Link-Belt
EXCAVATORS

80 X3

SPECIFICATIONS

SAE Net Horsepower: 54 HP (40 kW)
Operating Weight: 18,900 lbs. (8 590 kg)
Digging Depth: 13 ft. 9 in. (4.18 m)

McDowell Since 1968
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Cab

The Link-Belt X3 cab is the strongest and roomiest we have ever offered. The X3 cab is ROPS and FOPS Level 1 certified and is designed to be strong and safe without sacrificing operator comfort. These improvements leave plenty of room to rest work boots on the two foot rests on either side of the travel pedals.



Roomy
- 8% larger than X2 series cab
- 6% more floor space

Strong
- ROPS and FOPS Level 1 certified

Comfortable
- Fully-adjustable KAB seat in the 145 X3 and 235 X3, forward/backward, up/down
- Seat slides independently of console
- Adjustable arm rest angles, lumbar support, suspension

Optimum Visibility
- Sunroof with sunshade rated FOPS level 1
- Additional mirrors
- Standard rearview camera
- Wiper blade stores off front glass

Ergonomic Joysticks
- Low-effort
- Pre-wired for auxiliary hydraulics
- Function buttons for wiper swipe, horn, radio mute and one-touch idle
- Large, easy-to-push triggers

Quiet
- Pressurized cab
- 8% stronger climate control system with 8 vents
- Auxiliary sound jack to enjoy music or podcasts

Organized
- Logically located switches and controls
- Accessible 12V outlet for cell phone charging
- Cup holder
- Handy phone storage areas
- Removable ashtray; empty space can be used as an additional cup holder



High-Definition 7” LCD Monitor

The Link-Belt X3’s are equipped with an all new High-Definition LCD monitor. The full-color 7-inch monitor is one of the largest in the industry and rivals the resolution and quality found in luxury automobiles.

The X3’s user-friendly monitor panel includes an engine-idle shutdown option that safely shuts off the engine after 3 minutes of idling, conserving fuel. Another idle feature accessible from the monitor panel is the auto-idle feature that, when selected, takes the engine speed down to an idle level, conserving fuel while waiting for that next truck to show up.



In-Cab Control

- Select and set up attachments
- Track or monitor up to 13 service interval reminders
- Engine idle shutdown, which, when selected, safely shuts off the engine after 3 minutes of idling to conserve fuel
- Adjust hydraulic flow
- 18 languages available

Monitor

- Fuel consumption gauge
- Full color display of standard rear view camera AND optional side-view camera on the same screen
- Monitor engine coolant and hydraulic oil temperatures
- Displays fuel level, travel mode, work mode and attachment mode
- System/Machine warning messages
- Work tool settings





A standard rear-view camera displays a panoramic view of the worksite from the rear of the machine, an optional side-view camera is available.



From the Computer Menu, you can change the monitor language, program service reminders and change auxiliary settings for flow to name a few.

Engine



The 80 X3 Spin Ace is powered by a quiet, EPA-certified Final Tier 4 Isuzu engine that strikes the ultimate balance between power, productivity and fuel efficiency...without the need for a Diesel Particulate Filter (DPF)



The X3 has three engine work modes to give the operator full control of the machine for the job at hand:

- **Speed Priority (SP mode)** is the fastest and most productive mode giving the operator peak machine performance to get the job done quickly.
- **Heavy (H mode)** is a perfect combination of fuel efficiency and productivity. It really is the best of both worlds!
- **Applied Power (A mode)** gives the operator 13 different engine rpm settings to choose from to easily fine tune the machine to the specific job at hand. This mode is perfect for heavy lifting, fine grading or leveling work, and pipeline contractors use it to safely set pipe down into the trench.



Intelligent Design

- Quiet
- Long-lasting
- One-touch idle and auto idle functions conserve fuel
- Idle start protects a cold engine from over-revving
- Auto engine warm up feature gradually increases engine speed until normal operating temperature is achieved

Hydraulics

Link-Belt X3 excavators are equipped with two Kawasaki variable-displacement axial-piston pumps and one Kawasaki gear pump installed in-line with the engine. This is the most efficient hydraulic pump layout -- keeping engine rpm's low while producing plenty of hydraulic muscle.



