SAE Net Horsepower: 177 HP (132 kW) Operating Weight: 56,900 lbs. (25 800 kg) Digging Depth: 22 ft 8 in (6.90 m) Link-Belt 9

EXCAVATORS



PERFORMANCE, PRODUCTIVITY AND RELIABILTY COME STANDARD

Link-Belt X4 Series excavators are built to exceed your expectations. We redesigned the control spools and incorporated spool stroke control (SSC) functions into the hydraulic system to reduce pressure loss and distribute hydraulic oil more smoothly, decreasing cycle times by up to 7%. Expect more power and fuel efficiency, thanks to an innovative Final Tier 4 engine that delivers up to 9% improved fuel consumption, without a Diesel Particulate Filter (DPF) to maintain or replace! Settle in to the roomiest, most accommodating cab in its class, with more legroom and a new high-back, heated seat for shift-long comfort. Daily maintenance is a snap, with ground-level access to all service points, easily opened by hand.



INNOVATION AND ATTENTION TO DETAILS AT EVERY LEVEL



- Three power modes (Speed Priority, Heavy and Applied Power) let you choose the best blend of power, precision and fuel savings for the work you're doing
- Ergonomic joysticks fit your hand perfectly





- EPA Final Tier 4 engine is fuel efficient without sacrificing power
- 7" high-definition LCD monitor keeps you connected to your machine and work environment



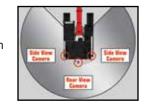


- No DPF to ever worry about!
- 2-3% DEF (Diesel Exhaust Fluid) consumption rate relative to fuel consumption, combined with one of the largest DEF tank capacities lets you work long hours between refills
- RemoteCARE® telematics keeps a watchful eye on performance, maintenance intervals and theft deterrence





- Ground level access to routine. service points lets you cut daily maintenance down to just minutes
- Full-time, rear-view camera display is standard; add the WAVES™ option for a seamless 270° view around the machine





- Quiet, pressurized cab offers excellent visibility and comfortable, best-in-class seating
- Enough floor space to accommodate the largest of work boots, with
- Structural improvements to the boom and arm reduce stress and provide greater durability



- cup holders and roomy storage compartments for cell phones, snacks and other personal items
- plating for longer life

Robust undercarriage features



- Dual cab working lights are standard, or choose optional LEDs for added visibility
- larger track rollers and thicker • Unique side-frame design reduces dirt accumulation and is easier to clean

^{*}All improvements and percentage increases are in reference to Link-Belt X3 Series excavators, unless otherwise stated







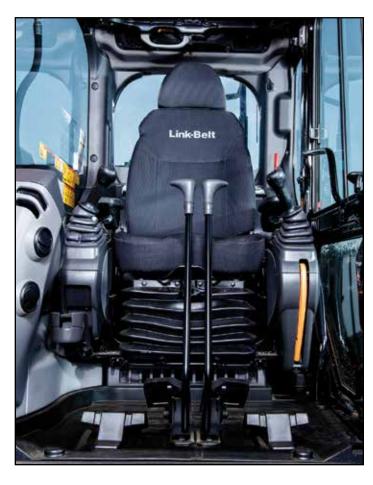
The X4 Series features innovative EPA-certified Final Tier 4 engines from Isuzu that strike the ultimate balance between power, productivity and fuel efficiency. You'll experience up to 5% improved fuel efficiency, without having to worry about costly diesel particulate filters (DPF) to maintain or replace. Three engine modes provide reliable power and control for any machine application. Choose Speed Priority (SP mode) to get jobs done quickly, Heavy (H mode) for the best blend of power and fuel savings or Applied Power (A mode), with 13 different RPM settings for precise control of heavy lifting, fine grading or leveling work.

- EPA-certified Tier 4 Final
- No DPF to maintain
- Up to 9% improved fuel economy
- 500-hr. fuel filters service intervals
- 10 diesel tank refills per 1 diesel exhaust fluid (DEF) refill
- 2-3% DEF consumption rate relative to fuel consumption
- Two-stage DEF anti-freeze system for protection in harsh operating conditions
- 30 hrs. between SCR regenerations, only takes 5-8 minutes to complete!
- VGT (Variable Geometry Turbocharger)
- Standard air pre-cleaner for improved air filtration









The X4 Series offers one of the most advanced and roomiest cabs in its class. Comfortable, automotive-grade high-back seat with head rest provides superior lumbar back support. With a longer and wider seating surface, it reclines to a 155° maximum reclining angle to create a relaxed environment during breaks. Air-suspension seat is standard with tilting adjustment and seat heaters available as options.

