

SPECIALTIONS

4040

FORESTRY EQUIPMENT

Timber Loaders • Road Builders • Processors



Link-Belt
FORESTRY



PURPOSE-BUILT FOR THE WORK YOU DO

Link-Belt Forestry machines are designed and built with you in mind. Whether you're pioneering sites, building access roads, harvesting timber, processing logs or loading trucks at the mill yard, we've got the right equipment for the job. The new Link-Belt 4040 forestry machine features a powerful, fuel-efficient Final Tier 4 engine that doesn't require a DPF, matched to a 50% larger fuel tank that keeps you working longer. 4040 forestry machines offer up to 18% improved cycle times, best-in-class swing torque, 17% draw bar pull increase and up to 16% better fuel economy. This attention to detail insures that Link-Belt Forestry machines deliver outstanding performance and productivity where it matters most. We focus on the machine so you can focus on your work.



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.





TIMBER LOADER 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)
 Auxiliary pump maximum flow..... 9.7 gpm (36.8 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

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) 9.57 psi (0.066 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..... 21' 4" (6.50 m)
 Arm..... 14' 0" (4.27 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

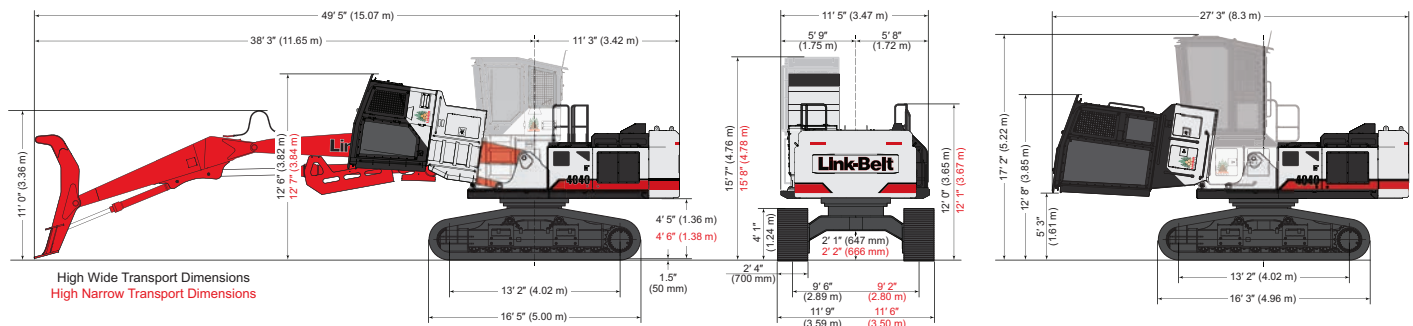
Working weight with side-entry forestry cab, 48" (1.22 m) cab riser, live-heel logging attachment, high-wide undercarriage, 27.5" (700 mm) 2-bar shoes

..... 90,658 lbs (41 122 kg)

Working weight with rear-entry forestry cab, 48" (1.22 m) cab riser, live-heel logging attachment, high-wide undercarriage, 27.5" (700 mm) 2-bar shoes

..... 91,699 lbs (41 594 kg)

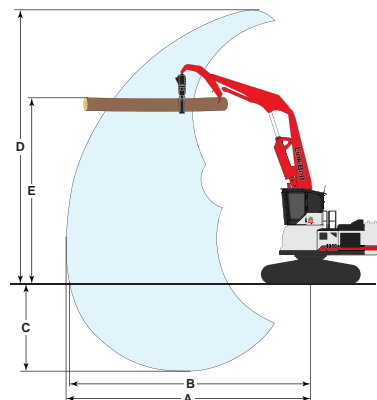
TIMBER LOADER TRAVEL DIMENSIONS



TIMBER LOADER WORKING RANGE

Equipped with Logging Attachment	High Narrow	High Wide
A. Maximum reach	40' 9" (12.41 m)	40' 9" (12.41 m)
B. Maximum reach @ ground level	40' 2" (12.23 m)	40' 2" (12.23 m)
C. Maximum depth	14' 11" (4.55 m)	15' 00" (4.57 m)
D. Maximum height	45' 11" (14.00 m)	45' 10" (13.98 m)
E. Maximum log level height	30' 8" (9.35 m)	31' 00" (9.44 m)

