SAE Net Horsepower:
with fan pump: 329 HP (245 kW)
without fan pump: 362 HP (270 kW)

Operating Weight: 111,554 lbs. (50600 kg)

Digging Depth: 24 ft. 10 in. (7.57 m)
Cab

The Link-Belt X3 cab is the strongest and roomiest LBX has ever offered. The X3 cab is ROPS and FOPS Level 1 certified and is designed to be strong and safe without sacrificing operator comfort. There is plenty of room to rest work boots on the two foot rests on either side of the travel pedals and still have enough space for the straight line travel pedal (standard on 250X3 and larger).

Roomy
- 5% larger than X2 series cab
- 7% more floor space

Strong
- ROPS and FOPS Level 1 certified

Comfortable
- Fully-adjustable KAB seat, forward/backward, up/down
- Control consoles adjust independently of seat
- Adjustable armrest 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” LED Monitor

The Link-Belt X3’s from LBX are equipped with an all new High-Definition LED 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.

The X3’s use a “passive” regeneration process and the monitor clearly lets the operator know what is going on and if they need to do anything with the machine. The on-screen DPD gauge shows the level of particulate matter that the DPF is capturing and will clean it out every 8 hours by way of an Auto Regeneration. During the Auto Regeneration process, the operator does NOT have to do anything with the machine other than keep working. During a parked, or Manual Regeneration, the monitor will give the operator the appropriate instructions on what to do with the machine, making it as simple as possible.

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
- Option to adjust and set auxiliary hydraulic flows and pressures (210, 250, 300, 350 models only)
- 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 and pressure to name a few.
The fuel-efficient, powerful, productive, quiet and long-lasting Isuzu engine LBX uses in the Link-Belt X3 series meets the EPA’s Interim Tier 4 (Tier 4a) requirements by way of cooled exhaust gas recirculation (EGR) technology and a diesel particulate diffuser system (DPD). The DPD consists of a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF) for “passive regeneration” of exhaust emissions. This is the cleanest running and most fuel efficient engine used in a Link-Belt excavator to date.

A new variable geometry turbocharger (VGT) helps optimize the combustion process and ensures consistent boost pressure during low engine rpm’s. This maintains efficient machine performance and helps eliminate harmful nitrous oxides (NOx) from forming.

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

The Link-Belt X3’s from LBX 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

- Auto Power Boost gives 9% more hydraulic pressure (power) for 8 seconds
- 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
- Standard straight-line travel on 250 class and larger
- Optional “Free Swing” auto-centers the machine over the load and takes out the pendulum effect of large, long loads

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
- 7% increased lift capacity over X2 series
- 10% better fuel efficiency than X2 series
- 8% faster cycle times
- Time will be saved in switching out the attachment tools via the in-cab monitor
Innovation at Work
Durability

LBX 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
• Standard HD linkage on 350 X3 and 470 X3 and on all Link-Belt X3 excavators ordered with factory hydraulic packages

Options

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

**Engine**

Isuzu AL-6UZ1X Tier 4A turbocharged diesel engine with electronic control (ECM) and high pressure common-rail fuel injection, 6-cylinder, Water-cooled, Cooled Exhaust Gas Recirculation (CEGR), Intercooler, Variable-Geometry Turbocharger (VGT), Diesel Particulate Filter (DPF) with Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF) for “passive regeneration” of exhaust emissions, Electronic fuel pump and priming, Fuel cooler, Auto-idle start, Auto warm-up, Reversible Fan, EPF engine protection, Dual-stage fuel filtration, In-cab fuel filter restriction indicator, Remote oil filter, Green plug oil drain, Double element air filter.

SAE Net Horsepower
without fan pump...362 hp (270 kW) @ 2,000 rpm with fan pump...329 hp (245 kW) @ 2,000 rpm Displacement...........600 cu in (9.8 l) Max. Torque...1,058 lbf-ft (1,435 Nm) @ 1,500 rpm Starter..................24V 5.5 kW Battery..................(2) 12-volt 128 amp hours

**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: stackable, Auxiliary Control System: Oil cooler, Auto-power boost, Boom and arm holding valves, 6 micron return filter, Firewall.