The cab layout also includes ergonomically-designed arm rests that move with console, maintaining a constant distance between joysticks and arm rests no matter how the seat is adjusted.

- Quiet, pressurized cab
- Joysticks with easy-to-hold grip and switches
- Convenient 'radio mute' and one touch wiper switch
- Optional proportional joysticks w/auxiliary hydraulics control
- Cup holder and storage areas for cell phones and other small items
- Dual halogen cab lights standard
- Full time rear camera display
- Optional RH & LH side cameras
- ROPS and FOPS Level 1 certified, optional FOPS Level 2 head guard available
- Optional LED lights use less energy and are 3X brighter!
- Optional retractable rear window shade
- Optional front sun visor
- Improved radio with USB port and Bluetooth for hands-free communication.
- Free swing standard





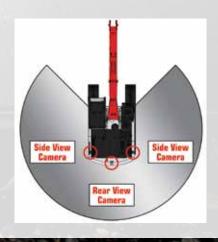


High-Definition LCD monitor has a full-color 7" display that rivals the resolution found in luxury automobiles. Controls are easy to read and easy to use. The rearview camera activates automatically whenever the machine is started, and sight guidelines have been added for increased safety.

- Anti-glare coating on screen
- Track up to 14 service maintenance reminders
- System/machine warning messages
- Monitor SCR auto regeneration
- Select and set up attachments: 5 presets for breakers; 5 presets for crushers
- In-cab flow and pressure controls for auxiliary hydraulics
- Anti-theft system
- Auto-adjusts for time and calendar
- 24 languages available
- Ability to view fuel consumption

WIDE-ANGLE VISUAL ENHANCEMENT SYSTEM

For the ultimate in visibility, X4 machines can be fitted with the Wide Angle Visual Enhancement System - or WAVES for short. Using three closed-circuit cameras, this optional viewing system provides an unbelievable 270° visual coverage around the machine, eliminating any potential blind spots from the operator's line of sight. WAVES images can be displayed on the standard X4 monitor.





GET WORKING FAST WITH EASY ACCESS TO SERVICE POINTS

Maintenance is a snap, with ground level access to all routine service points, including batteries, fuel filters, engine oil filter, dual-element air filter and cab fresh air filter.

- Radiator screens are easy to remove and clean from ground level...no tools needed!
- A/C Condenser tilts for easy cleaning and maintenance
- Easy battery compartment access; 2 hand-turn knobs
- Improved battery disconnect switch with no keys needed
- Convenient ground-level sample ports in pump compartment
- Green drain plug and hose
- · More data collection points

- Automatic door locking mechanism on side door
- Quick and easy access to grease all attachment pivot points
- Grease cylinder track adjusters make adjusting track tension a breeze
- New undercarriage side frame design enables easier cleaning
- In-cab reminders track 14 different maintenance procedures

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 – as well as assisting in DTC notifications. With RemoteCARE you will be able to remotely monitor and track your machine's location, operational performance, and working status. Contact your local Link-Belt dealer for questions.

App features include...

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

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



BUILT STRONG TO HANDLE ANYTHING

X4 machines are more rugged and durable, with robust structural improvements to the boom & arm structures, along with improvements to lower frame and travel components.



Boom & Arm

- Improved boss shapes reduce stress on boom and arm pin
- · Cast boom tip for increased reliability



Lowers

- Thicker travel motor case 32% increase
- 37% longer idler shoulder and hub
- Unique side-frame design reduces dirt accumulation and is easier to clean.
- Track roller diameter increased by 7%



CUSTOMER SUPPORT IS JUST A CALL AWAY

A network of Link-Belt 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.

Exceptional Warranty Coverage

All X4 excavators purchased after July 1, 2020 are backed by a 5-year/5,000- hour Full Machine Warranty, 5-year/10,000- hour Structural Warranty, along with participation in the X4 Fluid Analysis Program for the duration of the warranty (free with all X4 machines). Extended warranty coverage packages are also available.

Contact your dealer for complete details.



