SAE Net Horsepower: 54 HP (40 kW)
Operating Weight: 17,400 lbs. (7900 kg)
Digging Depth: 13 ft. 7 in. (4.13 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. 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
The Link-Belt X3’s from LBX 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

**145 X3 and 235 X3 Models**
The 145 X3 and 235 X3 models 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.

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 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) in the 145 X3 and 235 X3. The DPD consists of a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF) for “passive regeneration” of exhaust emissions. The 75 X3 and 80 X3 are Final Tier 4-certified and are not equipped with a DPF; therefore, they do not require any regeneration.

A new variable geometry turbocharger (VGT), available on the 145 X3 and 235 X3, 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

- Available on the 145 X3 and 235 X3, 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
- 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
- 15% increased lift capacity over previous series
- 18% better fuel efficiency than previous series
- 8% faster cycle times
- Time will be saved in switching out the attachment tools via the in-cab monitor
RemoteCARE™

Always Know When and Where Machines are Working

With the Link-Belt RemoteCARE™ telematics system, you’ll receive timely and reliable machine utilization and operational data, combined with 24/7 surveillance and anti-theft tools.

RemoteCARE monitors:

- Machine Location
- Geo-fence & Curfew Range
- Fuel Levels
- Actual Fuel Consumption
- Hour Meter Reading
- Idle Time
- Attachment Working Hours
- Working Modes
- Radiator Water Temperature
- Service Maintenance Reminders
- Service Warnings
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.

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

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.
### 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
- **Displacement**: 133 cu in (2.2 L)
- **Pilot Pump Max. Flow**: 4.8 gpm (18 L/min)
- **Blade Pump Max. Flow**: 9.4 gpm (35.4 L/min)

#### 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 holding 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)

#### 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.

#### 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 joystick pre-wired for auxiliary hydraulics, 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, Coat hook, Cup holder, Storage compartments, Floor mat, Footrests, 12-volt outlet, Travel alarm, trip decelerator, Auto-idle engine shutdown, interval reminders, Auto-idling system, One-diagnostic system with memory and service diagnostic system changer, Safety glass windows, Hi-Defintion color monitor, Rearview camera and heat with defroster, Control panel with LCD.
- **Battery**: (2) 12-volt 64 amp hours

#### 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.**
- **Boom**: 12’ 4” (3.75 m)
- **Offset Boom**: 12’ 4” (3.89 m)

#### Operating Weight
- **Engine Oil**: 3.0 Gallons (11.5 Liters)
- **Coolant System**: 3.2 Gallons (12.2 Liters)
- **Final Drive (per side)**: 0.3 Gallons (1.1 Liters)
- **Hydraulic System**: 25.4 Gallons (96.3 Liters)
- **Fuel tank**: 31.7 Gallons (120.0 Liters)
- **Fuel Tank**: 13.5 Gallons (51.0 Liters)
- **Hydraulic System**: 3.2 Gallons (12.2 Liters)

#### Lubricant and Coolant Capacity
- **Final Drive (per side)**: 0.3 Gallons (1.1 Liters)
- **Hydraulic System**: 25.4 Gallons (96.3 Liters)
- **Fuel Tank**: 31.7 Gallons (120.0 Liters)
- **Fuel Tank**: 13.5 Gallons (51.0 Liters)

#### Attachments
- **Boom**: 12’ 4” (3.75 m)
- **Offset Boom**: 12’ 4” (3.89 m)
- **Available Arms (Excavator)**
  - **Digging Force** - 5’ 7” (1.69 m) 8,890 lbs (39.5 kN)
  - **Digging Force** - 7’ 2” (2.19 m) 7,600 lbs (33.8 kN)
- **Available Arms (Offset)**
  - **Digging Force** - 5’ 9” (1.75 m) 8,860 lbs (39.4 kN)
  - **Digging Force** - 6’ 11” (2.10 m) 7,800 lbs (34.7 kN)

