

**Link-Belt**  
EARTHMOVING • FORESTRY  
MATERIAL HANDLING EQUIPMENT

# 700LX

Operating Weight: 153,300 lbs (69 500 kg)

SAE Net Horsepower: 425 HP (317 kW)

Bucket Range: 2.12 – 4.89 yd<sup>3</sup> (1.62 – 3.74 m<sup>3</sup>)



## Designed for Durability and Performance...

### Smarter. Faster. Better.

**Inte-LX®** or **Intelligent LX** is the most advanced technology to date. Inte-LX® maximizes the balance between speed, power, and fuel efficiency. *Page 4*

### First Electronic Engine Control in an Excavator

This results in increased responsiveness to the job requirements; faster cycle times, increased fuel efficiency, cleaner and quieter. *Page 6*

### Reduced Maintenance and Extended Component Life

The Nephron® Filtration system means less wear and tear on the hydraulic components, reducing hydraulic system breakdowns and maintenance costs. *Page 8*

### Faster Cycle Times

A smarter more efficient hydraulic system uses dual pump flow, auto power swing and regenerative circuits for increased productivity. *Page 5*

### Anti-Theft System

To protect your investment, a password protected anti-theft system comes as standard equipment and can be activated at the users choice. *Page 4*

### Superior Serviceability

On-board diagnostics with memory and fewer hydraulic oil changes result in superior serviceability. *Page 8*

### Exceptional Travel Performance

High torque travel motors automatically shift to provide increased tractive effort when operating in difficult ground conditions. *Page 5*

### Maximized Operator Comfort

The industry's largest cab providing low noise, climate controlled heat and air conditioning, standard. *Page 3*

### Auto Power-Up

Auto power-up automatically increases system pressure by 9% to power through tough ground or when lifting a heavy load. *Page 4*

### Cleaner Side-Wall Cuts

With Auto Power-Swing, Inte-LX® automatically prioritizes swing torque when simultaneously working the swing and attachment. *Page 5*

### Low Ground Pressure and Exceptional Stability

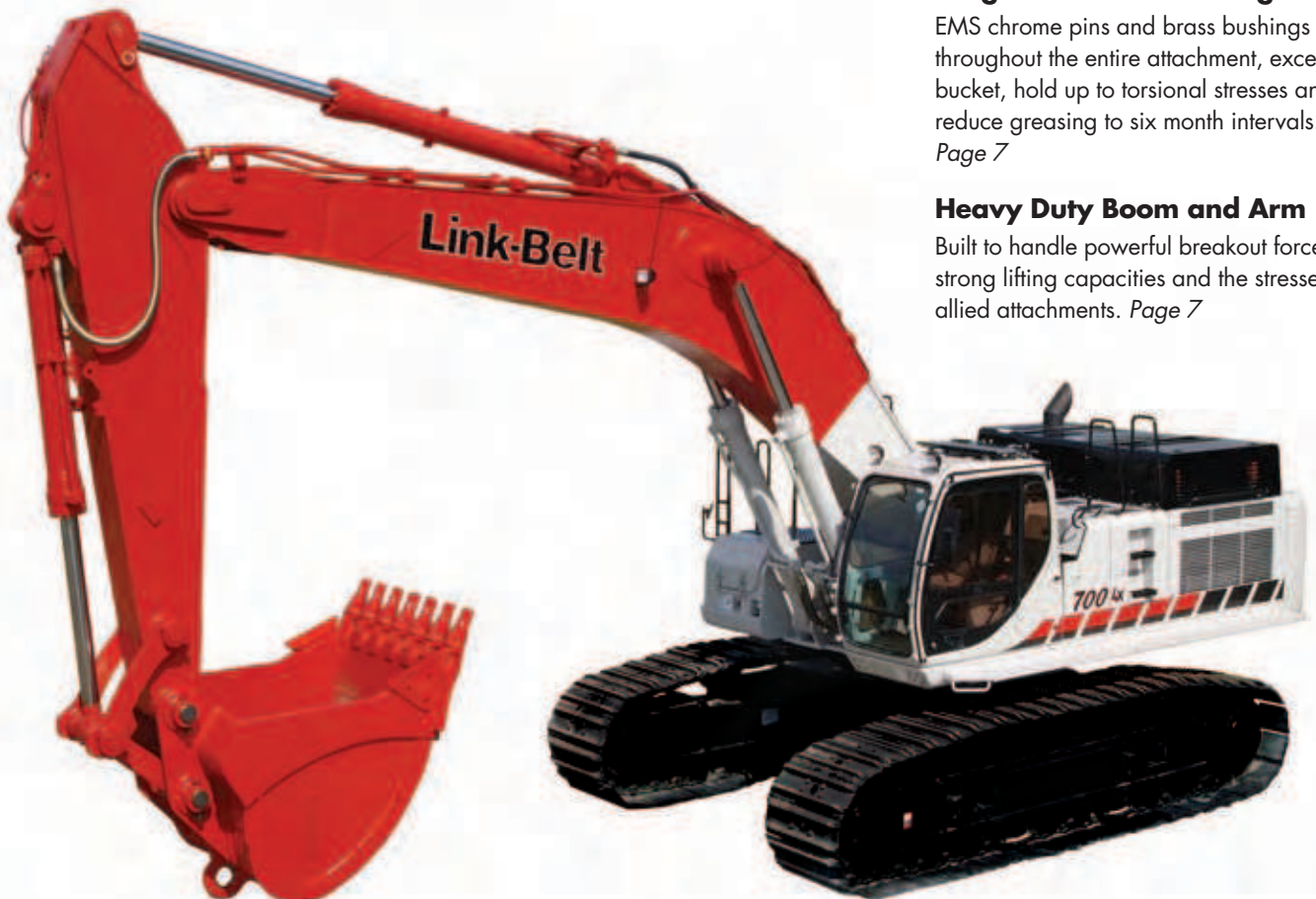
LC undercarriage for low ground pressure and stability incorporates heavy-duty excavator style components. *Page 7*

### Long Life Pin and Bushing Design

EMS chrome pins and brass bushings throughout the entire attachment, except bucket, hold up to torsional stresses and reduce greasing to six month intervals. *Page 7*

### Heavy Duty Boom and Arm

Built to handle powerful breakout forces, strong lifting capacities and the stresses of allied attachments. *Page 7*



# Operator's Control Station

## Large, Low Noise Cab Design

A wide cab design provides expanded leg and elbow room. **Six silicon filled isolation mounts** float the entire cab above the noise and vibration of an already quiet machine greatly reducing operator fatigue. Large entry door and access width makes entering and exiting the cab a breeze.

## Control Panel

Many machine function switches are concentrated in a panel in clear view and easy reach of the operator.

## Tilting Console and Sliding Seat

The seat slides independently of the control consoles to assure optimal joystick positions at all times.

The joysticks can be tilted to any of three settings, allowing the operator to work in the most comfortable position. The entire platform can then be moved forward or backward for best foot pedal positioning.



## Panoramic Visibility

This cab provides more window space than ever. Even the sunroof is large. The Operator's "office with a view" has rear and side windows made of LEXAN® MARGUARD™. Standard vandal covers protect the safety glass front windows and stow on top when you're working.

## Informative LCD Monitor

Large size LCD Monitor displays graphically a wide range of operating information such as; engine temperature, hydraulic oil temperature, fuel level, travel speed, work mode and engine idle. Additional messages include system/machine warnings and service due messages in your choice of English and 13 other languages. Backlit illumination ensures displays are always readable – day and night.

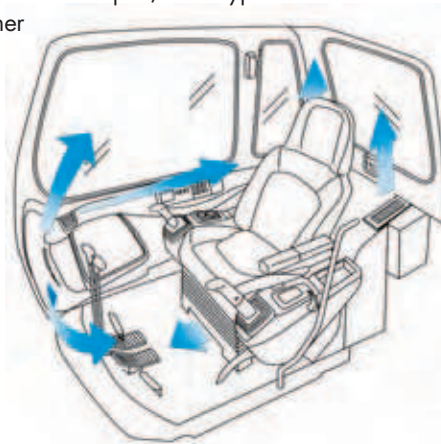


## All Weather Visibility

With built-in washer and intermittent speed control, the wiper keeps your windshield clear, whatever the condition outside. The "rise-up" design takes the wiper arm and blade out of the line of sight when its not in use, plus lifts the blade from the cab surface so that it doesn't freeze to the cab in icy weather.

## Climate Control

LX provides exceptional heating/cooling capabilities with a climate control system that automatically regulates the temperature for the operator's comfort. Now with 6 vents, LX Series excavators provide exceptional air circulation for optimum operator comfort. Front-side air outlet and defroster ensure a comfortable operating environment while the open/close type rear window further improves the ventilation.



## Best Seat at the Site

The KAB 515 seat adjusts to your size and comfort. The semi-bucket seat provides firm support and comfort with armrests, adjustable seat suspension, adjustable lumbar support, and durable urethane cushions.

## Tripmeter

In addition to the hour meter, LX has added a Tripmeter. Every job or application can be measured.

## AM/FM Stereo Radio

Standard equipment.

## Emergency Escape Window

Allows operator to escape from the rear window in case of emergency.