Working range shown at grapple pin location with live-heel extended



TIMBER LOADER LIFTING CAPACITIES

14' 0" (4.27 m) Arm with 21' 4" (6.50 m) Boom and Live-Heel (High Wide)

	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)		35' 0" (10.5 m)		Max. Reach	
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+40' 0" lbs (12.0 m) kg					21,150*	21,150*							15,800*	15,800*
+35' 0" lbs (10.5 m) kg					22,150*	22,150*	19,550*	19,550*					12,550*	12,550*
+30' 0" lbs (9.0 m) kg					22,100*	22,100*	18,850*	18,850*	17,000*	16,150			11,000*	11,000*
+25' 0" lbs (7.5 m) kg					22,350*	22,350*	18,900*	18,900*	16,850*	16,150	14,050*	12,550	10,100*	10,100*
+20' 0" lbs (6.0 m) kg					22,450*	22,450*	19,450*	19,450*	17,050*	16,100	14,400*	12,400	9,600*	9,600*
+15' 0" lbs (4.5 m) kg					24,200*	24,200*	20,350*	20,350*	17,400*	16,000	14,200*	12,350	9,350*	9,350*
+10' 0" lbs (3.0 m) kg					26,250*	26,250*	21,250*	20,900	17,650*	15,800	13,850*	12,300	9,300*	9,300*
+5' 0" lbs (1.5 m) kg					27,600*	27,600	21,700*	20,350	17,300*	15,550	12,900*	12,250	8,850*	8,850*
Ground Line lbs (1.5 m) kg	13,450*	13,450*	24,150*	24,150	27,250*	27,150	20,850*	19,750	15,950*	15,250	10,750*	10,750*	9,350*	9,350*
-5' 0" lbs (1.5 m) kg	6 110*	6 110*	20,100*	20,100	23,750*	23,750*	18,150*	18,150	13,200*	13,200	8,100*	8,100*	7,050*	7,050*
-10' 0" lbs (3.0 m) kg			19,250*	19,250	17,800*	17,800*	13,350*	13,350*	10,050*	10,050*	3 690*	3 690*	3 190*	3 190*

14' 0" (4.27 m) Arm with 21' 4" (6.50 m) Boom and Live-Heel (High Narrow)

	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)		35' 0" (10.5 m)		Max. Reach	
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+40' 0" lbs (12.0 m) kg					21,150*	21,150*							15,800*	15,800*
+35' 0" lbs (10.5 m) kg					22,150*	22,150*	19,550*	19,550*					12,550*	12,550*
+30' 0" lbs (9.0 m) kg					22,100*	22,100*	18,850*	18,850*	17,000*	15,000			11,000*	11,000*
+25' 0" lbs (7.5 m) kg					22,350*	22,350*	18,900*	18,900*	16,850*	15,050	14,050*	11,650	10,100*	10,100*
+20' 0" lbs (6.0 m) kg					22,450*	22,450*	19,450*	19,450*	17,050*	14,950	14,400*	11,500	9,600*	9,600*
+15' 0" lbs (4.5 m) kg					24,200*	24,200*	20,350*	19,850	17,400*	14,850	14,200*	11,400	9,350*	9,350*
+10' 0" lbs (3.0 m) kg					26,250*	26,250*	21,250*	19,400	17,650*	14,650	13,850*	11,400	9,300*	9,300*
+5' 0" lbs (1.5 m) kg					27,600*	26,100	21,700*	18,850	17,300*	14,400	12,900*	11,350	8,850*	8,850*
Ground Line lbs (1.5 m) kg	13,450*	13,450*	24,150*	24,150	27,250*	25,050	20,850*	18,300	15,950*	14,100	10,750*	10,750*	9,350*	9,350*
-5' 0" lbs (1.5 m) kg	6 110*	6 110*	20,100*	20,100	23,750*	23,750*	18,150*	17,900	13,200*	13,200	8,100*	8,100*	7,50*	7,050*
-10' 0" lbs (3.0 m) kg			19,250*	19,250	17,800*	17,800*	13,350*	13,350*	10,050*	10,050*	3 690*	3 690*	3 190*	3 190*

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.