SPECIFICATIONS

្លើ Engine

Isuzu AQ-4HK1X Final Tier 4 turbocharged diesel engine with electronic control (ECM) and high pressure common-rail fuel injection, 4-cylinder, water-cooled, Cooled Exhaust Gas Recirculation (CEGR), Intercooler, Variable-Geometry Turbocharger (VGT), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) system with Dosing Control Module and heated DEF lines and tank. Electronic fuel pump and priming, Fuel cooler, Auto-idle start, Auto warm-up, EPF engine protection, dual-stage fuel filtration, remote oil filter, engine oil sample port, green plug oil drain, double element air filter.

SAE J 1349 net horsepower	177 hp (132 kW) @ 2,000 rpm
Displacement	317 cu in (5.2 L)
Maximum Torque	458 lbf-ft (621 Nm) @ 1,800 rpm
Starter	24V-5.0kW
Alternator	50 amp
Battery	(2) 12-volt 92 amp hours
,	\ /

Cab and Controls

ROPS and FOPS Level 1 certified with automatic climate control A/C and heat with defroster, 7" LCD Hi-Definition color monitor with full time rear view camera display, fuel efficiency gauge, low-effort joysticks are pre-wired for auxiliary hydraulics, dual cab lights, control pattern changer, safety glass windows, sunroof with sunshade, shockless cab suspension with four fluid cab mounts, SCM High-Back reclining airsuspension seat, sliding 4-position tilting control consoles, Bluetooth technology, AM/FM sound system with USB and MP3 auxiliary input jack, digital clock, dome light, seat belt, coat hook, cup holder, storage compartments, floor mat, footrests, ashtray, 24V cigarette lighter, 12V outlet, travel alarm, handrails, mirrors, side-entry cab filter, spare parts kit.

Three selectable work modes, RemoteCARE Telematics GPS system, anti-theft password protection system, onboard self-diagnostic system with memory and service interval reminders, auto idling system, one-touch decelerator, auto-idle engine shutdown, auto-power boost, neutral safety start, gate-lock safety shutoff.

Open-center system, two variable-displacement electronically controlled axial-piston pumps and one gear pump for pilot controls, main control valve with one 4-spool section and one 5-spool section with auxiliary spool: stackable, Auxiliary Control System, oil cooler, Auto-Power boost, anti-drift valves, 6 micron return filter, firewall, hydraulic oil sample port.

Hydraulic Pumps

Pump Output	2 x 61.8 gpm (234 L/min)
Pilot Pump Maximum Flow	

Relief Valve Settings

Boom/Arm/Bucket	4,970 psi (34.3 MPa)
in Power Boost	5,410 psi (37.3 MPa)
Swing Circuit	,
Travel Circuit	

Hydraulic Cylinders

	number of cylinders - bore x rod x stroke
Boom	2 - 5.1" x 3.5" x 52.6"
	(130 mm x 90 mm x 1,335 mm)
Arm	1 - 5.7" x 4.1" x 65.4"
	(145 mm x 105 mm x 1,660 mm)
Bucket	5.1" x 3.5" x 42.1"
	(130 mm x 90 mm x 1,070 mm)

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, Mechanical disc swing brake, Auto-power swing.

Swing Speed	10.6 rpm
Tail Swing	
Swing Torque	

COOD Undercarriage

X Pattern carbody with 15' 3"(4.65 m) LC long undercarriage by 8' 6"(2.59 m) track gauge, Sealed and strutted track chain with track guide, Sealed rollers and idlers, Two-speed independent hydrostatic travel with compact planetary final drive, Disc type brakes, Adjustable track tension, Carbody belly pan.

Carrier Rollers	2 per Side
Track Rollers	9 per Side
Track Link Pitch	
Shoes	51 per Side
Shoe Width	31.5"(800 mm)
Ground Pressure	5.51 psi (0.038 MPa)

Travel System

Two-speed independent hydrostatic travel with compact axial-piston motors, Hydraulic motor powered output shaft coupled to a planetary reduction drive and track sprocket, All hydraulic components mounted within the width of side frame, Automatic downshift for high torque to overcome obstacles, Spring-applied hydraulic release parking brake built into each motor, Travel motors equipped with counterbalance valve to prevent over-speeding down an incline, Single-pedal straight line travel.