#### Trademark Information
- **75X3**

### 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**: 4’ 9” (1.29 m)
- **Swing Torque**: 12,500 lbf-ft (17.0 kNm)

### Undercarriage
- **Frame**: 3.19” (81 mm) x 2.9” (74 mm) x 12’ 0” (3.66 m)
- **Arm**: 1.0” (25 mm) x 2.5” (63 mm) x 33.5” (851 mm)
- **Boom**: 1.0” (25 mm) x 2.9” (74 mm) x 46.0” (1168 mm)
- **Bucket**: 1.0” (25 mm) x 2.7” (69 mm) x 30.0” (762 mm)
- **Blade**: 1.0” (25 mm) x 2.9” (74 mm) x 30.0” (762 mm)

### 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 holding 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)

### 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.

### Lubricant and Coolant Capacity
- **Final Drive (per side)**: 0.3 Gallons (1.1 Liters)
- **Hydraulic System**: 25.4 Gallons (96.3 Liters)
- **Fuel Tank**: 31.7 Gallons (120.0 Liters)
- **Fuel Tank**: 13.5 Gallons (51.0 Liters)

### Operating Weight
- **Engine Oil**: 3.0 Gallons (11.5 Liters)
- **Coolant System**: 3.2 Gallons (12.2 Liters)

### Trademark Information
- **75X3**
### Working Ranges

#### Machine Equipped with 12’ 4” (3.75 m) Boom

<table>
<thead>
<tr>
<th>A. Maximum reach</th>
<th>Arm 5’ 7” (1.69 m)</th>
<th>Arm 7’ 2” (2.19 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ ground level</td>
<td>20’ 7” (6.27 m)</td>
<td>22’ 2” (6.76 m)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>13’ 7” (4.13 m)</td>
<td>15’ 2” (4.63 m)</td>
</tr>
<tr>
<td>D. Maximum dig height</td>
<td>24’ 2” (7.37 m)</td>
<td>25’ 6” (7.77 m)</td>
</tr>
<tr>
<td>E. Maximum dump height</td>
<td>17’ 4” (5.28 m)</td>
<td>18’ 7” (5.67 m)</td>
</tr>
<tr>
<td>F. Digging depth 8’ (2.44 m) level bottom</td>
<td>12’ 6” (3.80 m)</td>
<td>14’ 4” (4.36 m)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>177°</td>
<td>177°</td>
</tr>
<tr>
<td>H. Maximum vertical wall depth</td>
<td>11’ 11” (3.64 m)</td>
<td>13’ 9” (4.20 m)</td>
</tr>
</tbody>
</table>

### Blade Dimensions

- Maximum reach 21’ 0” (6.41 m)
- 22’ 7” (6.89 m)
- Maximum reach @ ground level 20’ 7” (6.27 m)
- 22’ 2” (6.76 m)
- Maximum dig depth 13’ 7” (4.13 m)
- 15’ 2” (4.63 m)
- Maximum dig height 24’ 2” (7.37 m)
- 25’ 6” (7.77 m)
- Maximum dump height 17’ 4” (5.28 m)
- 18’ 7” (5.67 m)
- Digging depth 8’ (2.44 m) level bottom 12’ 6” (3.80 m)
- 14’ 4” (4.36 m)
- Bucket rotation 177°
- 177°
- Maximum vertical wall depth 11’ 11” (3.64 m)
- 13’ 9” (4.20 m)

### Travel Dimensions

- 5’ 7” (1.69 m) Arm
- 7’ 2” (2.19 m) Arm

Machine equipped with:

- 5’ 7” (1.69 m) Arm
- 7’ 2” (2.19 m) Arm
Working Ranges

<table>
<thead>
<tr>
<th>Machine Equipped with Arm 12’ 9” (3.89 m) Boom</th>
<th>Arm 5’ 9” (1.75 m)</th>
<th>Arm 6’ 11” (2.10 m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Maximum reach</td>
<td>21’ 4” (6.50 m)</td>
<td>22’ 3” (6.79 m)</td>
</tr>
<tr>
<td>B. Maximum reach</td>
<td>20’ 10” (6.36 m)</td>
<td>21’ 10” (6.66 m)</td>
</tr>
<tr>
<td>C. Maximum dig depth</td>
<td>13’ 11” (4.25 m)</td>
<td>15’ 1” (4.60 m)</td>
</tr>
<tr>
<td>D. Maximum dig height</td>
<td>24’ 3” (7.38 m)</td>
<td>24’ 11” (7.59 m)</td>
</tr>
<tr>
<td>E. Maximum dump height</td>
<td>17’ 5” (5.31 m)</td>
<td>18’ 1” (5.52 m)</td>
</tr>
<tr>
<td>F. Digging depth 8’ (2.44 m) level bottom</td>
<td>12’ 8” (3.87 m)</td>
<td>13’ 11” (4.25 m)</td>
</tr>
<tr>
<td>G. Bucket rotation</td>
<td>177°</td>
<td>177°</td>
</tr>
<tr>
<td>H. Maximum vertical wall depth</td>
<td>10’ 11” (3.33 m)</td>
<td>12’ 1” (3.68 m)</td>
</tr>
</tbody>
</table>

Travel Dimensions

Machine equipped with:
1. 5’ 9” (1.75 m) Arm
2. 6’ 11” (2.10 m) Arm
### Lifting Capacities - ISO Ratings

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

5’ 7” (1.69 m) Arm with 12’ 4” (3.75 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied

<table>
<thead>
<tr>
<th></th>
<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>Cap at Max. Reach</th>
</tr>
</thead>
<tbody>
<tr>
<td>+20’ 0” lbs</td>
<td>3,750*</td>
<td>3,750*</td>
<td>3,750*</td>
<td>3,750*</td>
<td>2,700*</td>
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<tr>
<td>kg (6.0 m)</td>
<td>1,690*</td>
<td>1,690*</td>
<td>1,690*</td>
<td>1,690*</td>
<td>1,210*</td>
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<tr>
<td>+15’ 0” lbs</td>
<td>4,050*</td>
<td>4,050*</td>
<td>3,650*</td>
<td>3,450*</td>
<td>2,300*</td>
</tr>
<tr>
<td>kg (4.5 m)</td>
<td>1,850*</td>
<td>1,850*</td>
<td>1,690*</td>
<td>1,600*</td>
<td>1,050*</td>
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<tr>
<td>+10’ 0” lbs</td>
<td>8,300*</td>
<td>5,500*</td>
<td>5,150*</td>
<td>3,300*</td>
<td>2,250*</td>
</tr>
<tr>
<td>kg (3.0 m)</td>
<td>3,910*</td>
<td>2,560*</td>
<td>2,560*</td>
<td>1,910*</td>
<td>1,030*</td>
</tr>
<tr>
<td>+5’ 0” lbs</td>
<td>7,350*</td>
<td>4,850*</td>
<td>4,850*</td>
<td>3,100*</td>
<td>1,900*</td>
</tr>
<tr>
<td>kg (1.5 m)</td>
<td>3,380*</td>
<td>2,770*</td>
<td>2,770*</td>
<td>1,450*</td>
<td>0850</td>
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<tr>
<td>Ground lbs</td>
<td>8,000*</td>
<td>5,550*</td>
<td>5,050*</td>
<td>2,950*</td>
<td>1,950*</td>
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<tr>
<td>Line kg</td>
<td>3,690*</td>
<td>2,570*</td>
<td>2,340*</td>
<td>1,370*</td>
<td>1,250*</td>
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<tr>
<td>-5’ 0” lbs</td>
<td>8,250*</td>
<td>7,450*</td>
<td>5,150*</td>
<td>2,900*</td>
<td>1,900*</td>
</tr>
<tr>
<td>kg (1.5 m)</td>
<td>3,660*</td>
<td>3,660*</td>
<td>2,550*</td>
<td>1,350*</td>
<td>0850</td>
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<tr>
<td>-10’ 0” lbs</td>
<td>8,800*</td>
<td>8,800*</td>
<td>5,150*</td>
<td>2,430*</td>
<td>1,550*</td>
</tr>
<tr>
<td>kg (3.0 m)</td>
<td>4,030*</td>
<td>4,030*</td>
<td>2,430*</td>
<td>1,090*</td>
<td>0810</td>
</tr>
</tbody>
</table>

