

OPERATIONS
CUT
SPREADS

4040

FORESTRY EQUIPMENT

Timber Loaders • Road Builders • Processors



Link-Belt
FORESTRY

ATTENTION TO DETAILS AT EVERY LEVEL

(A) Oregon OSHA/ROPS/WCB-certified cabs are 8082-2 compliant; available with sky roof and escape hatch. Choose rear-entry or side-entry cabs and risers; impact-resistant polycarbonate windows.

(B) 7" high-definition color monitor; full-time rear-view camera is standard. RemoteCARE® telematics keeps a watchful eye on performance, maintenance intervals and theft deterrence.

(C) Superior maneuverability and fine control, with dedicated control valve for application and forestry-exclusive circuit for arm-in-arm regeneration and arm-2 spool.

(D) Convenient ticket slot; operator doesn't have to bend down to hand the truck driver a log ticket.



(E) Faster cycle time and attachment speed:

- 20% faster boom-down/arm-in
- 10% faster boom up/swing
- 7% swing torque increase
- Up to 10% bonus lifting capacity due to wider lifting area and rear-mounted fuel tank.

(F) Heavy-duty components built for the woods include house doors; covers; protective guards; redesigned undercarriage; reinforced boom foot revolving frame; factory-fabricated attachment with optimized heel.

(G) Tough, purpose-built guarding includes 3-pc. steel engine hood; add-on hockey stick; LED lights and no-bolt oil filler.

(H) Servicing is a snap, with convenient access to all routine service points, including sample ports for engine and hydraulic oil. All service ports can be accessed via hand-turn knobs, no tools needed.





PROCESSOR SPECIFICATIONS

Engine

Isuzu AQ-6HK1X Final Tier 4 turbocharged diesel engine
 SAE J 1349 net hp 207 HP (154 kW) @ 1,800 rpm
 Displacement 7.8 L
 Maximum torque 626 lbf-ft (849 N-m) @ 1,500 rpm
 Starter 24V-5.0kW
 Alternator 90 amp
 Battery (2) 12-volt 128 amp hours

Hydraulic System

Hydraulic Pumps

Maximum flow 2 x 64.2 gpm (2 x 243 l/min)
 Pilot pump maximum flow 7.1 gpm (27 l/min)

Relief Valve Settings

Boom/arm/tool 4,970 psi (343 bar)
 Swing circuit 4,410 psi (304 bar)
 Travel 4,970 psi (343 bar)

Hydraulic Oil Filtration

Return filter 6 micron
 Pilot filter 8 micron
 Suction screen 105 micron
 Auxiliary drain line filter 8 micron

Swing

Swing speed 0 - 8.5 rpm
 Tail swing 11' 6" (3.51 m)
 Swing torque 82,656 lbf-ft. (112 kN•m)

Undercarriage

Carrier rollers 2 per side
 Track rollers 8 per side
 Track link pitch 8.50" (216 mm)
 Shoes 48 per side
 Shoe width 27.5" (700 mm)
 Ground Pressure (less cab) 9.12 psi (0.062 MPa)

Travel System

Max. travel speed 1.5 - 2.5 mph (2.4 - 4.0 km/h)
 Drawbar pull 69,465 lbf (309 kN)
 Gradeability 70% (35%)

Attachment

Boom 20' 2" (6.15 m)
 Arm 12' 0" (3.67 m)