The X3 uses an open center hydraulic system which refers to the open passage in the control valve that allows the hydraulic oil to return to tank when the control valve is centered. This design gives the machine a much smoother feeling when operating and also eliminates excess pressure throughout the system, which, in turn, helps to conserve fuel.

Powerful & Productive

- More speed through larger hydraulic lines
- Improved oil regeneration circuits

Safe

- Boom and arm holding valves
- Standard hydraulic control pattern change valve to move between ISO and SAE

Long-lasting

- Continuous filtration of 5000-hour hydraulic oil through a 6 micron, full-flow return filter
- Less wear due to reduced back pressure



Serviceability

Easy to maintain

- Ground level access to:
  - ✓ Batteries
  - ✓ Dual fuel filters with water separators
  - ✓ Engine oil filter
  - ✓ Dual element air filter
  - ✓ Cab fresh air filter
- Green drain plug and hose
- Easy-open engine hood
- Easy-access in-cab fuse box accessible while seated in cab seat
- Side-by-side oil cooler/radiator design is easy to clean
- Quick and easy access to grease all attachment pivot points
- Grease cylinder track adjusters make adjusting track tension a breeze

Maintenance reminders

- In-cab monitor will track 13 different serviceable items:
  - ✓ 5 reminders for engine items
  - ✓ 5 for hydraulic items
  - ✓ 3 other reminders

Simple

- Flexible and heat-resistant color-coded wiring harnesses
- External fuel site gauge can be viewed from ground-level to see fuel levels
- Lube and maintenance charts posted inside toolbox for readability and protection from the elements

Performance

Improvements and Optimizations

- Up to 15% increased lift capacity over previous series
- Up to 18% better fuel efficiency than previous series
- Up to 8% faster cycle times
- Time will be saved in switching out the attachment tools via the in-cab monitor











Innovation at Work

RemoteCARE

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 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 & tablet.

Durability

LBX built the Link-Belt X3 Spin Ace series to last, and they come with one of the best standard warranties in the industry. We back our machines with a 5-year/5,000- hour Full Machine Warranty, 5-year/10,000- hour Structural Warranty, along with participation in the X3 Fluid Analysis Program for the duration of the warranty. Visit lbxco.com/warranty for exact terms and details. Extended warranty coverage packages are also available.



EMS (Extended Maintenance System) chrome pins and grease impregnated brass bushings with graphite inserts reduce wear-and-tear and can be found throughout the attachment. This design makes it possible to extend lube intervals to 6 months or 1,000 hours at all pivot points excluding the bucket which is monthly or 250 hours, whichever comes first.

Strong

- All booms and arms are ultrasound tested at the factory
- X-Pattern carbody made with high tensile strength steel
- Turntable bearing tub extends through the carbody and is welded on top and bottom
- Factory standard belly pan guard
- D-channel sideframes provide excellent impact resistance
- Cab is FOPS level 1 and ROPS certified
- Thicker steel plating on the attachment



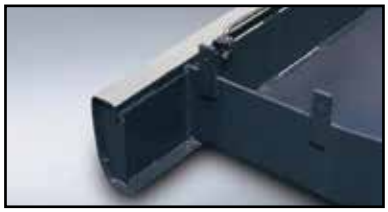
X-Pattern carbody



Turntable bearing tub

Options

- Pre-existing mounting bosses make adding additional guarding easy
- Rubber bumper guarding



D-channel sideframes



Specifications

Engine

Isuzu AP-4LE2X 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), Turbocharger, Intercooler, Diesel Oxidation Catalyst (DOC), Electronic fuel pump and priming, Fuel cooler, Auto-idle start, Auto warm-up, EPF engine protection, Dual-stage fuel filtration, In-cab fuel filter restriction indicator, Remote oil filter, Green plug oil drain, Double element air filter, Spark arrest muffler, Battery disconnect switch.