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

5’ 7” (1.69 m) Arm with 12’ 4” (3.75 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied

<table>
<thead>
<tr>
<th></th>
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<td>3,750*</td>
<td>3,750*</td>
<td>2,700*</td>
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<tr>
<td>kg (6.0 m)</td>
<td>1,690*</td>
<td>1,690*</td>
<td>1,690*</td>
<td>1,690*</td>
<td>1,210*</td>
</tr>
<tr>
<td>+15’ 0” lbs</td>
<td>4,050*</td>
<td>4,050*</td>
<td>3,650*</td>
<td>3,450*</td>
<td>2,300*</td>
</tr>
<tr>
<td>kg (4.5 m)</td>
<td>1,850*</td>
<td>1,850*</td>
<td>1,690*</td>
<td>1,600*</td>
<td>1,050*</td>
</tr>
<tr>
<td>+10’ 0” lbs</td>
<td>8,300*</td>
<td>5,500*</td>
<td>5,500*</td>
<td>3,300*</td>
<td>2,250*</td>
</tr>
<tr>
<td>kg (3.0 m)</td>
<td>3,910*</td>
<td>2,560*</td>
<td>2,560*</td>
<td>1,910*</td>
<td>1,030*</td>
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<tr>
<td>+5’ 0” lbs</td>
<td>6,400*</td>
<td>3,250*</td>
<td>3,250*</td>
<td>2,950*</td>
<td>1,950*</td>
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<tr>
<td>kg (1.5 m)</td>
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<td>2,640</td>
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<tr>
<td>Ground lbs</td>
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<td>5,250*</td>
<td>5,250*</td>
<td>2,800*</td>
<td>1,850*</td>
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<tr>
<td>Line kg</td>
<td>2,760</td>
<td>2,440</td>
<td>2,440</td>
<td>1,300</td>
<td>0850</td>
</tr>
<tr>
<td>-5’ 0” lbs</td>
<td>8,250*</td>
<td>8,250*</td>
<td>5,200*</td>
<td>2,750*</td>
<td>2,500*</td>
</tr>
<tr>
<td>kg (1.5 m)</td>
<td>3,660*</td>
<td>3,660*</td>
<td>2,420*</td>
<td>1,290</td>
<td>1,030</td>
</tr>
<tr>
<td>-10’ 0” lbs</td>
<td>8,800*</td>
<td>8,800*</td>
<td>5,150*</td>
<td>2,430*</td>
<td>3,400*</td>
</tr>
<tr>
<td>kg (3.0 m)</td>
<td>4,030*</td>
<td>4,030*</td>
<td>2,430*</td>
<td>1,550*</td>
<td>1,560*</td>
</tr>
</tbody>
</table>
## Lifting Capacities - ISO Ratings

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

7' 2" (2.19 m) Arm with 12' 4" (3.75 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied

<table>
<thead>
<tr>
<th></th>
<th>0' 0&quot; (0.0 m)</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></td>
<td>End</td>
<td>Side</td>
<td>End</td>
<td>Side</td>
<td>End</td>
<td>Side</td>
</tr>
<tr>
<td>+20° 0° lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6.0 m) kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+15° 0° lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4.5 m) kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,570*</td>
<td></td>
</tr>
<tr>
<td>+10° 0° lbs</td>
<td></td>
<td></td>
<td>4,400*</td>
<td></td>
<td>3,800*</td>
<td></td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td></td>
<td>2,030*</td>
<td></td>
<td>1,730*</td>
<td></td>
<td>1,550*</td>
</tr>
<tr>
<td>+5° 0° lbs</td>
<td></td>
<td>6,750*</td>
<td>6,150*</td>
<td>4,600*</td>
<td>3,200*</td>
<td>3,550*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td></td>
<td>3,100*</td>
<td>2,860*</td>
<td>2,130*</td>
<td>1,480*</td>
<td>1,630*</td>
</tr>
<tr>
<td>Ground lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,150*</td>
<td>1,840*</td>
</tr>
<tr>
<td>Line kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,840*</td>
<td>1,840*</td>
</tr>
<tr>
<td>-5° 0° lbs</td>
<td></td>
<td>4,750*</td>
<td>7,100*</td>
<td>7,750*</td>
<td>4,950*</td>
<td>2,900*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td></td>
<td>2,140*</td>
<td>3,160*</td>
<td>3,580*</td>
<td>2,530*</td>
<td>1,340*</td>
</tr>
<tr>
<td>-10° 0° lbs</td>
<td></td>
<td>10,950*</td>
<td>6,150*</td>
<td>5,500*</td>
<td>3,400*</td>
<td>2,900*</td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td></td>
<td>5,110*</td>
<td>5,110*</td>
<td>2,880*</td>
<td>1,670*</td>
<td>1,380*</td>
</tr>
</tbody>
</table>