Hydraulic Cylinders
number of cylinders - bore x rod x stroke
Boom ..................2 - 6.7" x 4.5" x 61.0" (170 mm x 115 mm x 1,550 mm)
Arm ..................1 - 7.5" x 5.1" x 71.7" (190 mm x 130 mm x 1,820 mm)
Bucket ..................1 - 6.5" x 4.5" x 50.6" (165 mm x 115 mm x 1,285 mm)
Arm (Mass) ..............1 - 7.9" x 5.5" x 71.7" (200 mm x 140 mm x 1,820 mm)
Bucket (Mass) ..........1 - 6.7" x 4.5" x 52.6" (170 mm x 115 mm x 1,335 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......................9.1 rpm Tail Swing....................12’ 3” (3.73 m) Swing Torque.............110,634 lbf-ft (150.0 kNm)

**Undercarriage**

Fixed or expandable carbody with 17’ 11” (5.45 m) LC long undercarriage, Sealed and straddled 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.

Track Rollers ..................9 per Side Track Link Pitch ..............9.00” (229 mm)
Shoes .....................50 per Side Shoe Width ..................35.5” (900 mm)
Ground Pressure ..............37,090 lbf (165 kN)

Undercarriage
Fixed Undercarriage .............8.12 psi (0.056 MPa) Expandable Undercarriage...8.41 psi (0.058 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..................2.0 - 3.3 mph (3.2 - 5.3 km/h)

**Attachment**

Available Arms (Standard) Digging Force
1’ 1” (3.8 m) .............42,490 lbf (189 kN) with Auto Power Boost...46,310 lbf (206 kN)
8’ 4” (2.53 m) .............52,160 lbf (232 kN) with Auto Power Boost...57,100 lbf (254 kN)
1’ 3” (4.00 m) .............37,090 lbf (165 kN) with Auto Power Boost...40,690 lbf (181 kN)
1’ 5” (4.85 m) .............32,600 lbf (145 kN) with Auto Power Boost...35,740 lbf (159 kN)

Bucket Digging Force...........55,530 lbf (247 kN) with Auto Power Boost...60,700 lbf (270 kN)

Available Arms (Mass) Digging Force
8’ 4” (2.53 m) .............57,330 lbf (255 kN) with Auto Power Boost...62,720 lbf (279 kN)

Bucket Digging Force...........64,300 lbf (286 kN) with Auto Power Boost...70,370 lbf (313 kN)

**Lubricant and Coolant Capacity**

Fuel Tank.....................171.7 Gallons (650.0 Liters)
Hydraulic System .............121.5 Gallons (460.0 Liters)
Hydraulic Tank ................121.5 Gallons (460.0 Liters)
Lubricant and Coolant Capacity
60.8 Gallons (230.0 Liters) Final Drive (per side) .......4.0 Gallons (15.0 Liters)
9.5 Gallons (36.0 Liters) Engine Oil ..................9.5 Gallons (36.0 Liters)
37,070 lbf (165 kN)

**Operating Weight**

Working weight with 35.5” (900 mm) shoes, 22’ 11” (6.98 m) boom, 11’ 1” (3.38 m) arm, 3,350 lb. (1,520 kg) bucket, 22,046 lbs (10,000 kg) counterweight

Expandable sideframe...111,554 lbs. (50 600 kg) fixed sideframe...108,467 lbs. (49 200 kg)
expanded sideframe...114,199 lbs. (51 800 kg) fixed sideframe...111,113 lbs. (50 400 kg)
### Working Ranges