## Inte-LX®

Inte-LX®, the intelligent computer command control system monitors hydraulic output, pressures, and regulates engine performance for the maximum balance between speed, power and fuel efficiency needed to handle the job.

### Auto Power-Up

The LX series can quickly respond to changes in operating conditions, automatically supplying a power increase, without operator interaction and regardless of the work mode. Hydraulic pressure sensors detect resistance and pressure is increased by 9% for 8 seconds. Auto Power-Up stays on 100% of the time in the "L" mode.

### Anti-Theft Device

Your Link-Belt distributor can set up your Inte-LX® control system to include a password protection feature that requires the password to start and run the machine.

### One-Touch and Auto Idle Control

When user-preset time has elapsed after leaving the control handles in the neutral position, auto-idling automatically drops the engine to idle speed (1200 rpm). Or, you can choose to use the one-touch idling switch, located at the top of the right controller to manually drop the engine idle to 900 rpm.

### Control Pattern Selector Valve (CPSV)

Standard equipment control pattern selector valve makes it easy to quickly switch between SAE and ISO controls. Easy access in the compartment behind the cab.



### Operating Modes

The LX series enables the operator to have a choice on how the machine is operated. Simply choose the work mode that matches the machine's output to the job application. Five operating modes are available.

#### A: Auto-Mode

The most revolutionary approach to maximizing power & fuel efficiency available today. Just select the Auto-Mode with the switch panel. Using actual working pressure readings, Inte-LX® instantly changes modes assuring the best combination of speed and power while you can stay focused on the work at hand.

#### H: Heavy Mode

For heavy excavation or whenever you need extra power.

#### S: Standard Mode

For standard digging and loading operations reducing fuel consumption.

#### L: Lift Mode

For lifting and other operations that need fingertip accuracy.



### Allied Attachment Work Mode

Automatically adjusts engine speed and pump output to match additional attachments such as hammers. The engine rpm's can be pre-set to match the hydraulic requirements.

### On-Board Diagnostics

An on-board diagnostic system allows service personnel to quickly analyze up to 148 items in four categories;

- **Machine Status:** The diagnostic system provides a detailed view of pump pressure, engine rpm, water temperature, oil temperature, fuel temperature, throttle setting and ongoing operating functions such as auto power-up and auto-mode.
- **Troubleshooting:** Service personnel can easily locate system faults such as machine and engine sensor failures.
- **History:** An on-going record of machine faults is stored in the computer including the hour meter reading at time of the fault to assist in the diagnostics procedure.
- **Systems Configuration:** Service personnel can change machine operating characteristics such as; time delay for auto-idle, language selection, and engine rpm preset for allied attachment mode.

# Performance

## Advanced Hydraulic System

### Top-of-the-Class Cycle Times/Fuel Efficient

The LX Series hydraulic system efficiently delivers power, speed and control when and where it's needed. Fuel consumption and cycle times are more efficient in swing/dump operations over conventional models. This is accomplished by reducing system pressure loss, re-using return oil and providing double pump flow during key operations.

## Regeneration System

By re-using the returning oil from the arm and the boom, ground excavating operation speed is increased.

## Two Hydraulic Return Lines

Two hydraulic return lines mean faster speed in the system, and reduces back pressure build-up.

## 2 Speed Boom and Arm

The 2-speed boom lifting and arm opening and closing function provides the LX series with top-of-its-class lifting speed especially in swing/excavating simultaneous operations such as truck loading.

## Boom Priority

For faster cycle times, hydraulic oil can be prioritized to the boom circuit during the raise function to get loads up and out of the trench quicker. A switch located on the left hand console allows you to turn this function on and off.

## Auto Power-Swing

This patent pending design incorporates a selector valve that helps maintain attachment and hydraulic flow to achieve excellent swing and digging forces in side wall-cut operations. In normal digging when side pressure is not needed, LX sends all the flow to the attachment always insuring the best performance for either operation.

## Cushioned Swing

This built-in special cushion valve greatly reduces the shock and vibration at the end of each swing cycle.

## Cushioned Attachment Control

In addition to having cushioned cylinders, selectable cushioned attachment control lets you smooth out the attachment movements. A cushion valve in the boom and arm circuits reduce shock loading and vibration during attachment operation.

## Free Swing

Allows the operator to disengage the swing brake providing crane-like precision and control when handling loads.

## Single Pedal Travel

Allows the operator to engage both tracks at the same time using only one pedal. This keeps the machine in line with the ditch and provides safety and ease in loading/unloading the machine for transport.

## Automatic Speed Shifting

When operating in difficult travel conditions, the travel motor automatically downshifts from high to low speed for increased tractive effort and then automatically returns to high speed when travel conditions permit.

## Fuel Tank Capacity

The LX Series fuel tank provides the capacity to reduce refueling frequency, allowing for an extended work day.



## Dependable Isuzu Power



### First In Class

The 700 LX is the first excavator in its class to utilize an electronic engine control function. By optimizing the level of fuel injection to match the load, this responsive new system assures more efficient use of fuel, plus by keeping the engine closer to the target engine speed, less lugging takes place so cycle times are faster, exhaust noise, vibration, and smoke are reduced making the environment in the cab and around the machine cleaner and quieter.

### Electronic Engine Control (EEC)

Inte-LX® maintains engine rpm's when load demands change. Engines equipped with mechanical governors spike rpm's up-and-down when operating loads increase and decrease. This phenomena causes engines to consume extra fuel and be louder.

### Cleaner Emissions

Isuzu Tier III engines incorporate exhaust gas recirculation technology and fuel cooling to help reduce noxious emissions for a cleaner environment.

### Tier III Certified

LX engines meet EPA standards requirements.

### Idle Start

At start-up, the engine defaults to idle regardless of throttle position. This prevents over-revving a cold engine, helping to extend its service life.

### Low Idle Up

When low temperatures or other conditions reduce engine rpm to a point that alternator output won't keep the battery charged, Inte-LX® automatically increases the idle speed from 900 to 1100 rpm keeping the batteries fully charged.

### Auto Engine Warm-Up

If the engine temperature is low following start-up, the auto warm-up system will operate automatically and continue with engine speed increasing gradually until normal engine operating temperatures are reached.

### Air Filtration

LX Series engines are equipped with a pre-cleaning dual element air filter with an evacuator cup, a restriction indicator and ground line serviceability for ease of maintenance.

### Hydraulic-Driven Cooling Fan

A variable speed, hydraulic-driven fan provides optimum temperature control for the 700's cooling system independent of engine speed. At lower temperatures, fan speed is minimal. As system temperatures rise, so does the cooling fan speed. This helps to reduce power consumption and noise. Fan rotation can be reversed to blow dust and debris from the fins for efficient cooling capacity and ease of maintenance.

Fan Reverse Switch



### Larger Muffler

The LX series features a larger muffler which absorbs more sound and makes this the quietest Link-Belt yet.

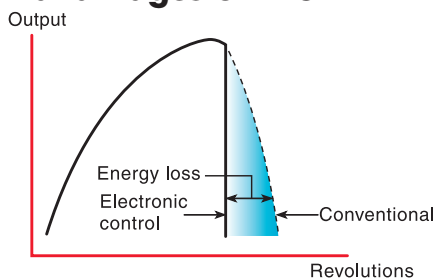
### Emergency Engine Shutdown

In emergency situations, the engine can be shut down with the push of a switch located on the control panel in the cab. This switch must be re-engaged prior to restarting the engine.

### Engine Product Support

Isuzu North America offers 24-hour access to their full line of engine parts through 2 regional distribution centers, 27 Master Distributors and 690 Authorized Service Dealers.

## Advantages of EEC



Maintaining engine revolution at a fixed rate regardless of the load prevents the energy loss that occurs when shifting cycle times to accommodate higher or lower loads.

### Low Fuel Consumption

The electronic governor responds to changes in operating loads quicker than a mechanical governor. As a result, EEC regulates the amount of fuel injection accurately and quickly.

### Lower, Cleaner Emissions

Low fuel consumption results in high ignition efficiency (cleaner emission) and low emissions.

### Low Sound Levels

At high idle, EEC can control engine speed at rated horsepower. This means the engine doesn't overrun, resulting in lower sound levels.

### Low Vibration

EEC causes engine rpm to be stable, resulting in low vibration.

# Upper and Attachments

## Powerful Breakout Forces

Deep and wide box sections of high yield steel and deep groove welding hold up to high breakout forces, strong lifting capacities and the stresses of **allied attachments** such as hammers, thumbs, compactors, shears, grapples and crushers.

## Strength and Durability

LX heavy duty booms and arms have internal baffles which provide better strength and durability to withstand torsional loads.

## Improved Pin and Bushing Life

EMS chrome plated pins with brass bushings throughout the entire attachment (except bucket) make a durable and long



lasting connection at these high stress points. This also makes it possible to extend the lubrication interval on this type of pin to once every 6 months or 1,000 hours of operation, whichever comes first.

- A. The surface of the bushing is stratified with a solid lubricant in hard brass to protect the parts from abrasion.
- B. The pin's surface is plate-processed to increase hardness and protect from abrasion.
- C. The original dust seal is double-structured to keep out dust and dirt and protect from subsequent abrasion.