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

7' 2" (2.19 m) Arm with 12' 4" (3.75 m) Boom and 450 lb. (210 kg) Bucket with Power-Boost Applied

<table>
<thead>
<tr>
<th></th>
<th>0' 0&quot; (0.0 m)</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></td>
<td>End</td>
<td>Side</td>
<td>End</td>
<td>Side</td>
<td>End</td>
<td>Side</td>
</tr>
<tr>
<td>+20° 0° lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(6.0 m) kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>+15° 0° lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4.5 m) kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,570*</td>
<td></td>
</tr>
<tr>
<td>+10° 0° lbs</td>
<td></td>
<td></td>
<td>4,400*</td>
<td></td>
<td>3,800*</td>
<td></td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td></td>
<td>2,030*</td>
<td></td>
<td>1,730*</td>
<td></td>
<td>1,550*</td>
</tr>
<tr>
<td>+5° 0° lbs</td>
<td></td>
<td>6,750*</td>
<td>6,150*</td>
<td>4,600*</td>
<td>3,200*</td>
<td>3,550*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td></td>
<td>3,100*</td>
<td>2,860*</td>
<td>2,130*</td>
<td>1,480*</td>
<td>1,630*</td>
</tr>
<tr>
<td>Ground lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4,150*</td>
<td>1,840*</td>
</tr>
<tr>
<td>Line kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1,840*</td>
<td>1,840*</td>
</tr>
<tr>
<td>-5° 0° lbs</td>
<td></td>
<td>4,750*</td>
<td>7,100*</td>
<td>7,750*</td>
<td>4,950*</td>
<td>2,900*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td></td>
<td>2,140*</td>
<td>3,160*</td>
<td>3,580*</td>
<td>2,530*</td>
<td>1,340*</td>
</tr>
<tr>
<td>-10° 0° lbs</td>
<td></td>
<td>10,950*</td>
<td>6,150*</td>
<td>5,500*</td>
<td>3,400*</td>
<td>2,900*</td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td></td>
<td>5,110*</td>
<td>5,110*</td>
<td>2,880*</td>
<td>1,670*</td>
<td>1,380*</td>
</tr>
</tbody>
</table>
### Lifting Capacities - ISO Ratings

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

**5’ 9” (1.75 m) Arm with 12’ 9” (3.89 m) Offset Boom and 460 lb. (210 kg) Bucket with Power-Boost Applied**

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>+20’ 0”</th>
<th>+15’ 0”</th>
<th>+10’ 0”</th>
<th>+5’ 0”</th>
<th>Ground</th>
<th>Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>(6.0 m)</td>
<td>lbs</td>
<td>kg</td>
<td>lbs</td>
<td>kg</td>
<td>lbs</td>
<td>kg</td>
</tr>
<tr>
<td>5’ 0”</td>
<td>3,550*</td>
<td>1,600*</td>
<td>3,800*</td>
<td>1,750*</td>
<td>7,200*</td>
<td>3,310*</td>
</tr>
<tr>
<td>10’ 0”</td>
<td>3,550*</td>
<td>1,600*</td>
<td>4,850*</td>
<td>2,260*</td>
<td>4,850*</td>
<td>2,650*</td>
</tr>
<tr>
<td>15’ 0”</td>
<td>3,350*</td>
<td>1,510*</td>
<td>3,750*</td>
<td>1,730*</td>
<td>3,450*</td>
<td>1,800*</td>
</tr>
<tr>
<td>20’ 0”</td>
<td>3,350*</td>
<td>1,510*</td>
<td>3,200*</td>
<td>1,480*</td>
<td>3,150*</td>
<td>1,800*</td>
</tr>
<tr>
<td>Cap at Max. Reach</td>
<td>3,350*</td>
<td>1,510*</td>
<td>3,350*</td>
<td>1,480*</td>
<td>3,150*</td>
<td>1,800*</td>
</tr>
</tbody>
</table>