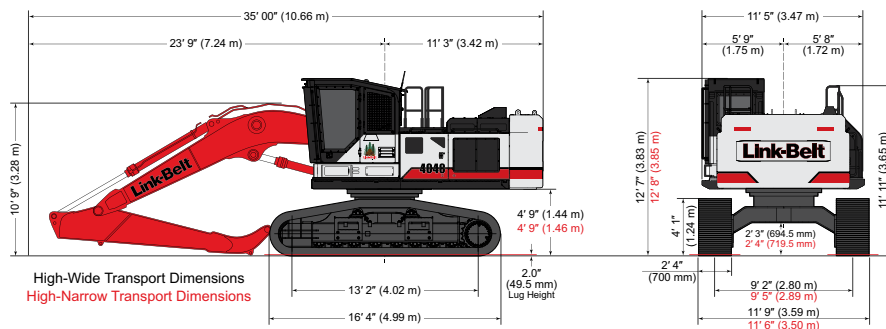
Capacities

Fuel tank 216 gal. (820 liters)
 Hydraulic tank 39 gal. (147 liters)
 Hydraulic system 79 gal. (300 liters)
 Final drive (per side) 2.5 gal. (9.5 liters)
 Swing drive 1.3 gal. (5.0 liters)
 Engine oil 10.8 gal. (40.9 liters)
 DEF Tank 31.7 gal. (120.0 Liters)
 Cooling system 9.5 gal. (35.9 liters)

Operating Weight - No Tool

Working weight with side-entry forestry cab, 12" (305 mm) cab riser, 14,200 lb. (6 450 kg) counterweight, 27.5" (700 mm) 2-bar shoes, reversible fan, hockey stick guard, 1.25" polycarbonate glass - no processing tool
 High-wide undercarriage 87,487 lbs (39 683 kg)
 High-narrow undercarriage 87,468 lbs (39 675 kg)

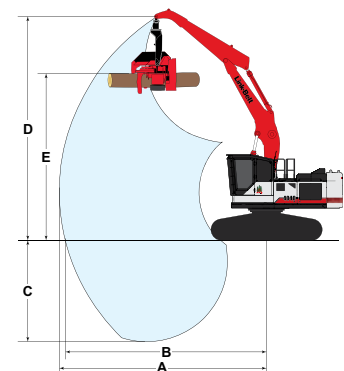
PROCESSOR TRAVEL DIMENSIONS



PROCESSOR WORKING RANGE

Boom Cylinders in High-Lift Position

Machine Equipped with 20' 2" (6.15 m) Boom, 12' 0" (3.67 m) Arm	High-Narrow Undercarriage	High-Wide Undercarriage
A. Maximum reach	30' 9" (9.36 m)	30' 9" (9.36 m)
B. Maximum reach @ ground level	29' 11" (9.11 m)	29' 11" (9.11 m)
C. Maximum depth	15' 1" (4.61 m)	15' 2" (4.63 m)
D. Maximum height	32' 11" (10.04 m)	32' 10" (10.02 m)
E. Maximum log level height	24' 7" (7.50 m)	24' 6" (7.48 m)



PROCESSOR SPECIFICATIONS

12' 0" (3.67 m) Arm with 20' 2" (6.15 m) Boom in High Lift Position with High-Narrow Undercarriage