**Four Arm Choices** and a wide variety of buckets provide the reach and breakout forces for optimum productivity.

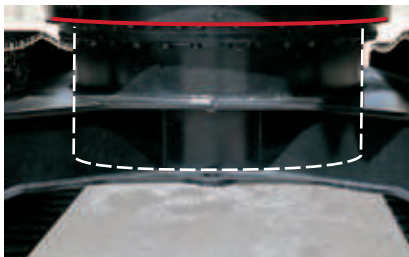
## Mass Excavator Version

The 700 LX can be set up as a mass excavator with shorter boom and arm, and larger buckets, for increased production in high capacity applications.

# Undercarriage

## LC Undercarriage

Long undercarriages incorporate heavy duty excavator style components and improve both stability and ground bearing pressure. The modified X style carbody is integrally welded for maximum strength and durability. High torque compact final drives keep you going up steep grades and through deep mud.



## Bearing Tub

Built into the "X" style carbody is the turntable bearing "tub" which extends down through the top plate and is welded to the bottom of the carbody as well as the top for increased strength and durability.



## Two-Speed Travel Motor

Offers smooth shifting and the needed pull when going up grades and making turns.

## Strut Type Chain Links

There are no weak links in our chain. Struts reduce twisting and hold up to severe point loading when all of the machine weight is transferred through one roller.

## Track Rollers

Filled with synthetic oil to reduce heat build up and for long term reliability.

## Track Adjustment

Adjustments are made easy with standard grease cylinder track adjusters and shock absorbing springs.

## Side Frames

Incorporate a peaked saddle shape and large cut-outs on top for reduced dirt build-up.

## Heavy Duty Swivel Guard

Standard equipment swivel guard protects internal carbody components from damage, saving you unnecessary repair expense and downtime.

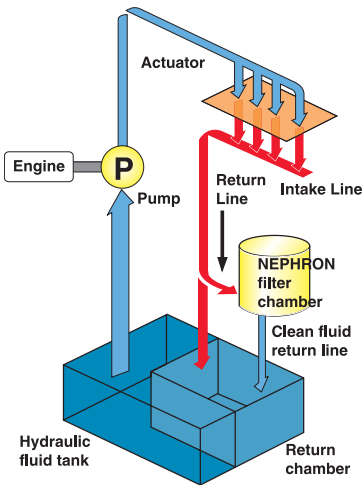
# Reliability/Serviceability

## Nephron® Filtration Extends the Service Life of the Hydraulic System

The Nephron® Filtration System eliminates contaminants of 1 micron or more in size. This significantly reduces hydraulic system breakdown and maintenance costs under normal usage. Less wear and tear on the hydraulic components means more years of reliable performance.

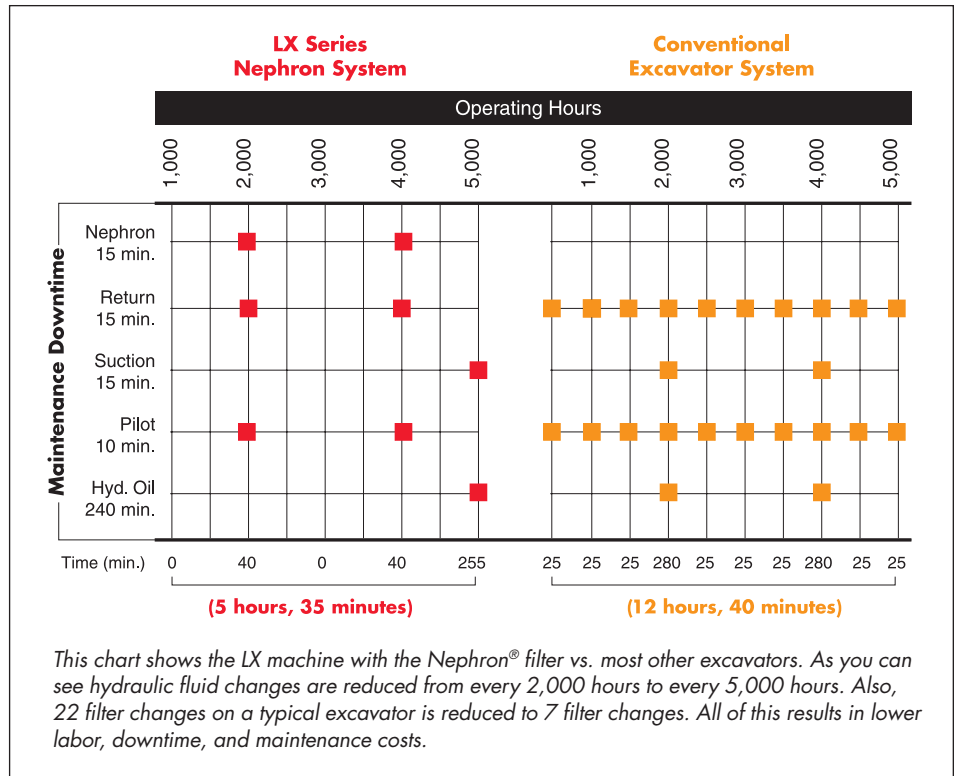
### Nephron® Filter Advantages

1. Problems associated with hydraulic system contamination are substantially reduced. Machine down time and costs for repairing are saved as a consequence.
2. The interval of hydraulic oil replacement is extended to every 5000 hours.
3. The wear of hydraulic components is reduced, which lengthens the service life of the machine.



### Inte-LX® On-Board Diagnostics

Inte-LX® monitors, stores, and displays information about the electrical and hydraulic systems such as; the current machine conditions, diagnostic warnings, history, and machine default settings. Information stored in Inte-LX® can also be downloaded to your personal computer using standard connectors.



### Large wide opening access doors

These doors make it easy to get to all routine maintenance locations.

### Reversible Fan

For easy clean-out of the cooling fins, the rotation of the hydraulically-driven fan can be reversed to draw dust and debris out for ease of maintenance. A switch located on the left hand console activates the reverse rotation at engine start-up. During reverse rotation, no work functions can be engaged to prevent continuous operation in this mode.

### Hydraulic Fittings

"O" ring face seals are used as hydraulic connectors to assure tighter seals.

### Air Conditioner Air Intake Filter

This filter lets in fresh clean air and is mounted on the outside of the cab, enabling easy cleaning and replacement.

### Sealed Automotive Style Wiring Harness

These harnesses are sealed to eliminate dirt and moisture that can cause a circuit to short out. Wiring is also color and number coded to make trouble shooting faster and easier.

### Exceptional Customer/Product Support

Your investment in the Link-Belt LX Series Excavator is always protected. LBX Distribution is located from coast to coast; you're never far from quality service professionals. "Level Two" support takes the form of experienced factory service advisors, on-call at a moment's notice. And to expedite parts, LBX utilizes the proven parts system e-Spin...an on-line, around the clock parts distribution solution. You can be assured that we have the parts when you need them.



# Specifications

## Engine

Isuzu AH-6WG1X-S Turbo charged, intercooled, 4-cycle diesel, 6 cylinder in-line, direct injection, 958 CID (15 700 cc), 5.78" (147 mm) bore x 6.06" (154 mm) stroke.

SAE net horsepower .. 425 HP (317 kW) @ 1,800 rpm  
 Maximum torque ..... 1,460 ft-lbs. (1 980 N-m) @ 1,500 rpm  
 Starter ..... 24V  
 Alternator ..... 50 amp  
 Air cleaner ..... Double element  
 Governor ..... Electronic

## Fuel Usage\*

Heavy ..... 18.1 gph (68.5 l/hr)  
 Average ..... 14.9 gph (56.4 l/hr)  
 Light ..... 11.8 gph (44.6 l/hr)

\*Fuel economy varies widely depending upon application. The "heavy" category represents nearly continuous operation in tough digging applications. The "light" category represents applications that utilize the machine about 50% of the time in easier digging.

## Hydraulic System

Two variable displacement axial piston pumps and one gear pump for pilot controls

### Hydraulic Pumps

Two variable volume piston pumps provide power for attachment, swing and travel.

Maximum flow ..... 2 x 116.2 gpm (2 x 440 l/min)  
 Pilot pump max. flow ..... 7.1 gpm (27 l/min)

### Relief Valve Settings

Boom/arm/bucket ..... 4,551 psi (320 kg/cm<sup>2</sup>)  
 Swing circuit ..... 4,053 psi (285 kg/cm<sup>2</sup>)  
 Travel circuit ..... 4,978 psi (350 kg/cm<sup>2</sup>)

### Hydraulic Cylinders

number of cylinders – bore x rod x stroke  
 Boom ..... 2 - 7.5" x 5.1" x 71.0"  
 (190 mm x 130 mm x 1 805 mm)  
 Arm ..... 1 - 7.9" x 5.5" x 79.7"  
 (200 mm x 140 mm x 2 025 mm)  
 Excavator Bucket ..... 1 - 7.0" x 4.9" x 57.7"  
 (180 mm x 125 mm x 1 465 mm)  
 Excavator Bucket (Mass) ..... 1 - 7.87" x 5.51" x 57"  
 (200 mm x 140 mm x 1 450 mm)

**Control Valve** One 4-spool valve for right track travel, boom, bucket, and arm acceleration, and one 5-spool valve for left track travel, swing, boom acceleration, auxiliary spool and arm.