ROAD BUILDER 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)
 Auxiliary pump maximum flow 9.7 gpm (36.8 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

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) 9.14 psi (0.063 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..... 10' 5" (3.18 m)

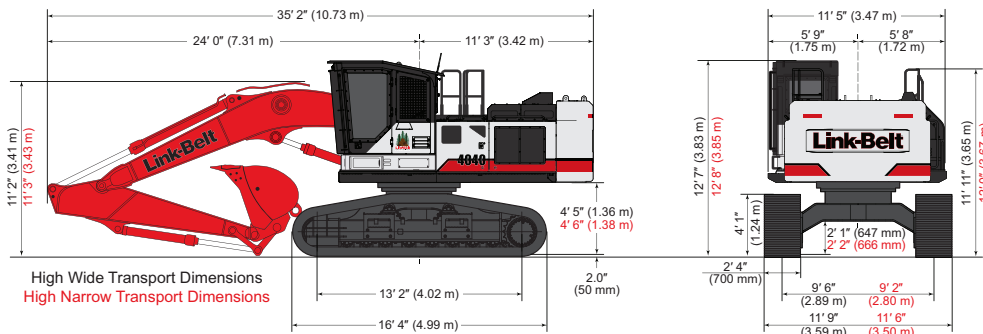
Capacities

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

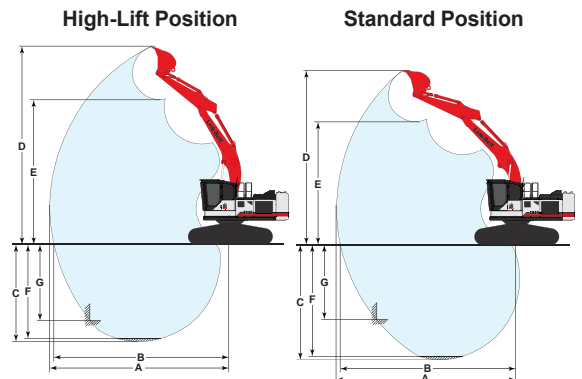
Working weight with side-entry forestry cab, 12" (305 mm) cab riser, road builder attachment, 14,200 lb. (6 450 kg) counterweight, 27.5" (700 mm) 2-bar shoes - no bucket
 High-wide undercarriage 86,200 lbs (39 100 kg)
 High-narrow undercarriage 86,200 lbs (39 100 kg)

ROAD BUILDER TRAVEL DIMENSIONS



ROAD BUILDER WORKING RANGE

Machine Equipped with 20' 2" (6.15 m) Boom, 10' 5" (3.18 m) Arm	High-Lift Position		Standard Position	
	High Wide Undercarriage	High Narrow Undercarriage	High Wide Undercarriage	High Narrow Undercarriage
A. Maximum reach	35' 1" (10.69 m)	35' 1" (10.69 m)	35' 1" (10.69 m)	35' 1" (10.69 m)
B. Maximum reach @ ground level	34' 4" (10.46 m)	34' 4" (10.46 m)	34' 4" (10.46 m)	34' 4" (10.46 m)
C. Maximum dig depth	18' 10" (5.73 m)	18' 9" (5.71 m)	22' 7" (6.89 m)	22' 6" (6.87 m)
D. Maximum dig height	38' 1" (11.62 m)	38' 2" (11.64 m)	33' 8" (10.26 m)	33' 9" (10.28 m)
E. Maximum dump height	28' 0" (8.53 m)	28' 1" (8.55 m)	24' 5" (7.44 m)	24' 6" (7.46 m)
F. Digging depth 8' (2.44 m) level bottom	18' 3" (5.57 m)	18' 3" (5.55 m)	22' 1" (6.72 m)	22' 0" (6.70 m)
G. Maximum vertical wall depth	14' 10" (4.52 m)	14' 9" (4.50 m)	14' 10" (4.52 m)	14' 9" (4.50 m)