SAE net horsepower ..... 54 hp (40 kW) @ 2,000 rpm
Displacement ..... 133 cu in (2.2 L)
Maximum Torque ..... 142 lbf-ft (193 Nm) @ 1,800 rpm
Starter ..... 24V-3.2 kW
Alternator ..... 50 amp
Battery ..... (2) 12-volt 64 amp hours

Cab and Controls

ROPS certified cab with climate control A/C and heat with defroster, Control panel with LCD Hi-Definition color monitor, Rearview camera display, Fuel-efficiency gauge, Low-effort joysticks pre-wired for auxiliary hydraulics, Control pattern changer, Safety glass windows, Sunroof with sunshade, Shockless cab suspension with four fluid mountings, SCM reclining suspension seat, AM/FM sound system with MP3 auxiliary input jack, Digital clock, Dome light, Seat belt, Coat hook, Cup holder, Storage compartments, Floor mat, Footrests, 12-volt outlet, Travel alarm, Handrails, Mirrors, Cab light, Side-entry cab filter, Spare parts kit.

Three selectable working modes, Anti-theft password protection system, On-board self-diagnostic system with memory and service interval reminders, Auto-idling system, One-touch decelerator, Auto-idle engine shutdown, Neutral safety start, Gate-lock safety shutoff.

A/C Rating ..... 20,080 BTU/h
Heater Rating ..... 21,030 BTU/h
Sound Level - Cab Interior ..... 70.0 dB(A)
Sound Level - Exterior ..... 100.0 dB(A)

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 ..... 10.4 rpm
Tail Swing ..... 5′ 6″ (1.68 m)
Swing Torque ..... 12,500 lbf-ft (17.0 kNm)

Hydraulic System

Open-center system, Two variable-displacement 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, One-spool valve for blade, Auxiliary Control System, Oil cooler, Boom anti-drift valve, 6 micron return filter, Firewall.

Hydraulic Pumps

Pump Output ..... 2 x 19.6 gpm (74 L/min)
Pilot Pump Max. Flow ..... 4.8 gpm (18 L/min)
Blade Pump Max. Flow ..... 9.4 gpm (35.4 L/min)

Relief Valve Settings

Boom/Arm/Bucket ..... 4,260 psi (29.4 MPa)
Swing Circuit ..... 3,280 psi (22.6 MPa)
Pilot Pump Working
Circuit Pressure ..... 570 psi (3.9 MPa)
Blade Pump Working
Circuit Pressure ..... 3,410 psi (23.5 MPa)
Travel Circuit ..... 4,260 psi (29.4 MPa)

Hydraulic Cylinders

number of cylinders - bore x rod x stroke
Boom ..... 1 - 4.5″x 2.9″ x 33.5″ (115 mm x 75 mm x 850 mm)
Arm ..... 1 - 3.9″ x 2.5″ x 29.7″ (100 mm x 65 mm x 755 mm)
Boom Swing ..... 1 - 3.7″ x 2.2″ x 26.6″ (95 mm x 55 mm x 675 mm)
Bucket ..... 1 - 3.3″ x 2.2″ x 26.2″ (85 mm x 55 mm x 665 mm)
Blade ..... 1 - 4.3″ x 2.8″ x 7.1″ (110 mm x 70 mm x 180 mm)

Undercarriage

X Pattern carbody with dozer blade, 6′ 2″ (1.87 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 ..... 1 per Side
Track Rollers ..... 5 per Side
Track Link Pitch ..... 6.06″ (154 mm)
Shoes ..... 39 per Side
Shoe Width ..... 17.7″ (450 mm)
Ground Pressure ..... 5.51 psi (0.38 Bar)

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.

Travel Speeds ..... 2.0 - 3.2 mph (3.2 - 5.1 km/h)
Drawbar Pull ..... 13,400 lbf (59.5 kN)
Gradeability ..... 70% (35°)

Attachment

Boom ..... 11′ 6″ (3.50 m)

Available Arms (Excavator) **Digging Force**

- 5′ 7″ (1.69 m) ..... 8,880 lbf (39.5 kN)
- 7′ 2″ (2.19 m) ..... 7,600 lbf (33.8 kN)

Bucket Digging Force ..... 12,800 lbf (56.9 kN)