### Oil Filtration

Nephron® filter ..... 1 micron  
 Return and pilot filters ..... 10 micron  
 Suction screen ..... 105 micron

## Cab and Controls

Cab mounted on 6 fluid filled mountings. Features include safety glass windows, sliding front window with auto-lock. Windshield washer and wiper, heater, air-conditioner, AM/FM radio with auto tuner, floor mat, skylight window and right and rear side mirrors. KAB 51.5 operators seat with manual weight adjustment, seat height and tilt adjustment, adjustable headrest, backrest angle adjustment, adjustable pivoting arm rests and seat belt. Control pattern selector valve. Reliable soft-touch switches.

## Swing

Fixed displacement axial piston motor. Internal ring gear with grease cavity for swing pinion. Swing bearing is single-row shear type ball bearing. Swing cushion valve and dual stage relief valves for smooth swing deceleration and stops. Mechanical disc swing brake.

Swing speed ..... 0 – 6.5 rpm  
 Tail swing ..... 13' 2" (4.0 m)  
 Swing torque ..... 177,752 lbf-ft. (241 kN•m)

## Undercarriage

X-style carbody is integrally welded for strength and durability. Grease cylinder track adjusters with shock absorbing springs. Undercarriage equipped with sealed track, lubricated rollers and idlers. Double-bar grouser track shoes.

Carrier rollers ..... 3 per side  
 Track rollers ..... 8 per side  
 Track link pitch ..... 10.25" (260 mm)  
 Shoes ..... 47 per side  
 Shoe width ..... 35.5" (900 mm)  
 Ground pressure ..... 10.7 psi (.75 kg/cm<sup>2</sup>)

## Travel System

Variable displacement axial piston motor. Mechanical disc brake. All hydraulic components mounted within the width of side frame.

Max. travel speed ..... 1.9/2.5 mph (3.0/4.1 km/h)  
 Gradeability ..... 70%

## Lubricant and Coolant Capacity

Hydraulic tank ..... 82 gal. (310 liters)  
 Hydraulic system ..... 172 gal. (650 liters)  
 Final drive (per side) ..... 8 gal. (30 liters)  
 Engine ..... 13.7 gal. (52 liters)  
 Fuel tank ..... 238 gal. (900 liters)  
 Cooling system ..... 30 gal. (112 liters)

## Attachment

Excavator Boom (Standard) ..... 25' 3" (7.70 m)  
 Excavator Boom (Mass) ..... 21' 7" (6.58 m)

### Available Arms (Standard) Digging Force\*

- 9' 10" (3.0 m) ..... 54,850 lbf. (244 kN)  
 in Auto Power-Up Mode ..... 60,020 lbf. (267 kN)
- 11' 8" (3.55 m) ..... 50,360 lbf. (224 kN)  
 in Auto Power-Up Mode ..... 55,080 lbf. (245 kN)
- 13' 6" (4.11 m) ..... 45,410 lbf. (202 kN)  
 in Auto Power-Up Mode ..... 49,680 lbf. (221 kN)
- 16' 5" (5.0 m) ..... 39,360 lbf. (175 kN)  
 in Auto Power-Up Mode ..... 43,050 lbf. (192 kN)

**Bucket Digging Force** ..... 65,200 lbf. (290 kN)  
 in Auto Power-Up Mode ..... 71,260 lbf. (317 kN)

### Available Arms (Mass)

- 9' 10" (3.0 m) ..... 53,280 lbf. (237 kN)  
 in Auto Power-Up Mode ..... 58,230 lbf. (259 kN)

**Bucket Digging Force** ..... 75,090 lbf. (334 kN)  
 in Auto Power-Up Mode ..... 82,280 lbf. (365 kN)

\*Digging force ratings are based on ISO 6015, "Earthmoving Machinery – Hydraulic Excavators – Tool Forces".

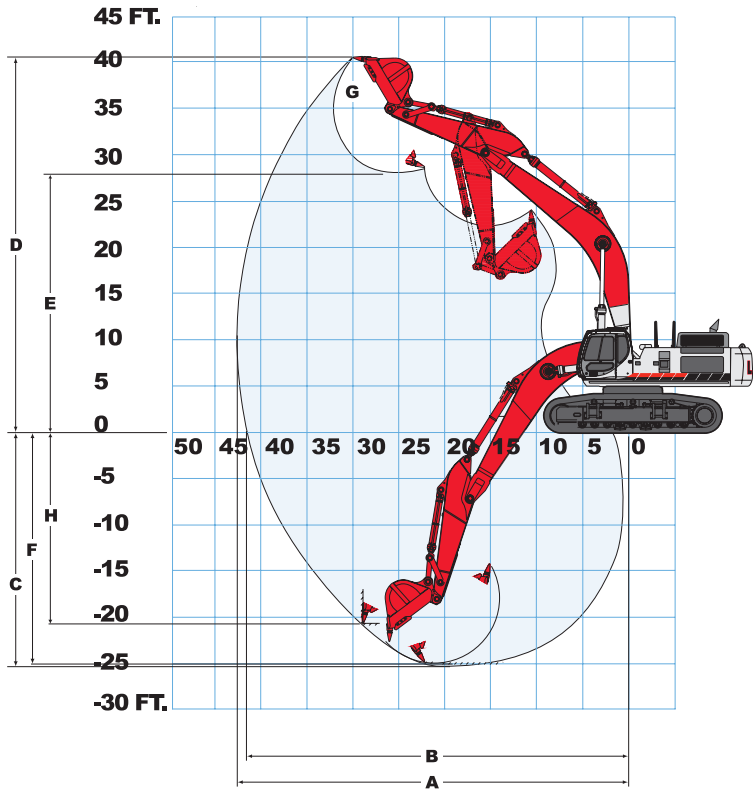
## Operating Weight

**Standard Excavator** - Working weight with 35.5" (900 mm) shoes, 25' 3" (7.70 m) boom, 11' 6" (3.55 m) arm ... 153,300 lbs. (69 500 kg)

**Mass Excavator** - Working weight with 35.5" (900 mm) shoes, 21' 7" (6.58 m) boom, 9' 10" (3.0 m) arm ..... 153,700 lbs. (69 700 kg)

## Specifications

### Working Ranges



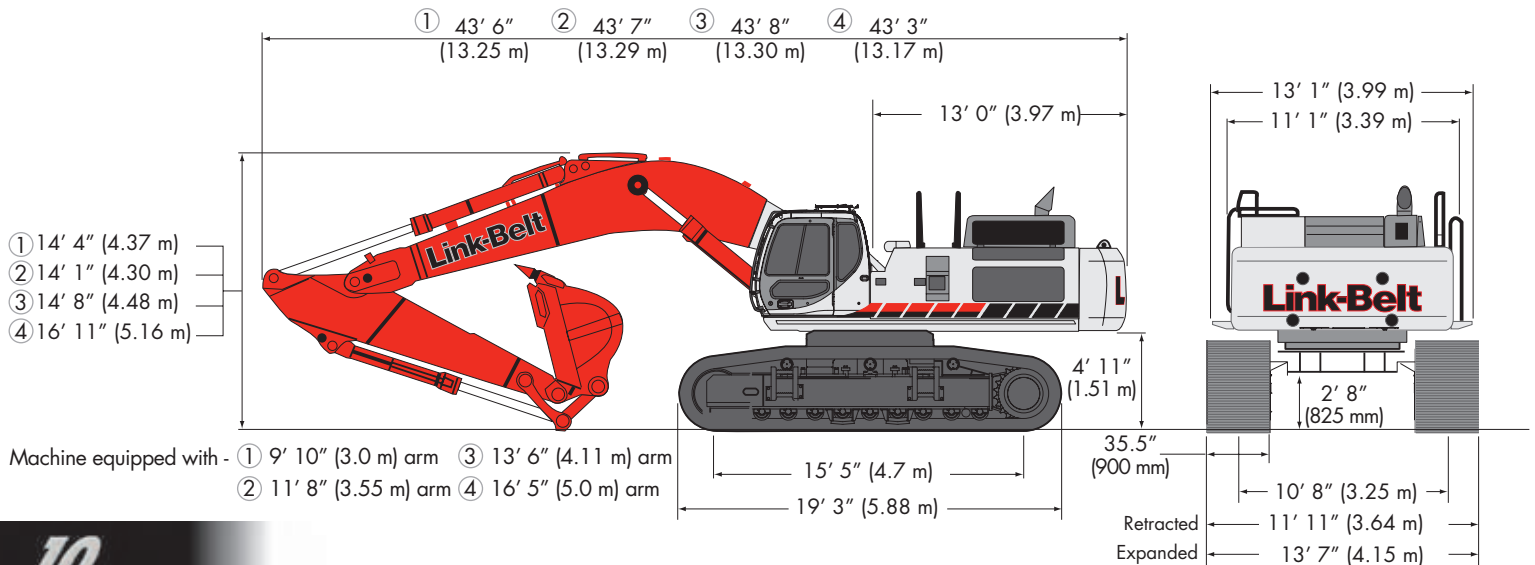
### Standard Excavator

Machine equipped with 25' 3" (7.70 m) boom.	9' 10" Arm (3.0 m)	11' 8" Arm (3.55 m)	13' 6" Arm (4.11 m)	16' 5" Arm (5.0 m)
<b>A</b> Max. digging radius	42' 3" (12.87 m)	43' 2" (13.16 m)	44' 9" (13.65 m)	47' 11" (14.60 m)
<b>B</b> Max. digging radius @ ground level	41' 4" (12.60 m)	42' 4" (12.90 m)	43' 11" (13.40 m)	46' 11" (14.30 m)
<b>C</b> Max. digging depth	25' 10" (7.87 m)	27' 0" (8.40 m)	29' 5" (8.97 m)	32' 4" (9.85 m)
<b>D</b> Max. digging height	40' 8" (12.40 m)	39' 1" (11.92 m)	39' 6" (12.04 m)	41' 8" (12.70 m)
<b>E</b> Max. dumping height	27' 4" (8.33 m)	26' 4" (8.02 m)	26' 9" (8.16 m)	28' 7" (8.71 m)
<b>F</b> Digging depth - 8' (2.44 m) level bottom	25' 4" (7.72 m)	27' 2" (8.27 m)	29' 0" (8.85 m)	32' 0" (9.75 m)
<b>G</b> Bucket wrist angle	175°	175°	175°	175°
<b>H</b> Max. vertical wall depth	22' 5" (6.85 m)	22' 6" (6.87 m)	24' 2" (7.36 m)	28' 4" (8.63 m)