ROAD BUILDER LIFTING CAPACITIES

10' 5" (3.18 m) Arm with 20' 2" (6.15 m) Boom in Standard Position and 2,110 lb. (960 kg) Bucket (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)														7,250*	7,250*	
+25' 0" (7.5 m)										10,650*	10,650*			6,700*	6,700*	
+20' 0" (6.0 m)										12,150*	12,150*	9,550*	9,550*	6,550*	6,550*	
+15' 0" (4.5 m)					14,700*	14,700*	16,150*	16,150*	13,900*	13,900*	12,000*	12,000*	12,000*	12,000*	6,650*	6,650*
+10' 0" (3.0 m)			37,500*	37,500*	25,800*	25,800*	19,050*	19,050*	15,550*	15,550*	13,200*	13,200*	13,200*	13,200*	6,950*	6,950*
+5' 0" (1.5 m)			15,850*	15,850*	30,200*	30,200*	21,450*	21,450*	16,850*	16,850*	13,900*	13,900*	13,900*	13,900*	7,500*	7,500*
Ground Line			19,000*	19,000*	31,650*	31,650*	22,700*	22,700*	17,550*	17,550*	14,100*	14,100*	14,100*	14,100*	8,350*	8,350*
-5' 0" (1.5 m)	19,350*	19,350*	25,000*	25,000*	31,250*	31,250*	22,700*	22,700*	17,450*	17,450*	13,650*	13,650*	13,650*	13,650*	9,750*	9,750*
-10' 0" (3.0 m)	24,200*	24,200*	33,650*	33,650*	29,400*	29,400*	21,650*	21,650*	16,350*	16,350*	7,620*	7,620*	7,620*	7,620*	12,250*	12,250*
-15' 0" (4.5 m)	32,750*	32,750*	35,250*	35,250*	25,000*	25,000*	18,300*	18,300*	8,590*	8,590*					12,900*	12,900*
-20' 0" (6.0 m)					16,000*	16,000*									12,300*	12,300*

10' 5" (3.18 m) Arm with 20' 2" (6.15 m) Boom in High Lift Position and 2,110 lb. (960 kg) Bucket (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)														7,250*	7,250*	
+25' 0" (7.5 m)										10,650*	10,650*			6,700*	6,700*	
+20' 0" (6.0 m)							15,400*	15,400*	12,150*	12,150*	9,550*	9,550*	6,550*	6,550*	2,980*	2,980*
+15' 0" (4.5 m)					24,850*	24,850*	19,600*	19,600*	15,750*	15,750*	12,000*	12,000*	12,000*	12,000*	6,650*	6,650*
+10' 0" (3.0 m)			44,650*	44,650*	29,800*	29,800*	21,900*	21,900*	17,450*	17,450*	14,350*	14,350*	14,350*	14,350*	6,950*	6,950*
+5' 0" (1.5 m)			15,850*	15,850*	32,150*	32,150*	23,100*	23,100*	17,900*	17,900*	14,350*	14,350*	14,350*	14,350*	7,500*	7,500*
Ground Line			19,000*	19,000*	31,750*	31,750*	23,050*	23,050*	17,700*	17,700*	13,800*	13,800*	13,800*	13,800*	8,350*	8,350*
-5' 0" (1.5 m)	19,350*	19,350*	25,000*	25,000*	29,350*	29,350*	21,750*	21,750*	16,500*	16,500*	11,950*	11,950*	11,950*	11,950*	9,750*	9,750*
-10' 0" (3.0 m)	24,200*	24,200*	32,150*	32,150*	24,500*	24,500*	18,500*	18,500*	13,500*	13,500*	6,370*	6,370*	6,370*	6,370*	9,400*	9,400*
-15' 0" (4.5 m)			20,350*	20,350*	16,750*	16,750*	12,400*	12,400*							7,000*	7,000*