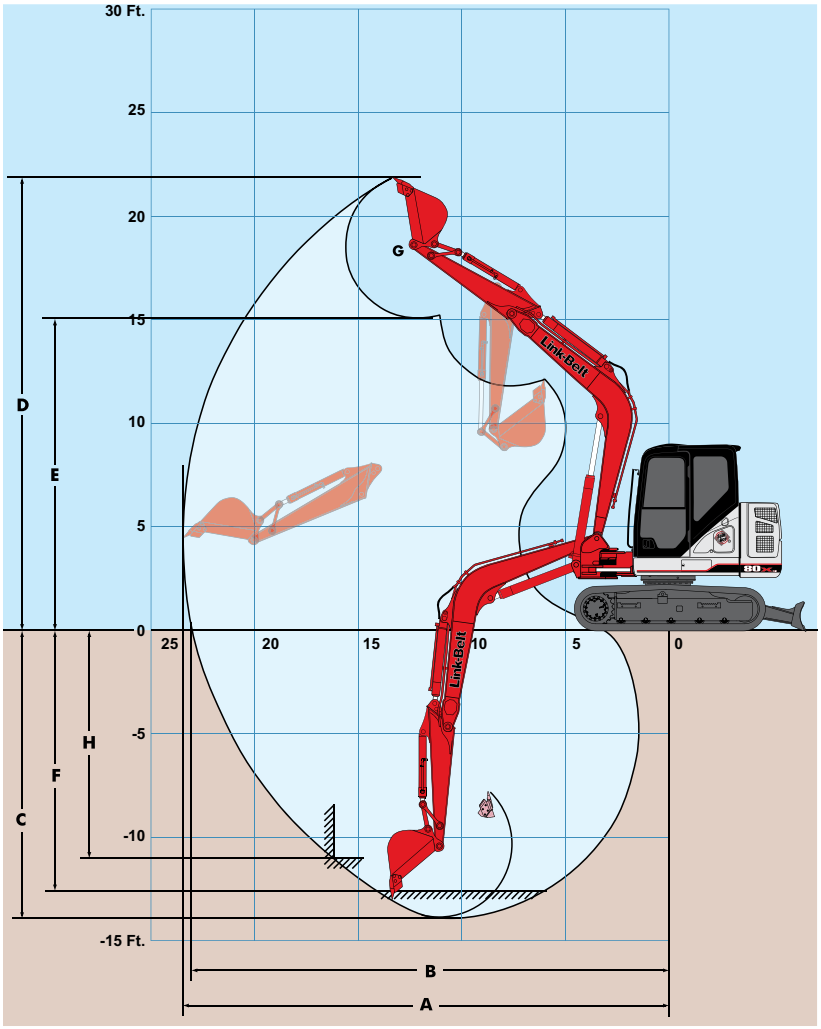
Lubricant and Coolant Capacity

Fuel Tank ..... 31.7 Gallons (120.0 Liters)
Hydraulic System ..... 25.4 Gallons (96.3 Liters)
Hydraulic Tank ..... 13.5 Gallons (51.0 Liters)
Final Drive (per side) ..... 0.3 Gallons (1.1 Liters)
Engine Oil ..... 3.0 Gallons (11.5 Liters)
Coolant System ..... 3.2 Gallons (12.2 Liters)

Operating Weight

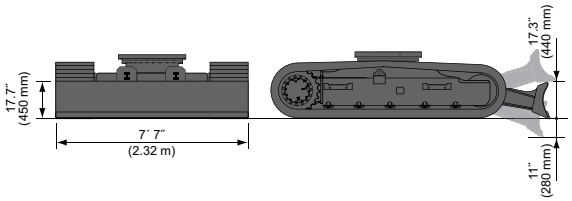
Swing Boom Excavator - Working weight with blade, 17.7″ (450 mm) shoes, 11′ 6″ (3.50 m) boom, 5′ 7″ (1.69 m) arm, 460 lb. (210 kg) bucket, 2,430 lbs (1 100 kg) counterweight
..... 18,900 lbs. (8 590 kg)