#### 470 X3 with fixed sideframe

<table>
<thead>
<tr>
<th>Machine equipped with 22' 11&quot; (6.90 m) boom</th>
<th>11' 1&quot; Arm (3.38 m)</th>
<th>8' 4&quot; Arm (2.53 m)</th>
<th>13' 2&quot; Arm (4.00 m)</th>
<th>15' 11&quot; Arm (4.85 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum reach</td>
<td>35' 4&quot; (10.76 m)</td>
<td>26' 10&quot; (8.13 m)</td>
<td>21' 2&quot; (6.45 m)</td>
<td>17' 12&quot; (5.26 m)</td>
</tr>
<tr>
<td>B. Maximum reach @ ground level</td>
<td>38' 7&quot; (11.75 m)</td>
<td>30' 1&quot; (9.16 m)</td>
<td>25' 1&quot; (7.64 m)</td>
<td>21' 12&quot; (6.45 m)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>35' 8&quot; (10.87 m)</td>
<td>27' 6&quot; (8.38 m)</td>
<td>22' 8&quot; (6.87 m)</td>
<td>18' 12&quot; (5.51 m)</td>
</tr>
<tr>
<td>D. Maximum dig depth</td>
<td>36' 7&quot; (11.16 m)</td>
<td>29' 6&quot; (8.99 m)</td>
<td>24' 6&quot; (7.49 m)</td>
<td>20' 12&quot; (6.11 m)</td>
</tr>
<tr>
<td>E. Maximum dump height</td>
<td>35' 9&quot; (10.89 m)</td>
<td>27' 8&quot; (8.44 m)</td>
<td>23' 3&quot; (7.09 m)</td>
<td>19' 12&quot; (5.91 m)</td>
</tr>
<tr>
<td>F. Digging depth - 6' (1.83 m) level bottom</td>
<td>24' 10&quot; (7.37 m)</td>
<td>18' 12&quot; (5.51 m)</td>
<td>15' 7&quot; (4.74 m)</td>
<td>12' 6&quot; (3.81 m)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>175°</td>
<td>175°</td>
<td>175°</td>
<td>175°</td>
</tr>
<tr>
<td>H. Maximum vertical wall depth</td>
<td>21' 3&quot; (6.42 m)</td>
<td>18' 12&quot; (5.51 m)</td>
<td>23' 0&quot; (7.01 m)</td>
<td>26' 5&quot; (8.06 m)</td>
</tr>
</tbody>
</table>

#### 470 X3 with expandable sideframe

<table>
<thead>
<tr>
<th>Machine equipped with 22' 11&quot; (6.88 m) boom</th>
<th>11' 1&quot; Arm (3.38 m)</th>
<th>8' 4&quot; Arm (2.53 m)</th>
<th>13' 2&quot; Arm (4.00 m)</th>
<th>15' 11&quot; Arm (4.85 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum reach</td>
<td>39' 9&quot; (11.64 m)</td>
<td>30' 4&quot; (9.27 m)</td>
<td>25' 3&quot; (7.70 m)</td>
<td>21' 12&quot; (6.45 m)</td>
</tr>
<tr>
<td>B. Maximum reach @ ground level</td>
<td>38' 6&quot; (11.74 m)</td>
<td>30' 6&quot; (9.29 m)</td>
<td>25' 6&quot; (7.76 m)</td>
<td>21' 12&quot; (6.45 m)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>24' 10&quot; (7.37 m)</td>
<td>21' 0&quot; (6.38 m)</td>
<td>20' 0&quot; (6.09 m)</td>
<td>17' 0&quot; (5.18 m)</td>
</tr>
<tr>
<td>D. Maximum dig depth</td>
<td>37' 0&quot; (11.31 m)</td>
<td>30' 0&quot; (9.09 m)</td>
<td>29' 9&quot; (8.63 m)</td>
<td>25' 9&quot; (7.82 m)</td>
</tr>
<tr>
<td>E. Maximum dump height</td>
<td>26' 13&quot; (7.98 m)</td>
<td>23' 2&quot; (7.08 m)</td>
<td>23' 2&quot; (7.08 m)</td>
<td>20' 2&quot; (6.15 m)</td>
</tr>
<tr>
<td>F. Digging depth - 6' (1.83 m) level bottom</td>
<td>24' 10&quot; (7.37 m)</td>
<td>21' 0&quot; (6.38 m)</td>
<td>20' 0&quot; (6.09 m)</td>
<td>17' 0&quot; (5.18 m)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>175°</td>
<td>175°</td>
<td>175°</td>
<td>175°</td>
</tr>
<tr>
<td>H. Maximum vertical wall depth</td>
<td>21' 1&quot; (6.42 m)</td>
<td>18' 1&quot; (5.52 m)</td>
<td>23' 0&quot; (7.01 m)</td>
<td>26' 5&quot; (8.06 m)</td>
</tr>
</tbody>
</table>