10' 5" (3.18 m) Arm with 20' 2" (6.15 m) Boom in Standard Position and 2,110 lb. (960 kg) Bucket (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)														7,250*	7,250*	
+25' 0" (7.5 m)										10,650*	10,650*			6,700*	6,700*	
+20' 0" (6.0 m)										12,150*	12,150*	9,550*	9,550*	6,550*	6,550*	
+15' 0" (4.5 m)					14,700*	14,700*	16,150*	16,150*	13,900*	13,900*	12,000*	12,000*	12,000*	12,000*	6,650*	6,650*
+10' 0" (3.0 m)			37,500*	37,500*	25,800*	25,800*	19,050*	19,050*	15,550*	15,550*	13,200*	13,200*	13,200*	13,200*	6,950*	6,950*
+5' 0" (1.5 m)			15,850*	15,850*	30,200*	30,200*	21,450*	21,450*	16,850*	16,850*	13,900*	13,900*	13,900*	13,900*	7,500*	7,500*
Ground Line			19,000*	19,000*	31,650*	31,650*	22,700*	22,700*	17,550*	17,550*	14,100*	14,100*	14,100*	14,100*	8,350*	8,350*
-5' 0" (1.5 m)	19,350*	19,350*	25,000*	25,000*	31,250*	31,250*	22,700*	22,700*	17,450*	17,450*	13,650*	13,650*	13,650*	13,650*	9,750*	9,750*
-10' 0" (3.0 m)	24,200*	24,200*	33,650*	33,650*	29,400*	29,400*	21,650*	21,650*	16,350*	16,350*	7,620*	7,620*	7,620*	7,620*	12,250*	12,250*
-15' 0" (4.5 m)	32,750*	32,750*	35,250*	35,250*	25,000*	25,000*	18,300*	18,300*	8,590*	8,590*					12,900*	12,900*
-20' 0" (6.0 m)					16,000*	16,000*									12,300*	12,300*

10' 5" (3.18 m) Arm with 20' 2" (6.15 m) Boom in High Lift Position and 2,110 lb. (960 kg) Bucket (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)														7,250*	7,250*	
+25' 0" (7.5 m)										10,650*	10,650*			6,700*	6,700*	
+20' 0" (6.0 m)							15,400*	15,400*	12,150*	12,150*	9,550*	9,550*	6,550*	6,550*	2,980*	2,980*
+15' 0" (4.5 m)					24,850*	24,850*	19,600*	19,600*	15,750*	15,750*	12,000*	12,000*	12,000*	12,000*	6,650*	6,650*
+10' 0" (3.0 m)			44,650*	44,650*	29,800*	29,800*	21,900*	21,900*	17,450*	17,450*	14,350*	14,350*	14,350*	14,350*	6,950*	6,950*
+5' 0" (1.5 m)			15,850*	15,850*	32,150*	32,150*	23,100*	23,100*	17,900*	17,900*	14,350*	14,350*	14,350*	14,350*	7,500*	7,500*
Ground Line			19,000*	19,000*	31,750*	31,750*	23,050*	23,050*	17,700*	17,700*	13,800*	13,800*	13,800*	13,800*	8,350*	8,350*
-5' 0" (1.5 m)	19,350*	19,350*	25,000*	25,000*	29,350*	29,350*	21,750*	21,750*	16,500*	16,500*	11,950*	11,950*	11,950*	11,950*	9,750*	9,750*
-10' 0" (3.0 m)	24,200*	24,200*	32,150*	32,150*	24,500*	24,500*	18,500*	18,500*	13,500*	13,500*	6,370*	6,370*	6,370*	6,370*	9,400*	9,400*
-15' 0" (4.5 m)			20,350*	20,350*	16,750*	16,750*	12,400*	12,400*							7,000*	7,000*