Working Ranges

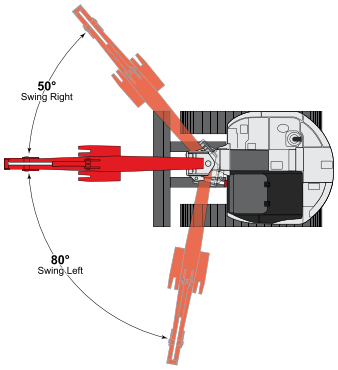


Machine Equipped with 11′ 6″ (3.50 m) Boom	Arm 5′ 7″ (1.69 m)	Arm 7′ 2″ (2.19 m)
A. Maximum reach	23′ 3″ (7.09 m)	24′ 10″ (7.56 m)
B. Maximum reach @ ground level	22′ 9″ (6.94 m)	24′ 4″ (7.42 m)
C. Maximum dig depth	13′ 9″ (4.18 m)	15′ 4″ (4.67 m)
D. Maximum dig height	21′ 7″ (6.57 m)	22′ 7″ (6.89 m)
E. Maximum dump height	14′ 10″ (4.53 m)	15′ 11″ (4.85 m)
F. Digging depth 8′ (2.44 m) level bottom	12′ 6″ (3.81 m)	14′ 4″ (4.36 m)
G. Bucket rotation	177°	177°
H. Maximum vertical wall depth	10′ 11″ (3.35 m)	12′ 10″ (3.92 m)

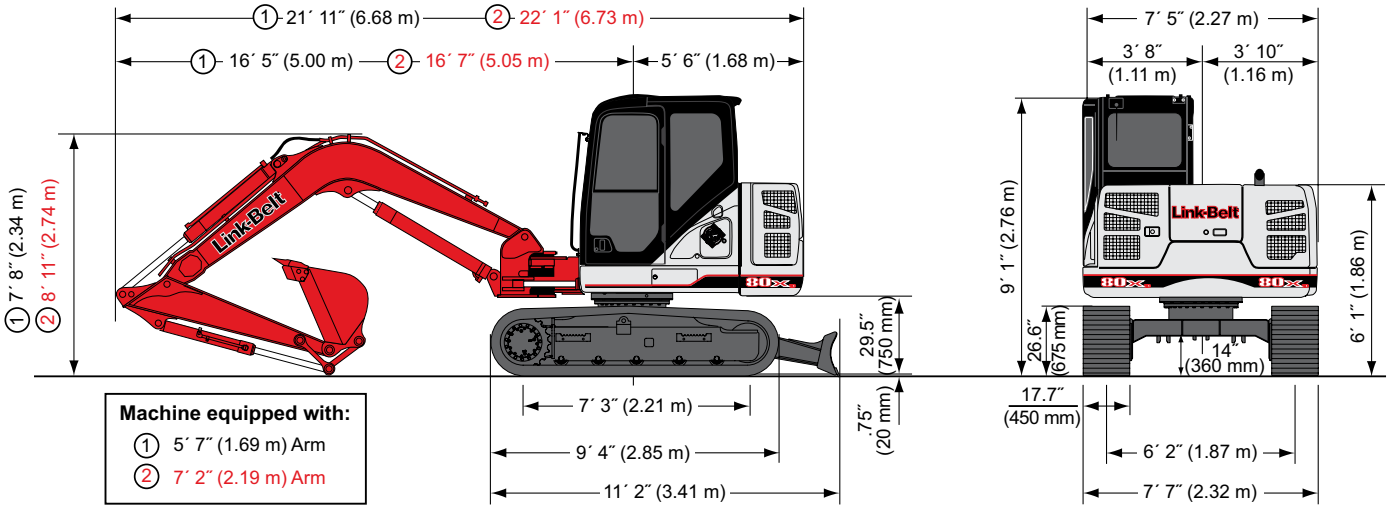
Blade Dimensions



Swing Boom



Travel Dimensions



Lifting Capacities - ISO Ratings

Radius of Load - Swing Boom with Blade Down
5´ 7˝ (1.69 m) Arm with 11´ 6˝ (3.50 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied

		5´ 0˝ (1.5 m)		10´ 0˝ (3.0 m)		15´ 0˝ (4.5 m)		20´ 0˝ (6.0 m)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side
+15´ 0˝	**lbs**					**3,700***	**3,700***			**2,450***	**2,450***
(4.5 m)	kg					1 680*	1 680*			1 100*	1 100*
+10´ 0˝	**lbs**					**4,400***	**4,000**	**3,800***	**2,500**	**2,400***	**2,150**
(3.0 m)	kg					2 060*	1 850	1 750*	1 150	1 080*	960
+5´ 0˝	**lbs**			**10,050***	**6,950**	**6,050***	**3,750**	**4,400***	**2,400**	**2,550***	**1,950**
(1.5 m)	kg			4 740*	3 230	2 810*	1 740	2 020*	1 110	1 160*	900
Ground	**lbs**			**8,700***	**6,500**	**6,900***	**3,550**	**4,650***	**2,300**	**2,950***	**2,050**
Line	kg			3 770*	3 020	3 190*	1 650	2 150*	1 070	1 350*	930
-5´ 0˝	**lbs**	**7,350***	**7,350***	**11,700***	**6,600**	**6,700***	**3,500**			**4,050***	**2,450**
(1.5 m)	kg	3 300*	3 300*	5 440*	3 070	3 120*	1 630			1 820*	1 110
-10´ 0˝	**lbs**			**8,450***	**6,750**					**4,650***	**3,800**
(3.0 m)	kg			3 980*	3 150					2 110*	1 690

Radius of Load - Swing Boom with Blade Up
5´ 7˝ (1.69 m) Arm with 11´ 6˝ (3.50 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied

		5´ 0˝ (1.5 m)		10´ 0˝ (3.0 m)		15´ 0˝ (4.5 m)		20´ 0˝ (6.0 m)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side
+15´ 0˝	**lbs**					**3,700***	**3,700***			**2,450***	**2,450***
(4.5 m)	kg					1 680*	1 680*			1 100*	1 100*
+10´ 0˝	**lbs**					**4,200**	**3,850**	**2,600**	**2,400**	**2,250**	**2,050**
(3.0 m)	kg					1 950	1 780	1 210	1 110	1 010	920
+5´ 0˝	**lbs**			**7,500**	**6,650**	**3,950**	**3,600**	**2,500**	**2,300**	**2,050**	**1,900**
(1.5 m)	kg			3 470	3 080	1 840	1 670	1 170	1 060	940	860
Ground	**lbs**			**7,000**	**6,200**	**3,750**	**3,400**	**2,450**	**2,200**	**2,150**	**1,950**
Line	kg			3 250	2 880	1 750	1 580	1 130	1 030	980	890
-5´ 0˝	**lbs**	**7,350***	**7,350***	**7,100**	**6,300**	**3,700**	**3,350**			**2,600**	**2,350**
(1.5 m)	kg	3 300*	3 300*	3 310	2 920	1 730	1 560			1 170	1 070
-10´ 0˝	**lbs**			**7,250**	**6,500**					**4,050**	**3,650**
(3.0 m)	kg			3 380	3 010					1 790	1 620

Radius of Load - Swing Boom with Blade Down
7´ 2˝ (2.19 m) Arm with 11´ 6˝ (3.50 m) Boom and 400 lb. (190 kg) Bucket with Power-Boost Applied

		5´ 0˝ (1.5 m)		10´ 0˝ (3.0 m)		15´ 0˝ (4.5 m)		20´ 0˝ (6.0 m)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side
+20´ 0˝	**lbs**									**2,450***	**2,450***
(6.0 m)	kg									1 090*	1 090*
+15´ 0˝	**lbs**							**3,000***	**2,600**	**2,100***	**2,100***
(4.5 m)	kg							1 380*	1 210	950*	950*
+10´ 0˝	**lbs**					**3,700***	**3,700***	**3,550***	**2,550**	**2,050***	**1,900**
(3.0 m)	kg					1 700*	1 700*	1 650*	1 180	930*	860
+5´ 0˝	**lbs**			**8,450***	**7,200**	**5,550***	**3,850**	**4,100***	**2,400**	**2,200***	**1,800**
(1.5 m)	kg			3 970*	3 350	2 580*	1 780	1 900*	1 130	990*	810
Ground	**lbs**			**9,350***	**6,600**	**6,700***	**3,600**	**4,600***	**2,300**	**2,500***	**1,850**
Line	kg			4 020*	3 060	3 120*	1 670	2 130*	1 080	1 130*	840
-5´ 0˝	**lbs**	**6,050***	**6,050***	**11,750***	**6,500**	**6,850***	**3,500**	**4,500***	**2,300**	**3,250***	**2,150**
(1.5 m)	kg	2 720*	2 720*	5 120*	3 040	3 170*	1 620	2 100*	1 070	1 460*	970
-10´ 0˝	**lbs**	**10,900***	**10,900***	**9,950***	**6,700**	**5,650***	**3,600**			**4,400***	**3,000**
(3.0 m)	kg	4 820*	4 820*	4 670*	3 120	2 670*	1 680			2 000*	1 330