Travel Speeds	2.2 - 3.4 mph (3.5 - 5.5 km/h)
•	44,962 lbf (200 kN)

Attachment

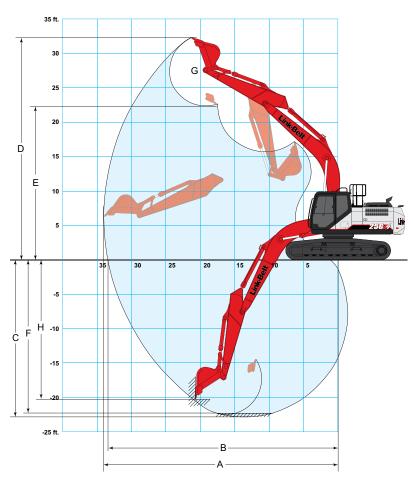
Boom	19' 2"(5.85 m)
Available Arms	Digging Force
• 9' 10"(3.00 m)	
with Auto Power Boost	29,230 lbf (130 kN)
• 8' 2"(2.50 m)	31,700 lbf (141 kN)
with Auto Power Boost	34,400 lbf (153 kN)
• 11' 6"(3.52 m)	24,050 lbf (107 kN)
with Auto Power Boost	26,080 lbf (116 kN)
Bucket Digging Force	36,420 lbf (162 kN)
with Auto Power Boost	39,570 lbf (176 kN)

Lubricant & Coolant Capacity

Fuel Tank	108 Gallons (410.0 Liters)
Hydraulic System	66 Gallons (250.0 Liters)
Hydraulic Tank	
Final Drive (per side)	1.3 Gallons (5.0 Liters)
Swing Drive	
Engine Oil	6.1 Gallons (23.1 Liters)
DEF Tank	31 Gallons (120.0 Liters)
Coolant System	

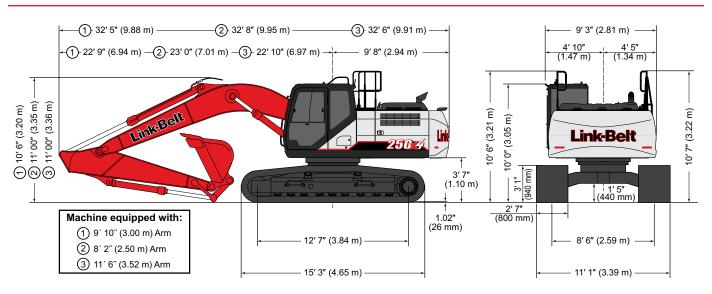
Operating Weight

WORKING RANGE & TRAVEL DIMENSIONS



Machine Equipped with 19' 2" (5.85 m) Boom	Arm	Arm	Arm
	9' 10"	8' 2"	11' 6"
	(3.00 m)	(2.50 m)	(3.52 m)
A. Maximum reach	33' 9"	32' 3"	35' 5"
	(10.28 m)	(9.82 m)	(10.79 m)
B. Maximum reach @ ground level	33' 2"	31' 7"	34' 10"
	(10.10 m)	(9.63 m)	(10.62 m)
C. Maximum dig depth	22' 8"	21' 0"	24' 4"
	(6.90 m)	(6.40 m)	(7.42 m)
D. Maximum dig height	32' 0"	31' 4"	33' 0"
	(9.76 m)	(9.56 m)	(10.07 m)
E. Maximum dump height	22' 2"	21' 6"	23' 2"
	(6.76 m)	(6.55 m)	(7.06 m)
F. Digging depth 8' (2.44 m) level bottom	22' 1"	20' 4"	23' 10"
	(6.74 m)	(6.21 m)	(7.27 m)
G. Bucket rotation	175°	175°	175°
H. Maximum vertical wall depth	20' 2"	18' 8"	21' 11"
	(6.14 m)	(5.70 m)	(6.68 m)