### Mass Excavator

Machine equipped with 21' 7" (6.58 m) boom.	9' 10" Arm (3.0 m)
<b>A</b> Max. digging radius	38' 7" (11.75 m)
<b>B</b> Max. digging radius @ ground level	37' 7" (11.46 m)
<b>C</b> Max. digging depth	23' 6" (7.18 m)
<b>D</b> Max. digging height	36' 6" (11.13 m)
<b>E</b> Max. dumping height	23' 1" (7.04 m)
<b>F</b> Digging depth - 8' (2.44 m) level bottom	23' 1" (7.04 m)
<b>G</b> Bucket wrist angle	170°
<b>H</b> Max. vertical wall depth	16' 8" (5.1 m)

### Dimensions



# Lifting Capacities

## 9' 10" (3.0 m) Arm

25' 3" (7.70 m) Boom

Bucket Hook Height		Radius of Load														
		10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		Cap. at Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+35' 0" (10.66 m)	lbs. kg														17,050* 7 734*	17,050* 7 734*
+30' 0" (9.14 m)	lbs. kg														15,800* 7 167*	15,800* 7 167*
+25' 0" (7.62 m)	lbs. kg									26,750* 12 134*	25,350* 11 499*				15,150* 6 872*	15,150* 6 872*
+20' 0" (6.10 m)	lbs. kg							31,800* 14 424	31,800* 14 424	28,350* 12 859*	24,850* 11 272				14,900* 6 759*	14,250* 6 464*
+15' 0" (4.57 m)	lbs. kg			60,050* 27 238*	60,050* 27 238*	43,800* 19 867*	43,800* 19 867*	35,200* 15 966*	32,850* 14 901*	30,150* 13 676*	23,900* 10 841	26,950* 12 224*	17,750* 8 051	15,000* 6 804*	13,150* 5 965	
+10' 0" (3.05 m)	lbs. kg			64,000* 29 030*	64,000* 29 030*	48,650* 22 067*	45,050* 20 434	37,150* 16 851*	31,400* 14 243	30,950* 14 039*	23,000* 10 433	26,550* 12 043*	17,300* 7 847	15,400* 6 985*	12,650* 5 738	
+5' 0" (1.52 m)	lbs. kg					54,550* 24 743*	41,300* 18 733	41,750* 18 937*	29,250* 13 268	33,500* 15 195*	21,750* 9 866	25,900* 11 748	16,600* 7 530	16,100* 7 303*	12,700* 5 761	
Ground Line	lbs. kg			30,850* 13 993*	30,850* 13 993*	56,200* 25 492*	39,850* 18 076	43,200* 19 595*	28,100* 12 746	32,700* 14 832	21,000* 9 525	25,450* 11 544	16,200* 7 348	17,300* 7 847*	13,350* 6 055	
-5' 0" (1.52 m)	lbs. kg	27,250* 12 360*	27,250* 12 360*	42,850* 19 436*	42,850* 19 436*	55,200* 25 038*	39,650* 17 985	42,850* 19 436*	27,550* 12 496	32,300* 14 651	20,600* 9 344	25,300* 11 476	16,050* 7 280	19,050* 8 641*	14,800* 6 713	
-10' 0" (3.05 m)	lbs. kg	39,650* 17 985*	39,650* 17 985*	59,800* 27 125*	59,800* 27 125*	51,800* 23 496*	39,950* 18 121	40,600* 18 416*	27,600* 12 519	32,000* 14 515	20,600* 9 344			20,600* 9 344*	17,550* 7 961	
-15' 0" (4.57 m)	lbs. kg	57,650* 26 150*	57,650* 26 150*	58,000* 26 308*	58,000* 26 308*	45,350* 20 570*	40,700* 18 461	35,350* 16 034*	28,150* 12 769	25,650* 11 635*	21,250* 9 639			16,350* 7 416*	16,350* 7 416*	
-20' 0" (6.10 m)	lbs. kg			43,300* 19 641*	43,300* 19 641*	33,900* 15 377*	33,900* 15 377*	23,600* 10 705*	23,600* 10 705*							

## 11' 8" (3.55 m) Arm

25' 3" (7.70 m) Boom

Bucket Hook Height		Radius of Load														
		10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		Cap. at Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+35' 0" (10.66 m)	lbs. kg														14,450* 6 554*	14,450* 6 554*
+30' 0" (9.14 m)	lbs. kg														13,600* 6 169*	13,600* 6 169*
+25' 0" (7.62 m)	lbs. kg									25,250* 11 453*	25,250* 11 453*				13,300* 6 033*	13,300* 6 033*
+20' 0" (6.10 m)	lbs. kg									26,750* 12 134*	25,200* 11 431	20,650* 9 367*	18,400* 8 346	13,350* 6 055*	13,350* 6 055*	
+15' 0" (4.57 m)	lbs. kg			37,250* 16 896*	37,250* 16 896*	41,150* 18 665*	41,150* 18 665*	33,400* 15 150*	32,950* 14 946*	28,750* 13 041*	24,200* 10 977	25,550* 11 589*	17,950* 8 142	13,700* 6 214*	12,550* 5 693	
+10' 0" (3.05 m)	lbs. kg			64,000* 29 030*	64,000* 29 030*	48,650* 22 067*	45,050* 20 434	37,150* 16 851*	31,400* 14 243	30,950* 14 039*	23,000* 10 433	26,550* 12 043*	17,300* 7 847	14,350* 6 509*	12,050* 5 466	
+5' 0" (1.52 m)	lbs. kg			38,300* 17 373*	38,300* 17 373*	54,550* 24 743*	42,000* 19 051	40,600* 18 416*	29,550* 13 404	32,800* 14 878*	21,900* 9 934	25,950* 11 771	16,650* 7 552	15,400* 6 985*	12,050* 5 466	
Ground Line	lbs. kg			39,150* 17 758*	39,150* 17 758*	56,350* 25 560*	40,100* 18 189	42,700* 19 368*	28,250* 12 814	32,800* 14 878	21,000* 9 525	25,350* 11 499	16,100* 7 303	16,900* 7 666*	12,550* 5 693	
-5' 0" (1.52 m)	lbs. kg	32,950* 14 946*	32,950* 14 946*	50,200* 22 770*	50,200* 22 770*	55,700* 25 265*	39,450* 17 894	42,900* 19 459*	27,500* 12 474	32,200* 14 606	20,500* 9 299	25,050* 11 362	15,800* 7 167	19,150* 8 686*	13,750* 6 237	
-10' 0" (3.05 m)	lbs. kg	42,300* 19 187*	42,300* 19 187*	63,500* 28 803*	62,950* 28 554*	53,250* 24 154*	39,600* 17 962	41,400* 18 779*	27,350* 12 406	32,050* 14 538	20,350* 9 231			21,900* 9 934*	16,100* 7 303	
-15' 0" (4.57 m)	lbs. kg	57,300* 25 991*	57,300* 25 991*	62,500* 28 350*	62,500* 28 350*	47,950* 21 750*	40,200* 18 234	37,400* 16 964*	27,700* 12 565	28,700* 13 018*	20,700* 9 389			18,300* 8 301*	18,300* 8 301*	
-20' 0" (6.10 m)	lbs. kg	64,700* 29 347*	64,700* 29 347*	49,650* 22 521*	49,650* 22 521*	38,600* 17 509*	38,600* 17 509*	28,950* 13 132*	28,550* 12 950							

### Notes: Excavator lifting capacities

- Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
- 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.
- 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.
- Least stable position is over the side.
- Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by LBX before operating the machine.
- Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company, LLC.
- Lift capacity ratings are based on SAE J1097, "Lift Capacity Calculation and Test Procedure".