Radius of Load - Swing Boom with Blade Up
7´ 2˝ (2.19 m) Arm with 11´ 6˝ (3.50 m) Boom and 400 lb. (190 kg) Bucket with Power-Boost Applied

		5´ 0˝ (1.5 m)		10´ 0˝ (3.0 m)		15´ 0˝ (4.5 m)		20´ 0˝ (6.0 m)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side
+20´ 0˝	**lbs**									**2,450***	**2,450***
(6.0 m)	kg									1 090*	1 090*
+15´ 0˝	**lbs**							**2,700**	**2,500**	**2,100***	**2,100***
(4.5 m)	kg							1 270	1 160	950*	950*
+10´ 0˝	**lbs**					**3,700***	**3,700***	**2,650**	**2,450**	**2 000**	**1 850**
(3.0 m)	kg					1 700*	1 700*	1 240	1 130	910	830
+5´ 0˝	**lbs**			**7,750**	**6,900**	**4,050**	**3,650**	**2,550**	**2,300**	**1,850**	**1,700**
(1.5 m)	kg			3 600	3 200	1 880	1 710	1 180	1 080	850	770
Ground	**lbs**			**7,100**	**6,250**	**3,800**	**3,450**	**2,450**	**2,200**	**1,950**	**1,750**
Line	kg			3 300	2 910	1 760	1 590	1 130	1 030	880	800
-5´ 0˝	**lbs**	**6,050***	**6,050***	**7,050**	**6,200**	**3,700**	**3,350**	**2,400**	**2,200**	**2,250**	**2,050**
(1.5 m)	kg	2 720*	2 720*	3 270	2 890	1 720	1 550	1 120	1 020	1 020	930
-10´ 0˝	**lbs**	**10,900***	**10,900***	**7,200**	**6,400**	**3,850**	**3,450**			**3,150**	**2,850**
(3.0 m)	kg	4 820*	4 820*	3 360*	2 970	1 770	1 600			1 410	1 280

Notes: Excavator lifting capacities

1. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
2. 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.
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.
4. Least stable position is over the side.
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."

80X3

Standard Equipment

CAB

- 12V Power Outlet
- AM/FM Sound System
- Anti-Theft Device
- Auxiliary Switches on Control Lever
- Cab Exterior Light Harness
- Cab Filter - External
- Cab Handrails
- Cab Interior Light
- Cab Iso-Mounts
- Cab Light (1)
- Clear Roof Window
- Climate Control A/C and Heater
- Cup Holder
- Defroster
- Digital Clock
- ECO Gauge
- Emergency Exit and Hammer
- Face Vent
- Floor Mat
- FOPS Level 1 Certified
- Front Window One-Touch Lock
- Gate Lock Hydraulic Activation
- Horn
- 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
- RemoteCARE™ Telematics System (6-yr subscription)
- Roof Sun Shade
- ROPS Certified
- Safety Glass Windows
- SCM Suspension Seat
- Seat Recline
- Selectable Monitor Languages
- Small Storage
- Travel Alarm with Cancel Switch
- Trip Meter (Digital)
- Wiper & Washer
- Wiper Switch on RH Joystick