Travel Dimensions



LIFT CAPACITIES

							Radiu	s of Load	l						
	9' 10" (3.00 m) Arm with 19' 2" (5.85 m) Boom and 1,800 lb. (810 kg) Bucket with Power-Boost Applied														
 ■		5' 0" ((1.5 m)	10' 0"	(3.0 m)	15' 0"	(4.5 m)	20' 0"	20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		ax. Reach
End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+25' 0"	lbs									8,700*	8,700*			5,400*	5,400*
(7.5 m)	kg									4 230*	4 230*			2 430*	2 430*
+20' 0"	lbs									10,700*	10,300			5,100*	5,100*
(6.0 m)	kg									4 900*	4 810			2 310*	2 310*
+15' 0"	lbs							13,600*	13,600*	12,450*	10,000	9,250*	7,150	5,050*	5,050*
(4.5 m)	kg							6 300*	6 300*	5 760*	4 670	4 560*	3 350	2 290*	2 290*
+10' 0"	lbs			29,200*	29,200*	21,250*	21,250*	16,400*	13,900	13,900*	9,600	10,500	7,000	5,200*	5,200*
(3.0 m)	kg			13 660*	13 660*	9 880*	9 880*	7 590*	6 460	6 400*	4 470	4 900	3 260	2 360*	2 360*
+5' 0"	lbs			22,500*	22,500*	26,350*	20,500	19,050*	13,100	13,900	9,200	10,300	6,750	5,500*	5,500*
(1.5 m)	kg			9 550*	9 550*	12 230*	9 5 1 0	8 810*	6 090	6 460	4 280	4 790	3 150	2 490*	2 490*
Ground	lbs			21,350*	21,350*	29,200*	19,350	19,350	12,500	13,500	8,850	10,100	6,600	6,000*	6,000*
Line	kg			9 400*	9 400*	13 500*	8 990	9 000	5 810	6 290	4 120	4 700	3 070	2 730*	2 730*
-5' 0"	lbs	20,150*	20,150*	27,050*	27,050*	29,650*	19,000	18,950	12,150	13,300	8,650			6,950*	6,600
(1.5 m)	kg	9 040*	9 040*	12 000*	12 000*	13 700*	8 830	8 820	5 660	6 190	4 030			3 140*	2 990
-10' 0"	lbs	24,850*	24,850*	36,500*	36,500*	28,850*	19,100	19,000	12,250	13,450	8,850			8,550*	7,700
(3.0 m)	kg	11 130*	11 130*	16 120*	16 120*	13 330*	8 890	8 840	5 690	6 250	4 090			3 850*	3 460
-15' 0"	lbs	34,550*	34,550*	37,300*	37,300*	25,750*	19,600	18,650*	12,750					12,000*	9,950
(4.5 m)	kg	15 350*	15 350*	17 320*	17 320*	11 970*	9 110	8 720*	5 890					5 300*	4 430
-20' 0"	lbs			26,200* 12 480*	26,200* 12 480*	17,800* 8 590*	17,800* 8 590*							14,050* 6 150*	14,050*
(6.0 m)	kg			12 400	12 400	0 090	0 090							0 100	6 150*

	Radius of Load 8′ 2″ (2.50 m) Arm with 19′ 2″ (5.85 m) Boom and 1,900 lb. (870 kg) Bucket with Power-Boost Applied														
-					15' 0"	15' 0" (4.5 m) 20' 0" (6.0 m)			25' 0" (7.5 m)		30' 0" (9.0 m)		Cap at Max. Reach		
End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+25' 0" (7.5 m)	lbs kg													7,800 * 3 510*	7,800* 3 510*
+20' 0" (6.0 m)	lbs kg									11,800* 5 440*	10,050 4 690			7,400 * 3 340*	7,400 * 3 340*
+15' 0" (4.5 m)	lbs kg					12,850* 6 360*	12,850 * 6 360*	14,700* 6 780*	14,150 6 570	13,300* 6 140*	9,800 4 550	7,550* 4 440*	6,950 3 250	7,300 * 3 310*	6,900 3 120
+10' 0" (3.0 m)	lbs kg			33,300* 12 750*	33,300* 12 750*	22,400* 10 300*	21,350 9 920	17,300* 8 000*	13,600 6 310	14,050 6 530	9,400 4 370	10,350 4 820	6,800 3 180	7,500 * 3 390*	6,400 2 900
+5' 0" (1.5 m)	lbs kg					26,750* 12 330*	19,950 9 270	19,550 9 090	12,850 5 970	13,700 6 380	9,000 4 190	10,150 4 730	6,650 3 090	7,900 * 3 580*	6,300 2 850
Ground Line	lbs kg			19,600* 8 640*	19,600* 8 640*	29,600* 13 670*	19,050 8 860	19,100 8 900	12,300 5 720	13,400 6 220	8,700 4 060	8,950* 4 670	6,550 3 040	8,600* 3 900*	6,500 2 950
-5' 0" (1.5 m)	lbs kg	22,000* 9 810*	22,000* 9 810*	27,750* 12 270*	27,750* 12 270*	29,450* 13 600*	18,950 8 810	18,900 8 790	12,100 5 620	13,300 6 170	8,650 4 010			9,950* 4 490*	7,200 3 250
-10' 0" (3.0 m)	lbs kg	27,550* 12 310*	27,550* 12 310*	40,300* 17 740*	37,850 17 610	28,050* 12 960*	19,200 8 920	19,050 8 850	12,300 5 700	13,500 6 290	8,850 4 140			12,400* 5 540*	8,550 3 850
-15' 0" (4.5 m)	lbs kg			33,950* 15 780*	33,950* 15 780*	23,850* 11 120*	19,850 9 210	16,700* 7 920*	12,850 5 970*					14,500 * 6 570*	11,550 5 130