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

**5’ 9” (1.75 m) Arm with 12’ 9” (3.89 m) Offset Boom and 460 lb. (210 kg) Bucket with Power-Boost Applied**

<table>
<thead>
<tr>
<th>Arm Length</th>
<th>+20’ 0”</th>
<th>+15’ 0”</th>
<th>+10’ 0”</th>
<th>+5’ 0”</th>
<th>Ground</th>
<th>Line</th>
</tr>
</thead>
<tbody>
<tr>
<td>(6.0 m)</td>
<td>lbs</td>
<td>kg</td>
<td>lbs</td>
<td>kg</td>
<td>lbs</td>
<td>kg</td>
</tr>
<tr>
<td>5’ 0”</td>
<td>3,550*</td>
<td>1,600*</td>
<td>3,800*</td>
<td>1,750*</td>
<td>7,200*</td>
<td>3,310*</td>
</tr>
<tr>
<td>10’ 0”</td>
<td>3,550*</td>
<td>1,600*</td>
<td>4,850*</td>
<td>2,260*</td>
<td>4,850*</td>
<td>2,650*</td>
</tr>
<tr>
<td>15’ 0”</td>
<td>3,350*</td>
<td>1,510*</td>
<td>3,750*</td>
<td>1,730*</td>
<td>3,450*</td>
<td>1,800*</td>
</tr>
<tr>
<td>20’ 0”</td>
<td>3,350*</td>
<td>1,510*</td>
<td>3,200*</td>
<td>1,480*</td>
<td>3,150*</td>
<td>1,800*</td>
</tr>
<tr>
<td>Cap at Max. Reach</td>
<td>3,350*</td>
<td>1,510*</td>
<td>3,350*</td>
<td>1,480*</td>
<td>3,150*</td>
<td>1,800*</td>
</tr>
</tbody>
</table>

*Note: All values are approximate and may vary depending on specific equipment model and conditions.*
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.”

### Radius of Load - Offset 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>+20° 0&quot; lbs</td>
<td>2,800*</td>
<td>2,800*</td>
<td></td>
<td>3,000*</td>
<td>3,000*</td>
</tr>
<tr>
<td>(6.0 m) kg</td>
<td>1,210*</td>
<td>1,210*</td>
<td></td>
<td>1,330*</td>
<td>1,330*</td>
</tr>
<tr>
<td>+15° 0&quot; lbs</td>
<td>3,350*</td>
<td>3,350*</td>
<td>3,250*</td>
<td>3,250*</td>
<td>2,750*</td>
</tr>
<tr>
<td>(4.5 m) kg</td>
<td>1,530*</td>
<td>1,530*</td>
<td>1,470*</td>
<td>1,470*</td>
<td>1,240*</td>
</tr>
<tr>
<td>+10° 0&quot; lbs</td>
<td>4,400*</td>
<td>4,400*</td>
<td>3,500*</td>
<td>3,300*</td>
<td>3,000*</td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td>2,030*</td>
<td>2,030*</td>
<td>1,620*</td>
<td>1,530*</td>
<td>1,370*</td>
</tr>
<tr>
<td>+5° 0&quot; lbs</td>
<td>6,050*</td>
<td>5,700*</td>
<td>4,250*</td>
<td>2,900*</td>
<td>3,200*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td>2,800*</td>
<td>2,650*</td>
<td>1,980*</td>
<td>1,360*</td>
<td>1,470*</td>
</tr>
<tr>
<td>Ground Line lbs</td>
<td>7,050*</td>
<td>4,900*</td>
<td>4,550*</td>
<td>2,600*</td>
<td>3,200*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td>3,250*</td>
<td>2,920*</td>
<td>2,200*</td>
<td>1,210*</td>
<td>1,490*</td>
</tr>
<tr>
<td>-5° 0&quot; lbs</td>
<td>6,900*</td>
<td>6,900*</td>
<td>6,850*</td>
<td>6,850*</td>
<td>3,100*</td>
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<tr>
<td>(1.5 m) kg</td>
<td>3,070*</td>
<td>3,070*</td>
<td>3,170*</td>
<td>3,170*</td>
<td>1,530*</td>
</tr>
<tr>
<td>-10° 0&quot; lbs</td>
<td>9,200*</td>
<td>9,200*</td>
<td>9,200*</td>
<td>9,200*</td>
<td>3,200*</td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td>4,290*</td>
<td>4,290*</td>
<td>4,290*</td>
<td>4,290*</td>
<td>1,460*</td>
</tr>
</tbody>
</table>