### Travel Dimensions

**Machine equipped with:**
- 8' 4" (2.53 m) Arm
- 13' 2" (4.00 m) Arm
- 11' 1" (3.38 m) Arm
- 15' 11" (4.85 m) Arm
- **Fixed Sideframe**
- **Expandable Sideframe**

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**Link-Belt**

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**Machine equipped with:**

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**Link-Belt**

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**E"**

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Lifting Capacities - ISO Ratings

### Radius of Load - 470 X3 with Fixed Sideframes

#### 11' 1" (3.38 m) Arm with 22' 11" (6.98 m) Boom and 3,195 lb. (1,450 kg) Bucket with Power-Boost Applied

<table>
<thead>
<tr>
<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>25' 0&quot; (7.5 m)</th>
<th>30' 0&quot; (9.0 m)</th>
<th>35' 0&quot; (10.5 m)</th>
<th>Cap at Max. Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>+30° 0&quot; lbs</td>
<td>+25° 0&quot; lbs</td>
<td>+20° 0&quot; lbs</td>
<td>+15° 0&quot; lbs</td>
<td>+10° 0&quot; lbs</td>
<td>+5° 0&quot; lbs</td>
<td>-20° 0&quot; lbs</td>
<td></td>
</tr>
<tr>
<td>(9.0 m) kg</td>
<td>(7.5 m) kg</td>
<td>(6.0 m) kg</td>
<td>(4.5 m) kg</td>
<td>(3.0 m) kg</td>
<td>(1.5 m) kg</td>
<td>(6.0 m) kg</td>
<td></td>
</tr>
<tr>
<td>20800* 20800*</td>
<td>15600* 15600*</td>
<td>14530* 14530*</td>
<td>13100* 13100*</td>
<td>11900* 11900*</td>
<td>10600* 10600*</td>
<td>9860* 9860*</td>
<td></td>
</tr>
<tr>
<td>10020* 10020*</td>
<td>7700* 7700*</td>
<td>6520* 6520*</td>
<td>5660* 5660*</td>
<td>5190* 5190*</td>
<td>45080* 45080*</td>
<td>39050* 39050*</td>
<td></td>
</tr>
<tr>
<td>10150* 10150*</td>
<td>9960* 9960*</td>
<td>8570* 8570*</td>
<td>7580* 7580*</td>
<td>6900* 6900*</td>
<td>54800* 54800*</td>
<td>46500* 46500*</td>
<td></td>
</tr>
<tr>
<td>12250* 12250*</td>
<td>11150* 11150*</td>
<td>9860* 9860*</td>
<td>8770* 8770*</td>
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<td>8570* 8570*</td>
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<td>6900* 6900*</td>
<td>54800* 54800*</td>
<td>46500* 46500*</td>
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<tr>
<td>11040* 11040*</td>
<td>9790* 9790*</td>
<td>8570* 8570*</td>
<td>7580* 7580*</td>
<td>6900* 6900*</td>
<td>54800* 54800*</td>
<td>46500* 46500*</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**

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 - 470 X3 with Fixed Sideframes

| 13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,017 lb. (1 368 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)** | **25' 0" (7.5 m)** | **30' 0" (9.0 m)** | **35' 0" (10.5 m)** | **Cap at Max. Reach** |
| **End** | **Side** | **End** | **Side** | **End** | **Side** | **End** | **Side** |
| **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** |
| **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** |
| +15' 0" | 15800* | 15800* | 15800* | 15800* | 15800* | 15800* | 15800* |
| +10' 0" | 13400* | 13400* | 13400* | 13400* | 13400* | 13400* | 13400* |
| +5' 0" | 11400* | 11400* | 11400* | 11400* | 11400* | 11400* | 11400* |
| 0' 0" | 9500* | 9500* | 9500* | 9500* | 9500* | 9500* | 9500* |