	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		Max. Reach	
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0" (9.0 m) lbs													11,200*	11,200*
(9.0 m) kg													5 020*	5 020*
+25' 0" (7.5 m) lbs									11,700*	11,700*			10,300*	10,300*
(7.5 m) kg									5 750*	5 750*			4 650*	4 650*
+20' 0" (6.0 m) lbs							16,350*	16,350*	15,100*	15,100*			10,000*	10,000*
(6.0 m) kg							7 470*	7 470*	7 010*	7 010*			4 540*	4 540*
+15' 0" (4.5 m) lbs					22,200*	22,200*	20,350*	20,350*	17,900*	17,900*	11,050*	11,050*	10,050*	10,050*
(4.5 m) kg					10 480*	10 480*	9 430*	9 430*	8 310*	8 310*	5 640*	5 640*	4 570*	4 570*
+10' 0" (3.0 m) lbs					31,000*	31,000*	23,400*	23,400*	19,150*	19,150*	14,100*	14,100*	10,450*	10,450*
(3.0 m) kg					14 360*	14 360*	10 800*	10 800*	8 830*	8 830*	6 930*	6 930*	4 750*	4 750*
+5' 0" (1.5 m) lbs					33,600*	33,600*	24,750*	24,750*	19,650*	19,650*	15,750*	15,350*	11,200*	11,200*
(1.5 m) kg					15 520*	15 520*	11 410*	11 410*	9 070*	9 070*	7 440*	7 120*	5 090*	5 090*
Ground lbs			16,250*	16,250*	33,200*	33,200*	24,700*	24,700*	19,350*	19,300*	14,700*	14,700*	12,450*	12,450*
Line kg			7 140*	7 140*	15 280*	15 280*	11 400*	11 400*	8 950*	8 930*	7 060*	7 030*	5 650*	5 650*
-5' 0" (1.5 m) lbs	16,200*	16,200*	24,800*	24,800*	30,050*	30,050*	22,950*	22,950*	17,750*	17,750*			13,950*	13,950*
(1.5 m) kg	7 250*	7 250*	10 970*	10 970*	13 850*	13 850*	10 610*	10 610*	8 240*	8 240*			6 330*	6 330*
-10' 0" (3.0 m) lbs	25,550*	25,550*	30,250*	30,250*	24,450*	24,450*	19,050*	19,050*	13,850*	13,850*			12,500*	12,500*
(3.0 m) kg	11 400*	11 400*	13 940*	13 940*	11 320*	11 320*	8 860*	8 860*	6 570*	6 570*			5 710*	5 710*
-15' 0" (4.5 m) lbs			17,400*	17,400*	15,650*	15,650*	11,650*	11,650*					9,450*	9,450*
(4.5 m) kg			8 220*	8 220*	7 410*	7 410*	5 650*	5 650*					4 390*	4 390*

12' 0" (3.67 m) Arm with 20' 2" (6.15 m) Boom in High Lift Position with High-Wide Undercarriage

	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		Max. Reach	
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0" (9.0 m) lbs													11,200*	11,200*
(9.0 m) kg													5 020*	5 020*
+25' 0" (7.5 m) lbs									11,700*	11,700*			10,300*	10,300*
(7.5 m) kg									5 750*	5 750*			4 650*	4 650*
+20' 0" (6.0 m) lbs							16,350*	16,350*	15,100*	15,100*			10,000*	10,000*
(6.0 m) kg							7 470*	7 470*	7 010*	7 010*			4 540*	4 540*
+15' 0" (4.5 m) lbs					22,200*	22,200*	20,350*	20,350*	17,900*	17,900*	11,050*	11,050*	10,050*	10,050*
(4.5 m) kg					10 480*	10 480*	9 430*	9 430*	8 310*	8 310*	5 640*	5 640*	4 570*	4 570*
+10' 0" (3.0 m) lbs					31,000*	31,000*	23,400*	23,400*	19,150*	19,150*	14,100*	14,100*	10,450*	10,450*
(3.0 m) kg					14 360*	14 360*	10 800*	10 800*	8 830*	8 830*	6 930*	6 930*	4 750*	4 750*
+5' 0" (1.5 m) lbs					33,600*	33,600*	24,750*	24,750*	19,650*	19,650*	15,750*	15,750*	11,200*	11,200*
(1.5 m) kg					15 520*	15 520*	11 410*	11 410*	9 070*	9 070*	7 440*	7 340*	5 090*	5 090*
Ground lbs			16,250*	16,250*	33,200*	33,200*	24,700*	24,700*	19,350*	19,350*	14,700*	14,700*	12,450*	12,450*
Line kg			7 140*	7 140*	15 280*	15 280*	11 400*	11 400*	8 950*	8 950*	7 060*	7 060*	5 650*	5 650*
-5' 0" (1.5 m) lbs	16,200*	16,200*	24,800*	24,800*	30,050*	30,050*	22,950*	22,950*	17,750*	17,750*			13,950*	13,950*
(1.5 m) kg	7 250*	7 250*	10 970*	10 970*	13 850*	13 850*	10 610*	10 610*	8 240*	8 240*			6 330*	6 330*
-10' 0" (3.0 m) lbs	25,550*	25,550*	30,250*	30,250*	24,450*	24,450*	19,050*	19,050*	13,850*	13,850*			12,500*	12,500*
(3.0 m) kg	11 400*	11 400*	13 940*	13 940*	11 320*	11 320*	8 860*	8 860*	6 570*	6 570*			5 710*	5 710*
-15' 0" (4.5 m) lbs			17,400*	17,400*	15,650*	15,650*	11,650*	11,650*					9,450*	9,450*
(4.5 m) kg			8 220*	8 220*	7 410*	7 410*	5 650*	5 650*					4 390*	4 390*