			11' 6" (3.5	52 m) Arm	with 19′ 2′	′ (5.85 m)		s of Load		Bucket with	n Power-B	oost Appl	ied		
5' 0"		5' 0" (1.5 m)	.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)		Cap at Max. Reach	
End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+25' 0" (7.5 m)	lbs kg									7,350 * 3 380*	7,350 * 3 380*			4,300 * 1 950*	4,300 * 1 950*
+20' 0" (6.0 m)	lbs kg									9,500* 4 430*	9,500* 4 430*	7,200 * 3 570*	7,200* 3 460	4,100* 1 850*	4,100 * 1 850*
+15' 0" (4.5 m)	lbs kg									11,550 * 5 280*	10,150 4 730	9,300* 4 390*	7,250 3 390	4,050* 1 830*	4,050* 1 830*
+10' 0" (3.0 m)	lbs kg					19,200* 8 920*	19,200* 8 920*	15,250* 7 040*	14,050 6 520	13,000* 5 990*	9,700 4 520	10,550 4 930*	7,000 3 270	4,100* 1 880*	4,100* 1 880*
+5' 0" (1.5 m)	lbs kg			32,550* 13 610*	32,550* 13 610*	24,650 * 11 420*	20,850 9 680	18,100* 8 350*	13,250 6 160	13,950 6 480	9,250 4 300	10,300 4 790	6,750 3 150	4,350 * 1 980*	4,350 * 1 980*
Ground Line		9,750 * 4 370*	9,750* 4 370*	22,450* 9 850*	22,450* 9 850*	28,250* 13 070*	19,500 9 060	19,400* 9 020	12,550 5 820	13,500 6 290	8,850 4 110	10,050 4 680	6,550 3 050	4,750* 2 160*	4,750 * 2 160*
-5' 0" (1.5 m)	lbs kg	17,000* 7 750*	17,000* 7 750*	25,950 * 11 470*	25,950 * 11 470*	29,500* 13 630*	18,850 8 760	18,900 8 790	12,100 5 620	13,200 6 150	8,550 3 990	9,950 4 620	6,450 2 990	5,450 * 2 470*	5,450 * 2 470*
-10' 0" (3.0 m)	lbs kg	22,250* 9 980*	22,250 * 9 980*	33,300 * 14 720*	33,300 * 14 720*	29,100* 13 450*	18,850 8 780	18,800 8 760	12,050 5 600	13,250 6 150	8,600 4 000			6,600 * 2 980*	6,600 * 2 980*
-15' 0" (4.5 m)	lbs kg	32,900* 14 560*	32,900 * 14 560*	39,800 * 18 450*	38,550 17 980*	27,000* 12 510*	19,250 8 940	18,950 8 820	12,400 5 740	12,700* 6 250	8,900 4 150			8,900 * 3 950*	8,450 3 790
-20' 0" (6.0 m)	lbs kg			30,950 * 14 570*	30,950 * 14 570*	21,250 * 10 050*	19,650 9 140	13,850* 6 820*	12,700 5 920					13,200 * 5 970*	12,400 5 450

Notes: Excavator lifting capacities

- 2. Lifting capacities are based on machine standing on firm, uniform supporting surface. User must make allowances for job conditions

 4. Least stable position is over the side. such as soft or uneven ground.
- 1. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.

 3. 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.

 - 5. Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by LBX before operating the machine.
- 6. Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company, LLC.
- 7. Lift capacity ratings are based on ISO 10567, "Earthmoving Machinery - Hydraulic Excavators - Lift Capacity."