### Radius of Load - 470 X3 with Fixed Sideframes

| 15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,776 lb. (1 259 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)** | **25' 0" (7.5 m)** | **30' 0" (9.0 m)** | **35' 0" (10.5 m)** | **Cap at Max. Reach** |
| **End** | **End** | **End** | **End** | **End** | **End** | **End** | **End** |
| **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** | **Ground lbs** |
| **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** | **(6.0 m) kg** |
| +35' 0" | 18750* | 18750* | 18750* | 18750* | 18750* | 18750* | 18750* |
| +30' 0" | 17200* | 17200* | 17200* | 17200* | 17200* | 17200* | 17200* |
| +25' 0" | 15650* | 15650* | 15650* | 15650* | 15650* | 15650* | 15650* |
| +20' 0" | 14100* | 14100* | 14100* | 14100* | 14100* | 14100* | 14100* |
| +15' 0" | 12550* | 12550* | 12550* | 12550* | 12550* | 12550* | 12550* |

### Notes
- 13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,017 lb. (1 368 kg) Bucket with Power-Boost Applied
- 15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,776 lb. (1 259 kg) Bucket with Power-Boost Applied

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*Note: Numbers may vary depending on specific model and conditions.*
### Lifting Capacities - ISO Ratings

**Radius of Load - 470 X3 with Expandable Sideframes**

11’ 1” (3.38 m) Arm with 22’ 11” (6.98 m) Boom and 3,195 lb. (1 450 kg) Bucket with Power-Boost Applied

<table>
<thead>
<tr>
<th>5’ 0˝ (1.5 m)</th>
<th>10’ 0˝ (3.0 m)</th>
<th>15’ 0˝ (4.5 m)</th>
<th>20’ 0˝ (6.0 m)</th>
<th>25’ 0˝ (7.5 m)</th>
<th>30’ 0˝ (9.0 m)</th>
<th>35’ 0˝ (10.5 m)</th>
<th>Cap at Max. Reach</th>
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<tr>
<td><strong>+30’ 0˝</strong> lbs</td>
<td><strong>+25’ 0˝</strong> lbs</td>
<td><strong>+20’ 0˝</strong> lbs</td>
<td><strong>+15’ 0˝</strong> lbs</td>
<td><strong>+10’ 0˝</strong> lbs</td>
<td><strong>+5’ 0˝</strong> lbs</td>
<td>Ground lbs</td>
<td>Line lbs</td>
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<td>(7.5 m) kg</td>
<td>(6.0 m) kg</td>
<td>(4.5 m) kg</td>
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**Radius of Load - 470 X3 with Expandable Sideframes**

8’ 4” (2.53 m) Arm with 22’ 11” (6.98 m) Boom and 3,350 lb. (1 520 kg) Bucket with Power-Boost Applied

<table>
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<tr>
<th>10’ 0˝ (3.0 m)</th>
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<th>25’ 0˝ (7.5 m)</th>
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<th>35’ 0˝ (10.5 m)</th>
<th>Cap at Max. Reach</th>
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</thead>
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<tr>
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<td><strong>+25’ 0˝</strong> lbs</td>
<td><strong>+20’ 0˝</strong> lbs</td>
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<td><strong>+10’ 0˝</strong> lbs</td>
<td><strong>+5’ 0˝</strong> lbs</td>
<td>Ground lbs</td>
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<tr>
<td>(9.0 m) kg</td>
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*Note: All values are approximate and subject to manufacturer's specifications."
### Lifting Capacities - ISO Ratings

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<tr>
<th></th>
<th>5' 0&quot; (1.5 m)</th>
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<td>3770* kg</td>
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</tbody>
</table>

### Radius of Load - 470 X3 with Expandable Sideframes

13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,017 lb. (1,368 kg) Bucket with Power-Boost Applied

#### Radius of Load - 470 X3 with Expandable Sideframes

15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,776 lb. (1,259 kg) Bucket with Power-Boost Applied
### Lifting Capacities - 470 X3 Mass Excavator with Fixed Sideframes