Notes: Lifting capacities

- Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities for Log Loader attachment include a heel rack, but not grapple. Addition of grapple weight must be deducted from lift 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.
- 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.
- Least stable position is over the side.
- Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by LBX before operating the machine.
- Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company LLC.



FORESTRY STANDARD & OPTIONAL EQUIPMENT

STANDARD EQUIPMENT

CAB

- LED exterior lights.
- Key fob with remote machine light-up functionality; (2) riser step, (3) cab
- SCM air-suspension heated seat, sliding/reclining, adjustable armrests, lumbar support, retractable seat belt, +/- 5 degree tilt
- 4-position tilting consoles with memory position and hydraulic lock-out
- Auto climate control a/c & heat, defrost
- Sirius® Satellite ready sound system w/ AM/FM, MP3 port, USB port, dual speakers & mute button
- Job ticket slot, cup holder, 12-volt accessory outlet, digital clock, 24-volt cigarette lighter, ashtray, dome light, coat hook, high output dual horn, floor mat
- 2-position LED swivel map lights w/ red ambient illumination for safety & night vision compatibility
- High definition LCD monitor w/ full color 7" display
- Anti-theft device
- Single motor dual arm intermittent/continuous windshield wiper with washer
- Single pedal travel
- Travel alarm with cancellation switch
- CB radio & antenna mounting provision
- Vandal locks with common key
- On-board diagnostic system
- Rear view camera (full time display)
- RemoteCARE – telematics
- 2-position sun shade

ENGINE

- EPA Tier IV Isuzu diesel engine, no DPF system to maintain
- Three selectable work modes
- 90 amp alternator
- Common rail fuel injection
- Turbocharger with intercooler
- Neutral safety start
- Idle start
- Glow plug pre-heat
- Auto engine warm-up
- Auto idling system
- One-touch idle
- Dual remote fuel filters with water separation
- Double element air filter with in-cab restriction indicator (SE only)
- Remote, full-flow engine oil filter
- Green plug engine oil drain
- EPF Engine Protection
- Emergency engine stop
- Engine oil & hydraulic oil sample ports
- Battery disconnect switch

HYDRAULICS

- Open-center hydraulic system
- Auto swing priority
- Auxiliary hydraulics for open/close/rotate
- Pre-set auxiliary pump settings
- Control levers pre-wired for auxiliary
- Two-speed with auto shift & straight travel
- Attachment cushion valve
- Boom regeneration
- Attachment anti-drift valves
- Centralized lube banks

UNDERCARRIAGE

- Sealed and lubricated track chain
- Forestry-style upper roller brackets w/ scrapers
- Planetary drive
- Spring-applied, hydraulic release brake
- Full-length track guards (2 piece, bolt-on)
- HD purpose-built swivel guard belly pan
- HD purpose-built upper belly pans
- HD purpose-built reinforced frame (upper & lower)
- HD purpose-built travel motor covers

UPPERSTRUCTURE

- Rear mounted fuel tank
- HD purpose-built pump & radiator doors
- HD purpose-built tank skin
- HD purpose-built full length catwalks w/ non-skid edge treatment- welded
- HD purpose-built turntable bearing & swing motor
- RH corner guard w/ (2) lights & (2) horns
- Non-skid surface pads
- 14,200 lbs (6 450 kg) Forestry counterweight
- ISO compliant guard and hand rails along upper structure
- Large RH storage box

ATTACHMENT

- HD boom cylinder guard
- Arm cylinder guards (TL)