### Radius of Load - Offset 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>+20° 0&quot; lbs</td>
<td>2,800*</td>
<td>2,800*</td>
<td></td>
<td>3,000*</td>
<td>3,000*</td>
</tr>
<tr>
<td>(6.0 m) kg</td>
<td>1,210*</td>
<td>1,210*</td>
<td></td>
<td>1,330*</td>
<td>1,330*</td>
</tr>
<tr>
<td>+15° 0&quot; lbs</td>
<td>3,350*</td>
<td>3,350*</td>
<td>3,250*</td>
<td>3,250*</td>
<td>2,300*</td>
</tr>
<tr>
<td>(4.5 m) kg</td>
<td>1,530*</td>
<td>1,530*</td>
<td>1,470*</td>
<td>1,470*</td>
<td>1,040*</td>
</tr>
<tr>
<td>+10° 0&quot; lbs</td>
<td>4,400*</td>
<td>4,400*</td>
<td>3,450*</td>
<td>3,150*</td>
<td>1,950*</td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td>2,030*</td>
<td>2,030*</td>
<td>1,600*</td>
<td>1,460*</td>
<td>920*</td>
</tr>
<tr>
<td>+5° 0&quot; lbs</td>
<td>6,050*</td>
<td>5,450*</td>
<td>3,100*</td>
<td>2,800*</td>
<td>1,890*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td>2,800*</td>
<td>2,510*</td>
<td>1,440*</td>
<td>1,290*</td>
<td>850*</td>
</tr>
<tr>
<td>Ground Line lbs</td>
<td>5,350*</td>
<td>4,650*</td>
<td>2,750*</td>
<td>2,450*</td>
<td>1,700*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td>2,480*</td>
<td>2,160*</td>
<td>1,290*</td>
<td>1,150*</td>
<td>780*</td>
</tr>
<tr>
<td>-5° 0&quot; lbs</td>
<td>6,900*</td>
<td>6,900*</td>
<td>5,100*</td>
<td>4,450*</td>
<td>1,900*</td>
</tr>
<tr>
<td>(1.5 m) kg</td>
<td>3,070*</td>
<td>3,070*</td>
<td>2,380*</td>
<td>2,060*</td>
<td>850*</td>
</tr>
<tr>
<td>-10° 0&quot; lbs</td>
<td>9,200*</td>
<td>9,200*</td>
<td>5,200*</td>
<td>4,600*</td>
<td>2,850*</td>
</tr>
<tr>
<td>(3.0 m) kg</td>
<td>4,290*</td>
<td>4,290*</td>
<td>2,420*</td>
<td>2,140*</td>
<td>1,260*</td>
</tr>
</tbody>
</table>