**Radius of Load**

<table>
<thead>
<tr>
<th>8' 4&quot; (2.53 m) Arm</th>
<th>22' 11&quot; (6.98 m) Boom and 5,291 lb. (2,400 kg) Bucket with Power-Boost Applied</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>+30’ 0”</strong> lbs</td>
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</tr>
<tr>
<td>(9.0 m)</td>
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</tr>
<tr>
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<td><strong>+25’ 0”</strong> kg</td>
</tr>
<tr>
<td>(7.5 m)</td>
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<td>(4.5 m)</td>
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<tr>
<td>(3.0 m)</td>
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<tr>
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<td><strong>Line</strong> kg</td>
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### Lifting Capacities - 470 X3 Mass Excavator with Expandable Sideframes

**Radius of Load**

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<tr>
<th>8' 4&quot; (2.53 m) Arm</th>
<th>22' 11&quot; (6.98 m) Boom and 5,291 lb. (2,400 kg) Bucket with Power-Boost Applied</th>
</tr>
</thead>
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<tr>
<td><strong>+30’ 0”</strong> lbs</td>
<td><strong>+30’ 0”</strong> kg</td>
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<td>(9.0 m)</td>
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<td>(4.5 m)</td>
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Standard and Optional Equipment

**CAB**
- 12V Power Outlet ..........................  
- 24V Lighter ..............................  
- AM/FM Sound System ..........................  
- Anti-Theft Device ...............................  
- Ashtray .................................  
- Auxiliary Switches on Control Lever ..........................  
- Cab Exterior Light Harness ..........................  
- Cab Filter External ..............................  
- Cab Handrails ............................  
- Cab Interior Light ..........................  
- Cab Lights ...............................  
- Cab Iso-Mounts ..........................  
- Clear Roof Window ..........................  
- Climate Control A/C and Heater ..........................  
- Console Tilt ............................  
- Cup Holder ..............................  
- Defroster ...............................  
- Digital Clock ..............................  
- ECO Gauge ...............................  
- Emergency Exit and Hammer ..........................  
- Face Vent ...............................  
- Floor Mat ...............................  
- Front Guard (mesh) ..........................  
- Front Guard (OPG 1,2) ..........................  
- Front Window One-Touch Lock ..........................  
- Gate Lock Hydraulic Activation ..........................  
- Horn ...............................  
- Hot & Cold Box ..........................  
- Hour Meter - Digital ..........................  
- KAB 815 Suspension Seat ..........................  
- KAB 859 Air-Suspension ..........................  
- LED Color Monitor ..........................  
- Magazine 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 ..........................  
- Roof Sun Shade ..........................  
- Safety Glass Windows ..........................  
- Seat Recline ..............................  
- Selectable Monitor Languages ..........................  
- Side View Camera ..........................  
- Small Storage ..............................  

**ENGINE**
- Sun Visor ..............................  
- Travel Alarm with Cancel Switch ..........................  
- Trip Meter - Digital ..........................  
- Wiper & Washer ..............................  
- Wiper Switch on RH Joystick ..........................  
- Air Filter - Double Element ..........................  
- Air Filter Restriction Indicator ..........................  
- Air Pre-Cleaner ..............................  
- Auto-Warm-Up ..............................  
- Auto-Idle ...............................  
- Auto-Idle Engine Shutdown ..........................  
- CEGF - Cooled Exhaust Gas Recirculation ..........................  
- Cooling Fan (reversible) ..........................  
- Diesel Oxidation Catalyst (DOC) ..........................  
- Diesel Particulate Filter (DPF) ..........................  
- Drain for Fuel Tank ..........................  
- Dual Remote Fuel Filters & Water Separation ..........................  
- EGR Coolers ..............................  
- Emergency Engine Stop ..........................  
- Engine Idle System ..........................  
- Fan Housing ...............................  
- Fuel Filter Restriction Indicator ..........................  
- Fuel Management System ..........................  
- Fuel Shut-Off Valve ..........................  
- Fuel Usage Monitor ..........................  
- Glow Plug Pre-Heat ..............................  
- Idle-Start ...............................  
- Neutral Start ..............................  
- One-Touch Idle ..............................  
- Passive Emissions-Regeneration ..........................  
- Radiator / Oil Cooler Protective Screen ..........................  
- Transmission Oil Cooler on Monitor ..........................  
- Remote Oil Filter ..............................  
- VGT Turbocharger ..........................  