## Lifting Capacities

### 13' 6" (4.11 m) Arm

25' 3" (7.70 m) Boom

Bucket Hook Height		Radius of Load														Cap. at Max Reach		
		10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		40' 0" (12.19 m)				
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+35' 0" (10.66 m)	lbs. kg																12,200* 5 534*	12,200* 5 534*
+30' 0" (9.14 m)	lbs. kg																11,550* 5 239*	11,550* 5 239*
+25' 0" (7.62 m)	lbs. kg																11,350* 5 148*	11,350* 5 148*
+20' 0" (6.10 m)	lbs. kg									25,400* 11 521*	25,400* 11 521*	21,000* 9 525*	19,050* 8 641*				11,400* 5 171*	11,400* 5 171*
+15' 0" (4.57 m)	lbs. kg							31,700* 14 379*	31,700* 14 379*	27,550* 12 496*	24,900* 11 294*	24,850* 11 272*	18,500* 8 391*				11,700* 5 307*	11,700* 5 307*
+10' 0" (3.05 m)	lbs. kg			62,800* 28 486*	62,800* 28 486*	45,700* 20 729*	45,700* 20 729*	35,700* 16 193*	32,250* 14 628*	29,950* 13 585*	23,650* 10 727*	26,200* 11 884*	17,800* 8 074*				12,300* 5 579*	11,450* 5 194*
+5' 0" (1.52 m)	lbs. kg			47,350* 21 478*	47,350* 21 478*	52,700* 23 904*	43,050* 19 527*	39,450* 17 894*	30,250* 13 721*	32,100* 14 560*	22,400* 10 160*	26,350* 11 952*	17,050* 7 734*	17,700* 8 029*	13,100* 5 942*		13,250* 6 010*	11,400* 5 171*
Ground Line	lbs. kg	19,600* 8 890*	19,600* 8 890*	42,650* 19 346*	42,650* 19 346*	56,000* 25 401*	40,750* 18 484*	42,200* 19 142*	28,750* 13 041*	33,200* 15 059*	21,400* 9 707*	25,700* 11 657*	16,400* 7 439*			14,550* 6 600*	11,800* 5 352*	
-5' 0" (1.52 m)	lbs. kg	31,250* 14 175*	31,250* 14 175*	49,700* 22 544*	49,700* 22 544*	56,150* 25 469*	39,600* 17 962*	43,100* 19 550*	27,800* 12 610*	32,450* 14 719*	20,700* 9 389*	25,250* 11 453*	16,000* 7 257*			16,500* 7 484*	12,800* 5 806*	
-10' 0" (3.05 m)	lbs. kg	39,100* 17 735*	39,100* 17 735*	59,750* 27 102*	59,750* 27 102*	54,550* 24 743*	39,450* 17 894*	42,300* 19 187*	27,450* 12 451*	32,150* 14 583*	20,450* 9 276*	25,100* 11 385*	15,850* 7 189*			19,450* 8 822*	14,700* 6 668*	
-15' 0" (4.57 m)	lbs. kg	51,650* 23 428*	51,650* 23 428*	66,650* 30 232*	65,050* 29 506*	50,450* 22 884*	39,900* 18 098*	39,350* 17 849*	27,600* 12 519*	30,850* 13 993*	20,600* 9 344*					20,350* 9 231*	18,250* 8 278*	
-20' 0" (6.10 m)	lbs. kg	71,650* 32 500*	71,650* 32 500*	55,700* 25 265*	55,700* 25 265*	42,800* 19 414*	40,650* 18 439*	32,950* 14 946*	28,350* 12 859*									
-25' 0" (7.62 m)	lbs. kg			38,200* 17 327*	38,200* 17 327*	28,900* 13 109*	28,900* 13 109*											

### 16' 5" (5.0 m) Arm

25' 3" (7.70 m) Boom

Bucket Hook Height		Radius of Load														Cap. at Max Reach			
		10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		40' 0" (12.19 m)					
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side		
+35' 0" (10.66 m)	lbs. kg																9,450* 4 286*	9,450* 4 286*	
+30' 0" (9.14 m)	lbs. kg																8,950* 4 060*	8,950* 4 060*	
+25' 0" (7.62 m)	lbs. kg												16,500* 7 484*	16,500* 7 484*			8,700* 3 946*	8,700* 3 946*	
+20' 0" (6.10 m)	lbs. kg												18,900* 8 573*	18,900* 8 573*	12,900* 5 851*	12,900* 5 851*	8,700* 3 946*	8,700* 3 946*	
+15' 0" (4.57 m)	lbs. kg											24,850* 11 272*	24,850* 11 272*	21,850* 9 911*	19,150* 8 686*	16,400* 7 439*	14,350* 6 509*	8,900* 4 037*	8,900* 4 037*
+10' 0" (3.05 m)	lbs. kg			35,650* 16 171*	35,650* 16 171*	40,950* 18 575*	40,950* 18 575*	32,750* 14 855*	32,350* 14 674*	27,850* 12 633*	24,400* 11 068*	24,550* 11 136*	18,300* 8 301*	18,900* 8 573*	13,900* 6 305*	13,900* 6 305*	9,300* 4 218*	9,300* 4 218*	
+5' 0" (1.52 m)	lbs. kg			67,100* 30 436*	67,100* 30 436*	48,700* 22 090*	44,700* 20 276*	36,950* 16 760*	31,200* 14 152*	30,400* 13 789*	23,000* 10 433*	26,150* 11 861*	17,450* 7 915*	21,050* 9 548*	13,400* 6 078*	13,400* 6 078*	9,900* 4 491*	9,900* 4 491*	
Ground Line	lbs. kg	18,750* 8 505*	18,750* 8 505*	45,300* 20 548*	45,300* 20 548*	54,050* 24 517*	41,750* 18 937*	40,600* 18 416*	29,350* 13 313*	32,600* 14 787*	21,800* 9 888*	25,950* 11 771*	16,650* 7 552*	20,550* 9 321*	12,900* 5 851*	10,850* 4 921*	10,250* 4 649*		
-5' 0" (1.52 m)	lbs. kg	26,750* 12 134*	26,750* 12 134*	46,300* 21 001*	46,300* 21 001*	56,100* 25 447*	39,950* 18 121*	42,650* 19 346*	28,050* 12 723*	32,650* 14 810*	20,900* 9 480*	25,300* 11 476*	16,050* 7 280*	20,200* 9 163*	12,600* 5 715*	12,150* 5 511*	11,000* 4 990*		
-10' 0" (3.05 m)	lbs. kg	34,650* 15 717*	34,650* 15 717*	54,900* 24 902*	54,900* 24 902*	55,550* 25 197*	39,250* 17 804*	42,750* 19 391*	27,400* 12 428*	32,100* 14 560*	20,400* 9 253*	25,000* 11 340*	15,750* 7 144*	16,500* 7 484*	12,500* 5 670*	14,150* 6 418*	12,400* 5 625*		
-15' 0" (4.57 m)	lbs. kg	44,200* 20 049*	44,200* 20 049*	66,500* 30 164*	63,950* 29 007*	53,050* 24 063*	39,350* 17 849*	41,150* 18 665*	27,250* 12 360*	32,000* 14 515*	20,250* 9 185*	25,000* 11 340*	15,750* 7 144*			17,200* 7 802*	14,800* 6 713*		
-20' 0" (6.10 m)	lbs. kg	62,300* 28 259*	62,300* 28 259*	63,200* 28 667*	63,200* 28 667*	47,650* 21 614*	39,950* 18 121*	36,950* 16 760*	27,650* 12 542*	28,600* 12 973*	20,650* 9 367*					17,200* 7 802*	17,200* 7 802*		
-25' 0" (7.62 m)	lbs. kg	68,350* 31 003*	68,350* 31 003*	49,800* 22 589*	49,800* 22 589*	37,850* 17 168*	37,850* 17 168*	28,350* 12 859*	28,350* 12 859*										

## Lifting Capacities (Mass Excavator)

### 9' 10" (3.0 m) Arm

21' 7" (6.58 m) Boom

Bucket Hook Height		Radius of Load													
		10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		Cap. at Max. Reach			
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side		
+30' 0" (9.14 m)	lbs. kg													13,500* 6 123*	13,500* 6 123*
+25' 0" (7.62 m)	lbs. kg													12,800* 5 806*	12,800* 5 806*
+20' 0" (6.10 m)	lbs. kg							32,550* 14 764*	32,550* 14 764*					12,600* 5 715*	12,600* 5 715*
+15' 0" (4.57 m)	lbs. kg					42,200* 19 142	42,200* 19 142	35,600* 16 148	33,800* 15 331	29,150* 13 222*	24,000* 10 886			12,800* 5 806*	12,800* 5 806*
+10' 0" (3.05 m)	lbs. kg			67,150* 30 459*	67,150* 30 459*	48,900* 22 181*	46,950* 21 296*	39,150* 17 758*	32,200* 14 606*	33,400* 15 150*	23,250* 10 546	13,350* 6 055*	13,350* 6 055*		
+5' 0" (1.52 m)	lbs. kg			76,500* 34 700	70,650* 32 046	54,500* 24 721*	44,100* 20 003	42,200* 19 142*	30,650* 13 903	34,300* 15 558*	22,400* 10 160	14,350* 6 509*	14,350* 6 509*		
Ground Line	lbs. kg	32,900* 14 923	32,900* 14 923	75,300* 34 156	67,350* 30 549	57,700* 26 172*	42,200* 19 142	44,000* 19 958*	29,450* 13 358	33,500* 15 195*	21,700* 9 843	15,900* 7 212*	15,900* 7 212*		
-5' 0" (1.52 m)	lbs. kg	46,250* 20 979	46,250* 20 979	78,750* 35 720*	67,250* 30 504	57,350* 26 014*	41,350* 18 756	43,900* 19 913*	28,750* 13 041	33,200* 15 059	21,400* 9 707	18,350* 8 323*	18,350* 8 323*		
-10' 0" (3.05 m)	lbs. kg	65,500* 29 710*	65,500* 29 710*	72,200* 32 749*	68,150* 30 912*	53,600* 24 313*	41,350* 18 756	40,650* 18 439*	28,700* 13 018			20,950* 9 503*	20,950* 9 503*		
-15' 0" (4.57 m)	lbs. kg	81,900* 37 149*	81,900* 37 149*	59,750* 27 102*	59,750* 27 102*	44,400* 20 140*	42,100* 19 096	30,650* 13 903*	29,550* 13 404						