OPTIONAL EQUIPMENT

CAB

- Oregon OSHA/ROPS/WCB compliant side-entry forestry cab with sky roof and escape hatch
- Oregon OSHA/ROPS/WCB compliant rear-entry forestry cab with 48" hydraulic tilting riser; only available when equipped with B-N-T arm.
- 1/2" front window polycarbonate
- 1-1/4" front window polycarbonate **LBX requires 1-1/4" front window polycarbonate for all machines with a processing head installed.**

HYDRAULICS

- Hydraulic reversible fan

UNDERCARRIAGE

- 27.5" (700 mm) single-bar grouser
- 27.5" (700 mm) 2-bar grouser
- 27.5" (700 mm) 3-bar grouser

UPPERSTRUCTURE

- "Hockey Stick" guard for RH front corner guard

ATTACHMENT

- Log loader attachment equipped with live-heel (TL)



TELEMATICS WITH NO SUBSCRIPTION FEE

RemoteCARE® lets you remotely monitor and track machine location, operational performance, working status and periodic maintenance requirements - now at no cost to you. It tracks and records both routine and major service intervals for your machines, giving you more flexibility and control when scheduling maintenance procedures. It also lets you be more proactive if potential failure conditions arise; whenever a diagnostic trouble code (DTC) is detected, a warning message appears on the machine display, and an e-mail alert is automatically sent to you. RemoteCARE also assists in theft prevention by offering 24/7 surveillance and geofencing capabilities.

FREE Subscription Includes:

- ✓ 24/7 Remote Monitoring and Security
- ✓ Machine Location
- ✓ Geo-fence & Curfew Range
- ✓ Actual Fuel Consumption
- ✓ Fuel Levels
- ✓ Hour Meter Reading
- ✓ Radiator Water Temperature
- ✓ Machine Working Time/Idle Time
- ✓ Attachment Working Hours
- ✓ Working Modes
- ✓ Service Maintenance Reminders
- ✓ Service Warnings

REMOTECARE® APP

Manage your Link-Belt equipment with this user friendly telematics management tool with GPS technology. The RemoteCARE App provides timely and reliable machine utilization.

App features include...

- Machine location
- Fuel efficiency
- DTC notification history
- Fuel consumption
- Analytical snapshots
- Favorite list
- Utilization report
- Idle rate

Download Apple or Android app at lbxco.com/apps for phone & tablet.

4040 FORESTRY EQUIPMENT

Timber Loaders • Road Builders • Processors



Timber Loaders

We've earned our reputation for building strong and dependable log loaders for use in the woods or millyards. Our loaders can be equipped with Fixed or Live-Heel booms to handle large diameter logs and tree-length loads. Or choose from a variety of Butt-N-Top grapple options to match your needs perfectly.



Road Builders

For tasks such as pioneering, construction and maintenance of access roads and right-of-way logging, we've got the right machines for the job. Our road builders are built to move boulders, dig trenches or clear debris with ease.



Processors

Link-Belt Forestry swing machines are designed to be configured as high-capacity timber processors with your choice of harvesting heads. Choose high-wide or high-narrow undercarriage, single-bar or three-bar grouser shoes to match your application perfectly.

ROCK-SOLID WARRANTY COVERAGE

All 40 Series machines are backed by a 3-year/3,000 hour Full Machine Warranty, 3-year/5,000 hour Powertrain Warranty, 3-year/10,000 hour XtraStructure Warranty, 5-year/3,000 hour EPA Emissions Warranty and participation in the LBX Fluids Analysis Program for the duration of the Powertrain warranty. Extended warranty coverage packages are also available. FREE RemoteCARE® telematics.



OUR DEALERS KNOW THEIR WAY AROUND THE WOODS

A network of Link-Belt Forestry and Excavator dealers across the U.S. and Canada is waiting to serve you. Expect fast and dependable service, backed by 24/7 access to parts.



LBX Company is the proud maker of quality Link-Belt excavators and is located in Lexington, KY.
#LBX2463 Litho in USA 5/22 LBX® and Link-Belt® are registered trademarks. Copyright 2022. All rights reserved.
We are constantly improving our products and therefore reserve the right to change designs and specifications.

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