**HYDRAULICS**
- Arm Regeneration ..............................  
- Arm Speed Assistance - 2 Pump Flow ..........................  
- Attachment Cushion Valve ..........................  
- Auto Swing Priority ..........................  
- Auxiliary Flow Control ..........................  
- Aux. Tool Settings - Memory ..........................  
- Boom Regeneration ..........................  
- Boom Speed Assistance - 2 Pump Flow ..........................  
- Bucket Curl Assist ..........................  
- Control Levers Pre-Wired for Auxiliary ..........................  
- Control Pattern Changer (2 way) ..........................  
- Free Swing ...............................  
- Holding Valve - Arm ..........................  
- Holding Valve - Boom ..........................  
- Hose Burst Check Valve ..........................  
- Hydraulic Filter Restriction Indicator ..........................  
- Long Life Hydraulic Oil - 5,000 Hour ..........................  
- Neutral Pump De-stroke ..........................  
- Oil Cooler ...............................  
- Power Boost ...............................  
- Pressure Reading on Monitor ..........................  
- Standby Pressure ..............................  
- Single Pedal Travel ..........................  
- Straight Travel Circuit ..........................  
- ATTACHMENT
  - Bucket Anti-Clutter Device ..........................  
  - Chrome pins ...............................  
  - Easy Maintenance System ..........................  
  - Fuel Filters ..............................  
  - Grease Gun ...............................  
  - Quick Couplers ..............................  
  - Remote Lube Bank ..........................  
  - Teardrop pin retention keepers ..........................  
  - Thumbs ...............................  

**UPPERSTRUCTURE**
- Belly Pans ...............................  
- Catwalks ...............................  
- Center Cover (Over Main CV) ..........................  
- Counterweight Removal System ..........................  

**Option Codes**
- Standard ...............................  
- Optional ...............................  

**Bucket Sizes**

### 470 X3 with Fixed Sideframe

<table>
<thead>
<tr>
<th>Bucket Type</th>
<th>Heaped Capacity (m³)</th>
<th>Width Outside Lip (in)</th>
<th>Bucket Weight (lbs)</th>
<th>Number of Teeth</th>
<th>Arm 8' 4&quot; (2.55 m)</th>
<th>Arm 11' 10&quot; (3.59 m)</th>
<th>Arm 13' 2&quot; (4.09 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>STDP Standard duty plate</td>
<td>1.76 1.35 36 914 2,906 1,318 4</td>
<td>H H H H</td>
<td>7.82 509</td>
<td>H H H H</td>
<td>9.71 497</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDP Heavy duty plate</td>
<td>2.14 1.64 42 1,067 2,306 1,454 5</td>
<td>H H H H M</td>
<td>11.94 559</td>
<td>H H H H M</td>
<td>14.08 621</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XDP Extreme duty plate</td>
<td>2.48 1.90 48 1,219 4,108 1,963 5</td>
<td>H H H H M L</td>
<td>15.08 669</td>
<td>H H H H M L</td>
<td>17.25 740</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Buckets</td>
<td>2.31 1.77 48 1,219 6,120 2,776 5</td>
<td>H H H H L</td>
<td>17.25 740</td>
<td>H H H H L</td>
<td>19.38 874</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 470 X3 with Expandable Sideframe

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<thead>
<tr>
<th>Bucket Type</th>
<th>Heaped Capacity (m³)</th>
<th>Width Outside Lip (in)</th>
<th>Bucket Weight (lbs)</th>
<th>Number of Teeth</th>
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<tr>
<td>STDP Standard duty plate</td>
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<td>H H H H L</td>
<td>19.38 874</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**24V XDP**
- Light material (up to 2,020 lbs./yd³)
- Heavy material (up to 3,370 lbs./yd³)

**Engine Details**
- 900 mm shoes (35.5 in)

**Additional Features**
- Engine Manual
- Engine Oil Filter
- Fuel Wrench
- Gate Lock Hydraulic Activation
- High Pressure Turbocharger
- Hydraulics Return Filter
- Ignition Keys
- Pilot Circuit Hydraulic Filter
- Remote Lube Bank
- Teardrop pin retention keepers
- Thumbs
- Work Light for Boom

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