## Bucket Sizes

### Standard Excavator

Bucket Type	Capacity	Width Outside Lip	Weight	# Teeth	Arm	Arm	Arm	Arm
					9' 10" (3.00 m)	11' 8" (3.55 m)	13' 6" (4.11 m)	16' 5" (5.00 m)
ESCO HDP	2.12 yd <sup>3</sup> (1.62 m <sup>3</sup> )	37" (940 mm)	4,928 lb. (2 235 kg)	4	H	H	H	H
	2.35 yd <sup>3</sup> (1.80 m <sup>3</sup> )	40" (1 016 mm)	5,094 lb. (2 311 kg)	4	H	H	H	H
	2.89 yd <sup>3</sup> (2.21 m <sup>3</sup> )	47" (1 194 mm)	5,578 lb. (2 530 kg)	5	H	H	H	M
	3.29 yd <sup>3</sup> (2.51 m <sup>3</sup> )	52" (1 321 mm)	5,857 lb. (2 657 kg)	5	H	H	H	M
	3.84 yd <sup>3</sup> (2.94 m <sup>3</sup> )	59" (1 499 mm)	6,245 lb. (2 833 kg)	5	M	M	M	L
	4.25 yd <sup>3</sup> (3.25 m <sup>3</sup> )	64" (1 626 mm)	6,619 lb. (3 002 kg)	6	M	M	L	L
ESCO XDP	1.78 yd <sup>3</sup> (1.36 m <sup>3</sup> )	35" (1 651 mm)	5,293 lb. (2 400 kg)	3	H	H	H	H
	2.47 yd <sup>3</sup> (1.89 m <sup>3</sup> )	45" (1 143 mm)	6,059 lb. (2 748 kg)	4	H	H	H	H
	3.26 yd <sup>3</sup> (2.57 m <sup>3</sup> )	56" (1 322 mm)	6,765 lb. (3 068 kg)	4	H	H	M	L
	3.99 yd <sup>3</sup> (3.05 m <sup>3</sup> )	66" (1 676 mm)	7,531 lb. (3 415 kg)	5	M	M	L	L
	4.43 yd <sup>3</sup> (3.39 m <sup>3</sup> )	72" (1 829 mm)	7,916 lb. (3 590 kg)	5	L	L	L	NA

### Mass Excavator

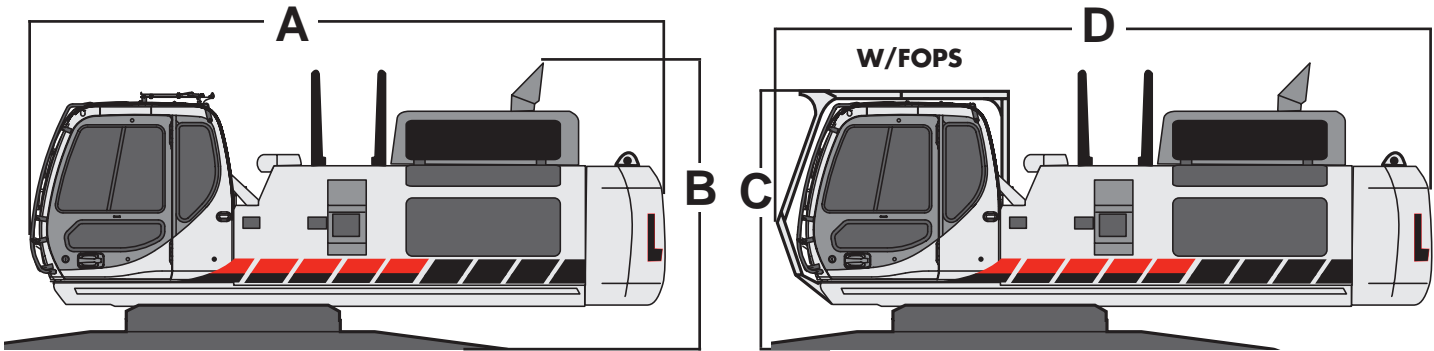
Bucket Type	Capacity	Width Outside Lip	Weight	# Teeth	Arm
					9' 10" (3.00 m)
ESCO HDP	2.12 yd <sup>3</sup> (1.62 m <sup>3</sup> )	37" (940 mm)	4,928 lb. (2 235 kg)	4	H
	2.35 yd <sup>3</sup> (1.80 m <sup>3</sup> )	40" (1 016 mm)	5,094 lb. (2 311 kg)	4	H
	2.89 yd <sup>3</sup> (2.21 m <sup>3</sup> )	47" (1 194 mm)	5,578 lb. (2 530 kg)	5	H
	3.29 yd <sup>3</sup> (2.51 m <sup>3</sup> )	52" (1 321 mm)	5,857 lb. (2 657 kg)	5	H
	3.84 yd <sup>3</sup> (2.94 m <sup>3</sup> )	59" (1 499 mm)	6,245 lb. (2 833 kg)	5	M
	4.25 yd <sup>3</sup> (3.25 m <sup>3</sup> )	64" (1 626 mm)	6,619 lb. (3 002 kg)	6	M
ESCO XDP	1.78 yd <sup>3</sup> (1.36 m <sup>3</sup> )	35" (1 651 mm)	5,293 lb. (2 400 kg)	3	H
	2.47 yd <sup>3</sup> (1.89 m <sup>3</sup> )	45" (1 143 mm)	6,059 lb. (2 748 kg)	4	H
	3.26 yd <sup>3</sup> (2.57 m <sup>3</sup> )	56" (1 322 mm)	6,765 lb. (3 068 kg)	4	H
	3.99 yd <sup>3</sup> (3.05 m <sup>3</sup> )	66" (1 676 mm)	7,531 lb. (3 415 kg)	5	M
	4.43 yd <sup>3</sup> (3.39 m <sup>3</sup> )	72" (1 829 mm)	7,916 lb. (3 590 kg)	5	L

### Approval Code For Arm/Bucket Combinations

H - Heavy material (up to 3,370 lbs./ yd<sup>3</sup>)  
M - Medium material (up to 2,700 lbs./ yd<sup>3</sup>)  
L - Light material (up to 2,020 lbs./ yd<sup>3</sup>)  
N/A - Not applicable

## Transportation Specifications

### Upper Structure w/TTB Counterweight and Lower Cross Frame

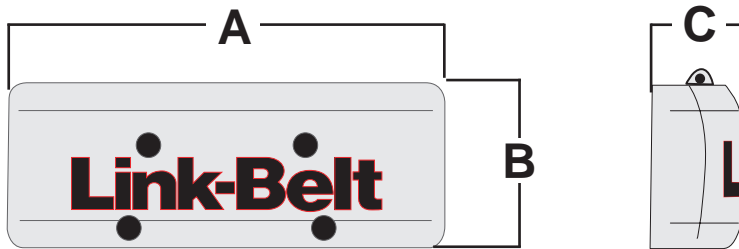


**Weight: 69,330 lbs.** (31 442 kg)  
**Weight: W/FOPS 70,035 lbs.** (31 762 kg)

Dimension A: 19' 2" (5.85 m)  
 Dimension B: 9' 9" (2.96 m)  
 Dimension C: 9' 3" (2.80 m)  
 Dimension D: 19' 8" (6.00 m)

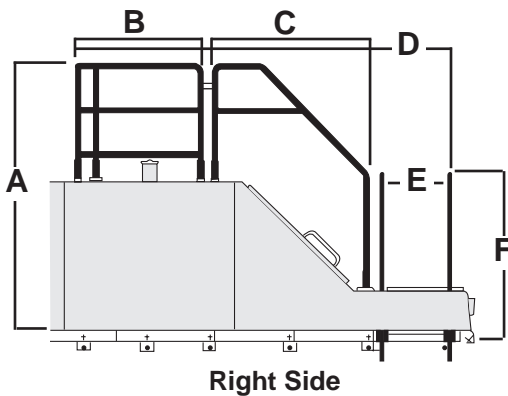
**FOPS Head Guard:**  
 (Optional)  
 Weight: 705 lbs. (320 kg).