ENGINE

- Air Filter (Double Element)
- Air Filter Restriction Indicator
- Auto Warm-Up System
- Auto-Idle
- Auto-Idle Engine Shutdown
- Battery Disconnect Switch
- Cooling Fan
- Diesel Oxidation Catalyst (DOC)
- Drain for Fuel Tank
- Dual Remote Fuel Filters with Water Separators
- EGR Cooler
- Emergency Engine Stop
- Engine Idle System
- Engine Protection Feature
- Fan Housing
- Fuel Cooler
- Fuel Filter Restriction Indicator
- Fuel Management System
- Fuel Shut-Off Valve
- Fuel Usage Monitor
- Glow Plug Pre-Heat
- Idle-Start
- Intercooler
- Neutral Start
- One-Touch Idle
- Radiator / Oil Cooler Protective Screen
- Remote Engine Oil Drain
- Remote Oil Filter
- Spark Arrestor Muffler
- Turbocharger with Heat Shield

HYDRAULICS

- Anti-Drift Valve (Boom)
- 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)
- Fire Wall
- Hydraulic Filter Restriction Indicator
- Long Life Hydraulic Oil (5,000 Hour)
- Neutral Pump De-Stroke
- Oil Cooler
- Pump Stand-By Pressure

UNDERCARRIAGE

- 4 Lashing Points (Tie-Downs)
- 7′ 7″ (2.32 m) Hydraulically Controlled Dozer Blade
- Carbody Belly Pan (Swivel Guarding)
- Sealed Link Chain
- Steps
- Strutted Track Chain
- Track Roller Guide (Single)
- X-Pattern Carbody

UPPERSTRUCTURE

- Belly Pans
- Center Cover (Over Main CV)
- Fuel Tank Belly Pan
- Lockable Fuel Cap and Service Doors
- Lockable Tool Box
- Turntable Tub
- Work Lights (Boom and Cab)

ATTACHMENT

- Auxiliary Pipe Brackets
- Boom Work Light
- Bucket Anti-Clatter Device
- Chrome Pins
- Easy Maintenance System (EMS)
- Remote Lube Bank
- Teardrop Pin Retention Keepers

ATTACHMENT OPTIONS - SWING BOOM

- 11′ 6″ (3.50 m) Main Boom Section

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

Optional Equipment

CAB

- Cab Light (Additional)
- FOPS Head Guard (Level 2)
- Front Guard (Mesh)
- Front Guard (OPG 1,2)

HYDRAULICS

- Hose Burst Check Valve

AUXILIARY HYDRAULIC OPTIONS - SWING BOOM

- Single-Acting Auxiliary with Pedal Activation
- Single-Acting Auxiliary with Proportional Joysticks
- Multi-Function Auxiliary with Proportional Joysticks
- Thumb Auxiliary with Proportional Joysticks
- Secondary Auxiliary with Proportional Joysticks
- Combination Auxiliary with Proportional Joysticks

UNDERCARRIAGE

- 450 mm (17.7″ in) Rubber pads (bolts directly to rail)
- 450 mm (17.7″ in) Rubber pads (bolts to 450 mm grousers)
- 450 mm (17.7″ in) 3-Bar Steel Grousers
- 600 mm (23.5″ in) 3-Bar Steel Grousers

ATTACHMENT

- HD Bucket Linkage
- Quick Couplers
- Thumbs

ATTACHMENT OPTIONS - SWING BOOM

- 5′ 7″ (1.69 m) Arm
- 7′ 2″ (2.19 m) Arm

Bucket Sizes

Bucket Type	SAE Heaped Capacity (yd³)	SAE Heaped Capacity (m³)	Width Outside Lip (in)	Width Outside Lip (mm)	Bucket Weight (lbs)	Bucket Weight (kg)	Number of Teeth	Mono Boom Arm Length 5′ 7″ 1.69 m	Mono Boom Arm Length 7′ 2″ 2.19 m
STDP Standard duty plate	.24	.18	18	457	403	183	3	H	H
	.35	.27	24	610	473	215	4	H	H
	.45	.34	30	762	542	246	5	H	M
POWER	.24	.18	18	457	644	292	3	H	H
	.34	.26	24	610	728	330	4	H	H
	.45	.34	30	762	812	368	4	M	L
	.55	.42	36	914	897	407	5	L	L
	.65	.50	42	1 067	981	445	6	N/A	N/A
DITCH	.61	.47	42	1 067	596	270	0	L	L
	.71	.54	48	1 219	645	293	0	L	N/A

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

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

Litho in USA 10/22 #LBX2477 supersedes #LBX2408

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