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

We built the Link-Belt X3 series to last, and they come with one of the best standard warranties in the industry. We back our machines with a 1-year / 1,800 hour full machine warranty, a 2-year / 3,000 hour engine warranty, and a 3-year / 10,000 hour XtraStructure warranty that even covers the turntable bearing and tub.

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

Options
- Pre-existing mounting bosses make adding additional guarding easy
- Rubber bumper guarding
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
Generators..........................50 amp
A/C Rating.....................20,080 BTU/h
Fuel Tank.....................31.7 Gallons (120.0 Liters)
Coolant System.............3.2 Gallons (12.2 Liters)
Fuel Filter.....................3.4 Gallons (12.7 Liters)
Fuel Tank.....................13.5 Gallons (51.0 Liters)
Engine Oil.....................3.0 Gallons (11.5 Liters)
Coolant System.............3.2 Gallons (12.2 Liters)

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.

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...

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
• 7' 2" (1.9 m)
• 5' 7" (1.69 m)

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...

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.

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)
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.”

### Lifting Capacities - ISO Ratings

#### Radius of Load - Swing Boom with Blade Down

<table>
<thead>
<tr>
<th></th>
<th>5' 0&quot; (1.5 m)</th>
<th>10' 0&quot; (3.0 m)</th>
<th>15' 0&quot; (4.5 m)</th>
<th>20' 0&quot; (6.0 m)</th>
<th>Cap at Max. Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5' 7&quot; (1.69 m) Arm with 11' 6&quot; (3.50 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+15' 0&quot; lbs</td>
<td>3,700*</td>
<td>3,700*</td>
<td>3,700*</td>
<td>2,450*</td>
<td>2,450*</td>
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<tr>
<td>(4.5 m) kg</td>
<td>1,680*</td>
<td>1,680*</td>
<td>1,680*</td>
<td>1,100*</td>
<td>1,100*</td>
</tr>
<tr>
<td>+10' 0&quot; lbs</td>
<td>4,400*</td>
<td>4,000*</td>
<td>3,800*</td>
<td>2,500*</td>
<td>2,400*</td>
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<tr>
<td>(3.0 m) kg</td>
<td>2,060*</td>
<td>1,850*</td>
<td>1,750*</td>
<td>1,150*</td>
<td>1,080*</td>
</tr>
<tr>
<td>+5' 0&quot; lbs</td>
<td>10,050*</td>
<td>6,950*</td>
<td>6,050*</td>
<td>4,400*</td>
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<td>Ground lbs</td>
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<td>6,500*</td>
<td>6,000*</td>
<td>3,550*</td>
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<tr>
<td>Line kg</td>
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<td>1,070*</td>
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<tr>
<td>-5' 0&quot; lbs</td>
<td>7,350*</td>
<td>7,350*</td>
<td>7,100*</td>
<td>4,505*</td>
<td>2,450*</td>
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<tr>
<td>(1.5 m) kg</td>
<td>3,300*</td>
<td>3,300*</td>
<td>3,120*</td>
<td>1,630*</td>
<td>1,180*</td>
</tr>
<tr>
<td>-10' 0&quot; lbs</td>
<td>8,450*</td>
<td>6,750</td>
<td>4,650*</td>
<td>3,800*</td>
<td></td>
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<tr>
<td>(3.0 m) kg</td>
<td>3,900*</td>
<td>3,150</td>
<td>2,110*</td>
<td>1,690*</td>
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</table>

#### Radius of Load - Swing Boom with Blade Up

<table>
<thead>
<tr>
<th></th>
<th>5' 0&quot; (1.5 m)</th>
<th>10' 0&quot; (3.0 m)</th>
<th>15' 0&quot; (4.5 m)</th>
<th>20' 0&quot; (6.0 m)</th>
<th>Cap at Max. Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>5' 7&quot; (1.69 m) Arm with 11' 6&quot; (3.50 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+15' 0&quot; lbs</td>
<td>3,700*</td>
<td>3,700*</td>
<td>3,700*</td>
<td>2,450*</td>
<td>2,450*</td>
</tr>
<tr>
<td>(4.5 m) kg</td>
<td>1,680*</td>
<td>1,680*</td>
<td>1,680*</td>
<td>1,100*</td>
<td>1,100*</td>
</tr>
<tr>
<td>+10' 0&quot; lbs</td>
<td>4,400*</td>
<td>4,000*</td>
<td>3,800*</td>
<td>2,500*</td>
<td>2,400*</td>
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<tr>
<td>(3.0 m) kg</td>
<td>2,060*</td>
<td>1,850*</td>
<td>1,750*</td>
<td>1,150*</td>
<td>1,080*</td>
</tr>
<tr>
<td>+5' 0&quot; lbs</td>
<td>7,500*</td>
<td>6,650*</td>
<td>5,900*</td>
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<td>2,050*</td>
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<td>3,550*</td>
<td>2,500*</td>
<td>1,950*</td>
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<tr>
<td>Line kg</td>
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<td>2,880</td>
<td>1,750</td>
<td>1,130</td>
<td>980</td>
</tr>
<tr>
<td>-5' 0&quot; lbs</td>
<td>7,350*</td>
<td>7,350*</td>
<td>7,100*</td>
<td>4,050*</td>
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<td>(1.5 m) kg</td>
<td>3,300*</td>
<td>3,300*</td>
<td>3,120*</td>
<td>1,630*</td>
<td>1,180*</td>
</tr>
<tr>
<td>-10' 0&quot; lbs</td>
<td>7,250*</td>
<td>6,500*</td>
<td>4,050*</td>
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<td>3,010</td>
<td>1,790</td>
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</table>
**Standard Equipment**

**CAB**
- 12V Power Outlet
- AM/FM Sound System
- Anti-Theft Device
- Auxiliary Switches on Control Lever
- Cab Exterior Light Harness
- Cab Filter - Right Vent
- Cab Handrails
- Cab Interior Light
- Cab IsoMounts
- 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
- Radio Mute Switch
- Wiper & Washer
- Wiper Switch on RH Joystick

**Optional Equipment**

**CAB**
- Cab Light [Additional]
- FOPS Head Guard (Level 2)
- Front Guard (OPG 1,2)
- Roof Sun Shade
- ROPS Certified
- Safety Glass Windows
- SCM Suspension Seat
- Selectable Monitor Languages
- Small Storage
- Travel Alarm with Cancel Switch
- Trip Meter (Digital)
- Wiper & Washer
- Wiper Switch on RH Joystick

**HYDRAULICS**
- Hydraulic Filter Restriction Indicator
- Long Life Hydraulic Oil (5,000 Hour)
- Neutral Pump De-Stroke
- Oil Cooler
- Pump Standby Pressure

**UNDERCARRIAGE**
- 4″ Lashing Points (Top-Downs)
- 7’ 7” (2.32 m) Hydraulically Controlled Dozer Blade
- Carboy Belly Pan (Swivel Guarding)
- Sealed Link Chain
- Steps
- Strutted Track Chain
- Track Roller Guide (Single)
- X-Pattern Carboy

**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 Fins
- 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

**BUCKET SIZES**

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>SAE Heaped Capacity (yd³)</th>
<th>Width Outside Lip (in)</th>
<th>Bucket Weight (lbs)</th>
<th>Number of Teeth</th>
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</thead>
<tbody>
<tr>
<td>STDP - Standard duty plate</td>
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<td>18</td>
<td>457</td>
<td>463</td>
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<td></td>
<td>.35</td>
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<tr>
<td></td>
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**Litho in USA 4/19 #LBX2408 supersedes #LBX2380**

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