### Counter Weight



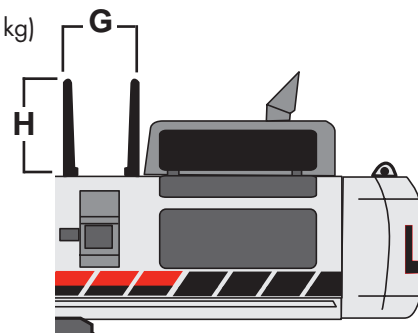
**Weight: 22,932 lbs.** (10 400 kg)  
 Dimension A: 11' 1" (3.39 m)  
 Dimension B: 4' 2" (1.26 m)  
 Dimension C: 2' 6" (.76 m)

### Hand Rails

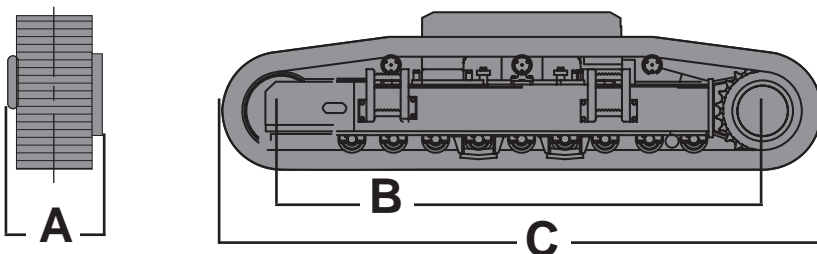


**Total Weight: 126 lbs.** (57 kg)

Dimension A: 6' 4" (1.92 m)  
 Dimension B: 1' 5" (.44 m)  
 Dimension C: 1' 6" (.46 m)  
 Dimension D: 5' 11" (1.80 m)  
 Dimension E: 1' 1" (.49 m)  
 Dimension F: 5' 0" (1.52 m)



### Undercarriage



#### Side Frame with Steps:

Shoe Width	Weight: (per side)
25.6" (650 mm)	22,118 lbs. (10 031 kg)
29.5" (750 mm)	22,795 lbs. (10 338 kg)
35.4" (900 mm)	23,675 lbs. (10 737 kg)

#### Dimension A:

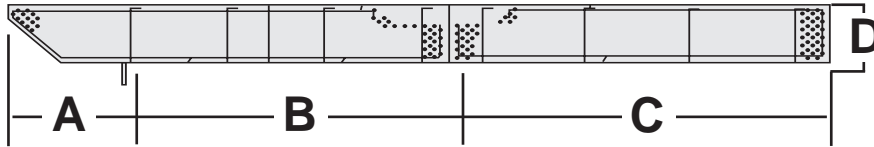
W/ 25.6" (650 mm) shoes - 31.1" (790 mm)  
 W/ 29.5" (750 mm) shoes - 33.1" (840 mm)  
 W/ 35.4" (920 mm) shoes - 36.0" (915 mm)

**Dimension B:** 15' 5" (4700 mm)

**Dimension C:** 19' 3" (5875 mm)

# Transportation Specifications (cont.)

## Catwalk

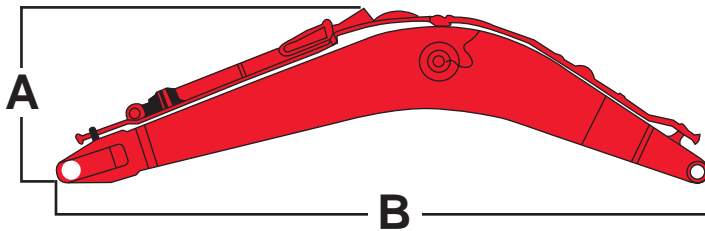


### Weight:

Left Front: 28 lbs. (12.9 kg)  
Left Rear: 207 lbs. (94 kg)

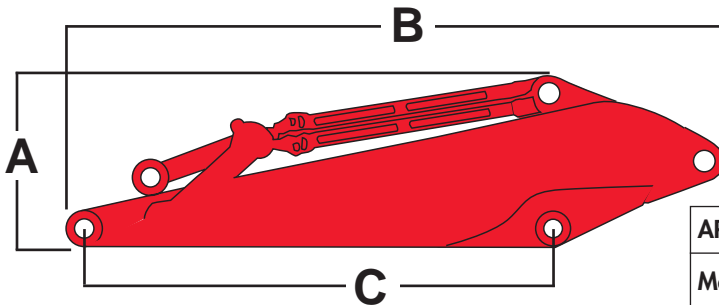
Dimension A: 3' 1" (929 mm)  
Dimension B: 6' 2" (1834 mm)  
Dimension C: 6' 2" (1834 mm)  
Dimension D: 1' 0" (306 mm)

## Boom with Arm Cylinder and Piping



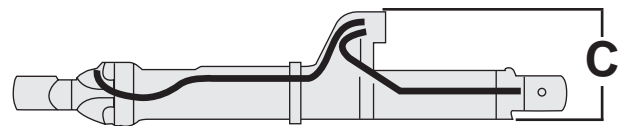
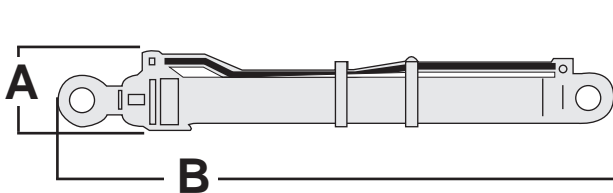
BOOM	A	B	Width	Weight
Standard	6' 6" (1.98 m)	26' 4" (8.03 m)	3' 4" (1.03 m)	14,544 lbs. (6 596 kg)
Mass	8' 2" (2.50 m)	22' 8" (6.91 m)	3' 4" (1.03 m)	11,827 lbs. (5 364 kg)

## Arm with Bucket Cylinder and Linkage



ARM	A	B	C	Width	Weight
Mass	4' 7"	14' 0"	9' 10"	1' 6"	7,455 lbs.
9' 10" (3.0 m) arm	(1.41 m)	(4.27 m)	(3.0 m)	(.457 m)	(3 381 kg)
Standard	4' 5"	16' 2"	11' 8"	1' 6"	7,721 lbs.
11' 8" (3.55 m) arm	(1.34 m)	(4.93 m)	(3.55 m)	(.457 m)	(3 502 kg)
Standard	4' 11"	18' 1"	13' 6"	1' 6"	8,260 lbs.
13' 6" (4.11 m) arm	(1.24 m)	(5.50 m)	(4.112 m)	(.457 m)	(3 746 kg)
Standard	5' 1"	20' 11"	16' 5"	1' 6"	8,954 lbs.
16' 5" (5.0 m) arm	(1.56 m)	(6.37 m)	(5.0 m)	(.457 m)	(4 061 kg)

## Boom Cylinder



Boom Cylinder: Weight: 1,583 lbs. (718 kg)

Dimension A: 1' 7" (.370 m)  
Dimension B: 9' 0" (2.755 m)  
Dimension C: 1' 9" (.545 m)

# Specifications

## Standard Equipment

- Inte-LX® Computer Control System
- Five selectable working modes
- Auto Work Mode
- Attachment Work Mode
- Auto power-up mode
- Free swing control
- Cushioned attachment control
- Auto power swing
- Illuminated LCD service monitor
- Self-diagnostic system
- Control pattern selector valve
- Tier III Isuzu diesel engine with electronic control
- Auto idle start
- Auto engine warm up
- Auto idling system
- One-touch idle
- Low idle up
- Reversible cooling fan
- Fuel cooler
- Low noise/low vibration cab floating on 6 fluid filled mounts
- Sliding/reclining, suspension cloth upholstered seat with adjustable arm rests and lumbar support, retracting seat belt
- 3-position tilting consoles
- 4th position on left console for entering and exiting the cab also serves as control lock-out
- Climate control heater and air conditioner
- Safety glass front windows with automatic lock and intermittent rise-up windshield wiper and washer, large LEXAN® rear/side windows
- 12 volt accessory outlet for cell phones/audio extras
- Horn, interior lighting, AM/FM STEREO radio, digital clock, floor mat, cigarette lighter
- Rear view mirror, coat hook, storage compartment
- Gate lock and gate lock lever (control lock-out device)
- Single pedal travel
- Travel alarm
- Common key for cab & house doors, engine hood, tool box, and fuel cap
- Vandalism locks/guarding
- Hand grab rails both sides
- Nephron® hydraulic filtration system
- Boom and arm holding valves
- Integral cylinder cushioning
- EMS (Extended Maintenance System) chrome pins with brass bushings throughout entire attachment except bucket
- Upper and lower undercovers
- Long undercarriage
- Sealed and lubricated track
- Catwalks
- 22,932 lbs. (10 400 kg) counterweight

## Options

- Arms
  - 9' 10" (3.0 m)
  - 11' 8" (3.55 m)
  - 13' 6" (4.11 m)
  - 16' 5" (5.0 m)
- Track
  - 35.5" (900 mm) 3-Bar Grouser
  - 25.5" (650 mm) 2-Bar Grouser
  - 29.5" (750 mm) 2-Bar Grouser
- Auxiliary Hydraulics
  - Single Acting
  - Multi-Function
  - Thumb
- Hydraulic counterweight removal
- Hose Burst Check Valves
- Couplers (field install)
  - Hendrix Hydraulic Coupler
  - Esco Multi-Pin Grabber
- Thumbs (field install)
  - Esco Universal rigid
  - Esco Hydraulic non-link
  - Esco Hydraulic non-link (for coupler)
  - Esco Hydraulic link
  - Esco Hydraulic link (for coupler)