting capacities.
- Lifting capacities are based on machine standing on firm, uniform supporting surface. User must make allowances for job conditions such as soft or uneven ground, sudden stopping of loads, or other unfavorable job conditions.
- Lifting capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
- These capacities apply to machines having 4970 psi boom hoist cylinder pressure.
- Least stable position is over the side.
- Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by the manufacturers before operating the machine.
- Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company LLC. Any additional equipment such as quick attach adapters, thumbs or similar items will require deductions to the lifting capacities.
- Lift capacity ratings are calculated per SAE J2417, "Lift capacity Calculation Method, Knuckle-Boom Log Loaders and Certain Forestry Equipment."

Standard Equipment

- Inte-LX™ Computer System
- Self-diagnostic system
- Five selectable working modes
- One-touch decelerator
- Auto idling system
- Auto idle start
- Low idle up
- Auto engine warm up
- Cushioned attachment control
- Free swing control
- Auto power swing
- Travel alarm
- Nephron® filtration system
- Swing-out oil cooler
- Low noise/low vibration cab floating on 6 fluid filled mounts
- Sliding/reclining, suspension cloth upholstered seat with adjustable arm rests and lumbar support, retracting seat belt
- 3-position tilting consoles
- 4th position on left console for entering and exiting the cab also serves as control lock-out
- Illuminated LCD service monitor
- Climate control heater and air conditioner
- Horn, interior lighting, AM/FM STEREO radio, digital clock, floor mat, cigarette lighter
- Safety glass front windows with automatic lock and intermittent rise-up windshield wiper and washer, large LEXAN® rear/side windows
- Gate lock and gate lock lever (control lock-out device)
- Vandalism locks/guarding
- Common key for cab & house doors, engine hood, tool box, and fuel cap
- Hand grab rails both sides
- Rear view mirror, coat hook, storage compartment
- High-Wide undercarriage
- Chrome plated boom foot pin with oil impregnated bushing
- Heavy Duty upper and lower undercovers
- 4' hydraulically tilting cab riser w/logger guarding
- Grapple open/close/rotating system
- 40' (12.2 m) live heel logging front
- 15,233 lbs. (6 910 kg) counterweight

Optional Equipment

- Road Builder Package
- Auxiliary fuel tank for right hand front corner