TANDARD & UPTIONAL EQUIPMENT

STANDARD EQUIPMENT

- 12V Power Outlet
- AM/FM Sound System
- Anti-Theft Device
- Auxiliary Switches on Control Lever
- Bluetooth
- Cab Filter External
- Cab Handrails
- Cab Interior Light
- Cab ISO-Mounts
- Cab Light (2)
 Clear Roof Window
- Climate Control A/C and Heater
- Cup Holder
- Defroster
- Digital Clock
- Emergency Exit and Hammer
- Face Vent
- Floor Mat.
- FOPS Level 1 Certified
- Front Window One-Touch Lock
- Gate Lock Hydraulic Activation
- Hour Meter (Digital)
- LCD Color Monitor
- Magazine Storage Rack
- Maintenance Interval Reminders
- MP3 Auxiliary Input Jack
- On-Board Diagnostic System
- One-Piece Right Window
- Radio Mute Switch
- Rear View Camera
- Rear View Mirrors (2)
- RemoteCARE Support System (GPS)
- Roof Sun Shade
- ROPS Certified Structure
- Safety Glass Windows
- SCM Air-Suspension Seat
- Seat Recline
- Selectable Monitor Languages • Small Storage
- Travel Alarm with Cancel Switch
- Trip Meter (Digital)
- USB Input
- Wiper & WasherWiper Switch on RH Joystick

ENGINE

• 50A Alternator

DITCH

- Air Filter (Double Element) Air Filter Restriction Indicator
- Air Pre-Cleaner (Cyclone type)
- Auto Warm-Up System

- Auto-Idle Engine Shutdown
- Battery Disconnect Switch w/ LED Light
 Neutral Pump De-Stroke
 CEGR (Cooled Exhaust Gas Recirculation)
 Oil Cooler
- Cooling Fan
- Diesel Oxidation Catalyst (DOC)
- Drain for Fuel Tank
 Dual Remote Fuel Filters with Water Separators
- EGR Coolers
- Emergency Engine Stop
- Engine Idle System
- Engine Oil Sample Port
- Engine Protection Feature
- External Fuel Gauge External DEF Gauge
- Fan Housing
- Fuel Cooler
- Fuel Filter Restriction Indicator
- Fuel Management System Fuel Shut-Off Valve
- Fuel Usage History
- Fuel Usage Monitor
- Glow Plug Pre-Heat
- Idle-Start
- Intercooler
- Neutral Start • One-Touch Idle
- Passive Emissions Regeneration
- Radiator / Oil Cooler / Intercooler Protective Screen
- Remote Engine Oil Drain
 Remote Oil Filter
- Selective Catalytic Reduction (SCR)
 DEF Gauge on Monitor
 VGT Turbocharger

HYDRAULICS

- Anti-Drift Valves
- Arm Regeneration
- Arm Speed Assistance (2 Pump Flow)
- Attachment Cushion Valve
- Auto Swing Priority
- Auxiliary Flow Control
 Auxiliary Tool Settings (Memory)
 Auxiliary Valve
- Boom Regeneration
- Boom Speed Assistance (2 Pump Flow)
- Bucket Curl Assist
- Control Levers Pre-Wired for Auxiliary Hyd.
- Control Pattern Changer (2 way)
 Electronically Controlled Hydraulic Pumps
- Fire Wall
- Free Swing
 Hydraulic Filter Restriction Indicator
- Hydraulic Oil Sample Port

- Long Life Hydraulic Oil (5,000 Hour)

- Power Boost
- Power Save
- Pressure Reading on Monitor

- Pump Stand-By PressureSingle Pedal TravelStraight Travel Circuit

UNDERCARRIAGE

- 800 mm (31.5" in) 3-Bar Steel Grousers
- Carbody Belly Pan (Swivel Guarding)
 Center Track Guide (single)
- Lashing Points (Tie-Downs)
- Long Undercarriage Sealed Link Chain
- Steps
- Strutted Track Chain
- X-Pattern Carbody

UPPERSTRUCTURE

- Belly Pans
- Center Cover (Over Main CV)
- Fuel Tank Belly Pan
- Hand Rail (RH access)
- ISO Guard Rails
- Lifting Eyes for Counterweight
 Lockable Fuel Cap and Service Doors
- Lockable Tool Box
- Turntable Tub • Work Lights (Boom and Tool Box)

ATTACHMENT

- 19' 2" (5.85 m) Main Boom Section
- Auxiliary Pipe Brackets
- Boom Work Light
- Bucket Anti-Clatter Device
- Chrome Pins Easy Maintenance System (EMS)
- Remote Lube Bank
- Teardrop Pin Retention Keepers