ROAD BUILDER BUCKET SIZES

High-Narrow Undercarriage

Bucket Type	SAE Heaped Capacity		Width Outside Lip		Bucket Weight		Number of Teeth	Arm Length 10' 5" (3.18 m)
	(yd ³)	(m ³)	(in)	(mm)	(lbs)	(kg)		
STDP Standard duty plate	0.80	0.61	24	610	1 285	583	3	H
	1.06	0.81	30	762	1 458	661	4	H
	1.33	1.02	36	914	1 630	739	5	H
	1.61	1.23	42	1 067	1 774	805	5	H
	1.89	1.45	48	1 219	1 918	870	5	H
	2.16	1.65	54	1 372	2 091	948	6	H
	2.43	1.86	60	1 524	2 239	1 016	6	H
HDP Heavy duty plate	0.80	0.61	24	610	1 498	679	3	H
	1.06	0.81	30	762	1 705	773	4	H
	1.33	1.02	36	914	1 873	850	4	H
	1.61	1.23	42	1 067	2 080	943	5	H
	1.89	1.45	48	1 219	2 247	1 019	5	H
	2.16	1.65	54	1 372	2 454	1 113	6	H
	2.43	1.86	60	1 524	2 621	1 189	6	H
XDP Extreme duty plate	0.79	0.60	24	610	2 230	1 012	3	H
	1.05	0.80	30	762	2 528	1 147	4	H
	1.32	1.01	36	914	2 749	1 247	4	H
	1.59	1.22	42	1 067	3 047	1 382	5	H
	1.87	1.43	48	1 219	3 267	1 482	5	H
	2.15	1.64	54	1 372	3 565	1 617	6	H
	2.43	1.86	60	1 524	3 786	1 717	6	H
POWER HDP for use with ESCO multi-pin grabber only	0.76	0.58	24	610	3 025	1 372	3	H
	0.98	0.75	30	762	3 183	1 444	4	H
	1.21	0.93	36	914	3 392	1 539	4	H
	1.44	1.10	42	1 067	3 552	1 611	5	H
	1.68	1.28	48	1 219	3 709	1 682	5	H
	1.91	1.46	54	1 372	3 920	1 778	6	H
DITCH	1.30	0.99	60	1 524	1 767	802	0	H
	1.45	1.11	66	1 676	1 928	875	0	H
	1.59	1.22	72	1 829	2 034	923	0	H

High-Wide Undercarriage

Bucket Type	SAE Heaped Capacity		Width Outside Lip		Bucket Weight		Number of Teeth	Arm Length 10' 5" (3.18 m)
	(yd ³)	(m ³)	(in)	(mm)	(lbs)	(kg)		
STDP Standard duty plate	0.80	0.61	24	610	1 285	583	3	H
	1.06	0.81	30	762	1 458	661	4	H
	1.33	1.02	36	914	1 630	739	5	H
	1.61	1.23	42	1 067	1 774	805	5	H
	1.89	1.45	48	1 219	1 918	870	5	H
	2.16	1.65	54	1 372	2 091	948	6	H
	2.43	1.86	60	1 524	2 239	1 016	6	H
HDP Heavy duty plate	0.80	0.61	24	610	1 498	679	3	H
	1.06	0.81	30	762	1 705	773	4	H
	1.33	1.02	36	914	1 873	850	4	H
	1.61	1.23	42	1 067	2 080	943	5	H
	1.89	1.45	48	1 219	2 247	1 019	5	H
	2.16	1.65	54	1 372	2 454	1 113	6	H
	2.43	1.86	60	1 524	2 621	1 189	6	H
XDP Extreme duty plate	0.79	0.60	24	610	2 230	1 012	3	H
	1.05	0.80	30	762	2 528	1 147	4	H
	1.32	1.01	36	914	2 749	1 247	4	H
	1.59	1.22	42	1 067	3 047	1 382	5	H
	1.87	1.43	48	1 219	3 267	1 482	5	H
	2.15	1.64	54	1 372	3 565	1 617	6	H
	2.43	1.86	60	1 524	3 786	1 717	6	H
POWER HDP for use with ESCO multi-pin grabber only	0.76	0.58	24	610	3 025	1 372	3	H
	0.98	0.75	30	762	3 183	1 444	4	H
	1.21	0.93	36	914	3 392	1 539	4	H
	1.44	1.10	42	1 067	3 552	1 611	5	H
	1.68	1.28	48	1 219	3 709	1 682	5	H
	1.91	1.46	54	1 372	3 920	1 778	6	H
DITCH	1.30	0.99	60	1 524	1 767	802	0	H
	1.45	1.11	66	1 676	1 928	875	0	H
	1.59	1.22	72	1 829	2 034	923	0	H