**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.
### Standard and Optional 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
- Canada/US Connection
- Fuel Gauge
- Gate Lock
- ECO Gauge
- Emergency Exit and Hammer
- Face Vent
- Floor Mat
- FOPS Level 1 Certified
- FOPS Head Guard
- Front Guard (Metal)
- Front Guard (OG 1,2)
- Wiper Switch on RH Joystick
- Trip Meter (Digital)
- Radio Mute Switch
- Rear View Camera
- Rear View Mirror
- RemoteTelematics System
- Roof Sun Shade
- ROPS Certified
- Safety Glass Windows
- SCM Suspension Seat
- Selectable Monitor Languages
- Small Storage
- Travel Alarm with Cancel Switch
- Ignition Keys
- Engine Manual
- HD Bucket Linkage
- Easy Maintenance System (EMS)
- Lockable Tool Box
- Fuel Tank Belly Pan
- Upperstructure
- UNDERCARRIAGE
- 4 Lashing Points (Tie-Downs)
- 450 mm (17.7") Rubber pads (bolts directly to rail)
- 450 mm (17.7") Steel Grapples
- 3-Bar Steel Grapples
- 7" (18 cm) Hydraulically Operated Guard
- Ditch Safety Block
- Undercarriage
- 7.5" (23 cm) Rubber pads (bolts to rail)
- Ditch Safety Block
- Extra-Wide Track Chain
- Tread Adjustments
- 12" (30.5 cm) Main Boom Section
- HYDRAULICS
- Single-Acting Aux. with Pedal Activation
- Single-Acting Aux. with Proportional Joysticks
- Multi-Function Aux. with Proportional Joysticks
- Thumb Aux. with Proportional Joysticks
- Combination Aux. with Proportional Joysticks
- AUXILIARY HYDRAULIC OPTIONS - MONO BOOM
- Single-Acting Aux. with Pedal Activation
- Single-Acting Aux. with Proportional Joysticks
- Double-Acting Aux. with Proportional Joysticks
- AUXILIARY HYDRAULIC OPTIONS - OFFSET BOOM
- Single-Acting Aux. with Pedal Activation
- Single-Acting Aux. with Proportional Joysticks
- Double-Acting Aux. with Proportional Joysticks
- Equipment Key
- Standard ✗ Optionalt

### Bucket Sizes

<table>
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<tr>
<th>Bucket Type</th>
<th>SAE Heaped Capacity (yd³)</th>
<th>Width Outside Lip (in)</th>
<th>Bucket Weight (lb.)</th>
<th>Number of Teeth</th>
<th>Arm Length (5’’ 7’’)</th>
<th>Arm Length (6’’ 0’’)</th>
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<td>403</td>
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<td>27</td>
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</tbody>
</table>

### Standard and Optional Equipment

- Auto-Idle Engine Shutdown
- Auto Warm-Up System
- Auto-Idle
- Auto-Idle Engine Shutdown
- Battery Disconnect Switch
- CEGR (Cooled Exhaust Gas Recirculation)
- Cooling Fan
- Diesel Exhaust 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 De-Ice
- Idle-Start
- Intercooler
- Neutral Point De-Ice
- One-Touch Idle
- Radiator / Oil Cooler Protective Screen
- Remote Engine Oil Drain
- Remote Oil Filter
- Spark Arrestor Muffler
- Turbocharger with Heat Shield
- Horn
- On-Board Diagnostic System
- MP3 Auxiliary Input Jack
- Maintenance Interval Reminders
- Hour Meter (Digital)
- Engine Idle System
- Double-Acting Aux. with Proportional Joysticks
- Single-Acting Aux. with Pedal Activation
- Single-Acting Aux. with Pedal Activation
- Single-Acting Aux. with Proportional Joysticks
- Multi-Function Aux. with Proportional Joysticks
- Thumb Aux. with Proportional Joysticks
- Combination Aux. with Proportional Joysticks
- Bucket Anti-Clatter Device
- Air Filter (Double Element)
- Air Filter Restriction Indicator
- Auto-Warm-Up System
- Auto-Idle
- Auto-Idle Engine Shutdown
- Battery Disconnect Switch
- CEGR (Cooled Exhaust Gas Recirculation)
- Cooling Fan
- Diesel Exhaust Catalyst (DOC)
- Drain for Fuel Tank
- Dual Remote Fuel Filters with Water Separators
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