- PARTS KIT
- Bucket Anti-Clatter Device Engine Manual
- Engine Oil Filter
- Filter Wrench
- Fuel Filters Grease Gun
- Green Plug Drain Hose for Engine Oil Drain
 Hydraulic Return Filter
- Ignition Keys
- Pilot Circuit Hydraulic Filter
- Rearview Mirrors • Work Light for Boom

OPTIONAL EQUIPMENT

- 270° WAVES™ Camera System
- Cab Light (2 LED)
- Cab Sun Screen (rear)
- FOPS Head Guard (Level 2)
- Front Guard (Mesh)
- Front Guard (OPG 1,2)
 LED Light Kit for Side Camera (1)
- LED Lights for Rear Camera (2)
- Rain Deflector
- SCM Air-Suspension Seat with Tilt & Heater

ENGINE

- 85A Alternator
- Refuel Pump
 Reversible Cooling Fan
- Tropical Package

HYDRAULICS

- Hose Burst Check Valve

Proportional Hydraulic Controls

- **AUXILIARY HYDRAULIC OPTIONS** • Single-Acting Aux. w/ Proportional Joysticks
- Multi-Function Aux. w/ in-cab pressure setting control
- Thumb Aux. w/ Proportional Joysticks
- Combination Áux. w/ in-cab pressure setting control

UNDERCARRIAGE

- 600 mm (23.5" in) 3-Bar Steel Grousers
- 700 mm (27.5" in) 3-Bar Steel Grousers • Center Track Guide (triple)
- **UPPERSTRUCTURE**
- Rubber Bumper Guards
- · Side Guards (Full-length, welded,
- triangulated steel) ATTACHMENT
- 8' 2" (2.50 m) Short Arm 9' 10" (3.00 m) Arm 11' 6" (3.52 m) Arm
- HD Bucket Linkage • Quick Couplers Thumbs

Addo Idio	
Bucket	Sizes

Bucket	SA Heaped (Width Outside Lip		Bucket Weight		Number of	Arm Length 8' 2" 9' 10" 11' 6"		
Type	(yd³)	(m³)	(in)	(mm)	(lbs)	(kg)	Teeth	2.50 m	3.00 m	3.50 m
STDP Standard duty plate	0.80 1.06 1.33 1.61 1.89 2.16 2.43	0.61 0.81 1.02 1.23 1.45 1.65 1.86	24 30 36 42 48 54 60	610 762 914 1067 1219 1372 1524	1285 1458 1630 1774 1918 2091 2239	583 661 739 805 870 948 1016	3455566	HHHMLL	H H M M L L	H H H M L L/A
HDP Heavy duty plate	0.80 1.06 1.33 1.61 1.89 2.16 2.43	0.61 0.81 1.02 1.23 1.45 1.65 1.86	24 30 36 42 48 54 60	610 762 914 1067 1219 1372 1524	1498 1705 1873 2080 2247 2454 2621	679 773 850 943 1019 1113 1189	3445566	H H H M L L	H H M L L N/A	H H M N/A N/A
XDP Extreme duty plate	0.79 1.05 1.32 1.59 1.87 2.15 2.43	0.60 0.80 1.01 1.22 1.43 1.64 1.86	24 30 36 42 48 54 60	610 762 914 1067 1219 1372 1524	2230 2528 2749 3047 3267 3565 3786	1012 1147 1247 1382 1482 1617 1717	3445566	H H H M L L N/A	H H M L N/A N/A	H H M L N/A N/A N/A
POWER HDP for use with ESCO multi-pin grabber only	0.76 0.98 1.21 1.44 1.68 1.91	0.58 0.75 0.93 1.10 1.28 1.46	24 30 36 42 48 54	610 762 914 1067 1219 1372	3025 3183 3392 3552 3709 3920	1372 1444 1539 1611 1682 1778	344556		H H M L L	H M L N/A N/A

Approval Code For Arm/Bucket Combinations						
H	Heavy material (up to 3,370 lbs./yd³)					
M	Medium material (up to 2,700 lbs./yd³)					
L	Light material (up to 2,020 lbs./yd³)					
N/A	Not applicable					

STDP Standard duty plate HDPHeavy duty plate XDP..... Extreme duty plate POWER ... HDP for use with ESCO multi-pin grabber only