Approval Code For Arm/Bucket Combinations

H - Heavy material (up to 3,370 lbs./yd ³)
M - Medium material (up to 2,700 lbs./yd ³)
L - Light material (up to 2,020 lbs./yd ³)
N/A - Not applicable



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 w/ 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.



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

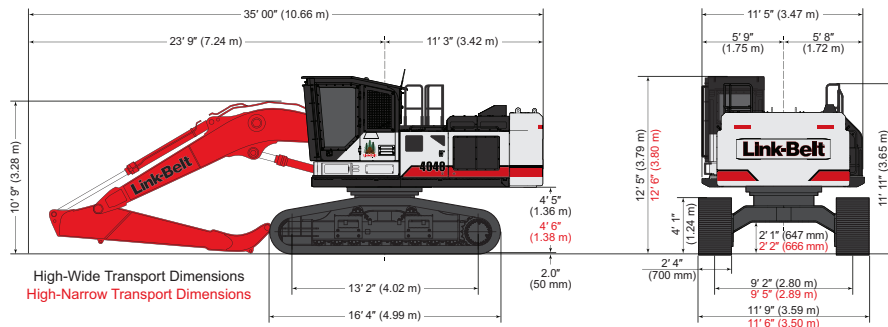
Fuel tank 216 gal. (820 liters)
 Hydraulic tank 39 gal. (147 liters)
 Hydraulic system 79 gal. (300 liters)
 Final drive (per side) 2.5 gal. (9.5 liters)
 Swing drive 1.3 gal. (5.0 liters)
 Engine oil 10.8 gal. (40.9 liters)
 DEF Tank 31.7 gal. (120.0 Liters)
 Cooling system 9.5 gal. (35.9 liters)

Operating Weight - No Tool

Working weight (excluding harvester) with side-entry forestry cab, 12" (305 mm) cab riser, high-narrow undercarriage, 27.5" (700 mm) 2-bar shoes 86,313 lbs (39 151 kg)

Working weight (excluding harvester) with side-entry forestry cab, 12" (305 mm) cab riser, high-wide undercarriage, 27.5" (700 mm) 2-bar shoes 86,313 lbs (39 151 kg)

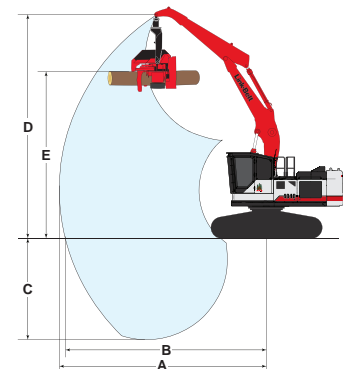
PROCESSOR TRAVEL DIMENSIONS



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"	lbs													11,200*	11,200*
(9.0 m)	kg													5 020*	5 020*
+25' 0"	lbs									11,700*	11,700*			10,300*	10,300*
(7.5 m)	kg									5 750*	5 750*			4 650*	4 650*
+20' 0"	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"	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"	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"	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"	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"	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"	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"	lbs													11,200*	11,200*
(9.0 m)	kg													5 020*	5 020*
+25' 0"	lbs									11,700*	11,700*			10,300*	10,300*
(7.5 m)	kg									5 750*	5 750*			4 650*	4 650*
+20' 0"	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"	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"	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"	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"	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"	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"	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

REMOTE CARE® 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*, 2-year/3,000 hour Engine Warranty (2,000 hrs engine electrical parts), 3-year/5,000 hour Powertrain Warranty, 3-year/10,000 hour XtraStructure Warranty (exclusions apply: scrap, demolition, material handling, severe or extreme duty applications, non-Link-Belt attachments), 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.

**Applies to 2018 or newer serialized models only*



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.

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