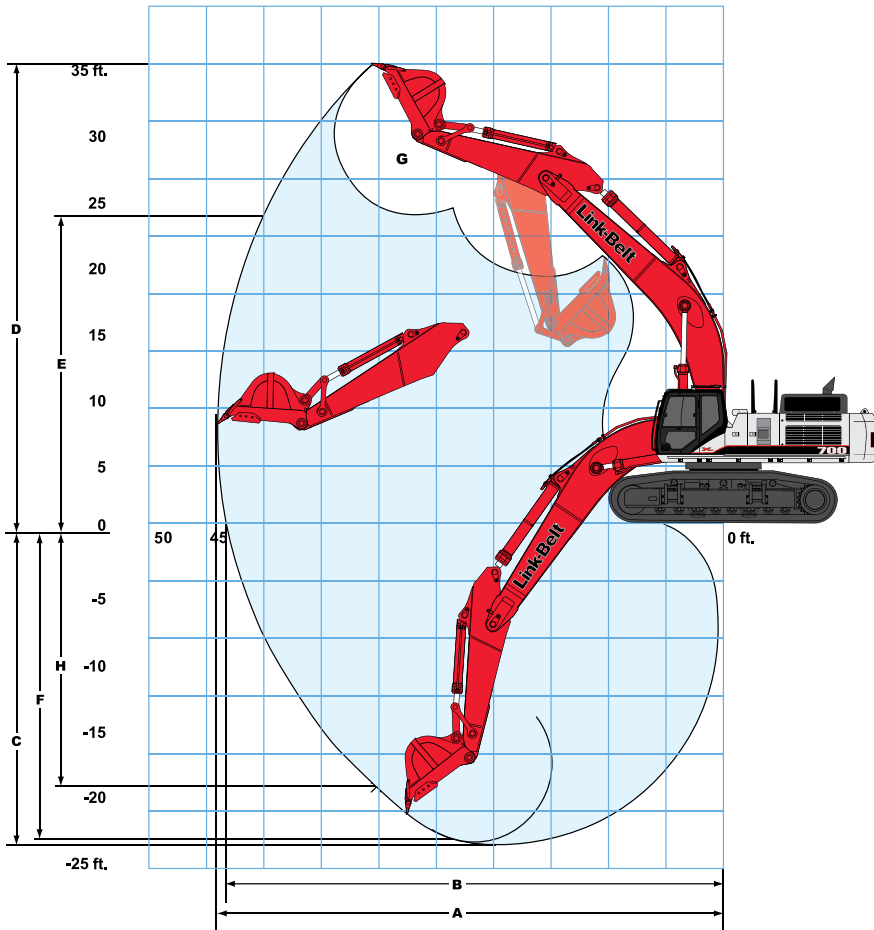




# 700 X2 Specifications

## Working Ranges

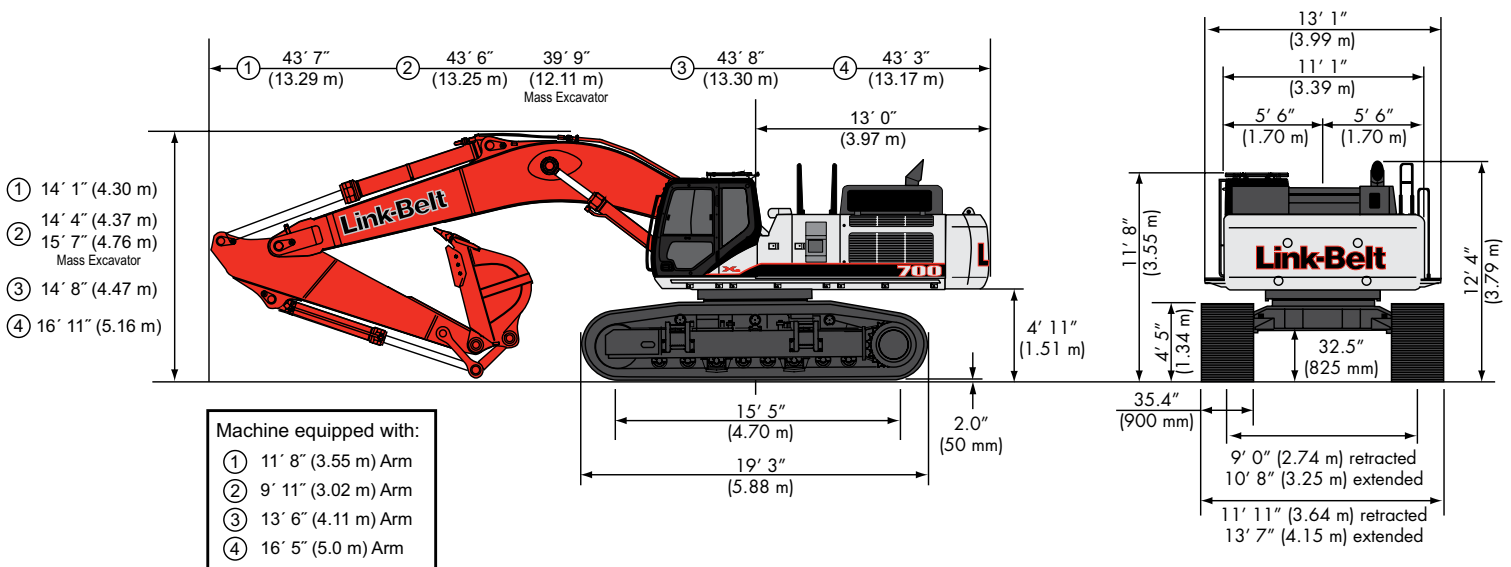


### 700 X2

Machine equipped with 25' 3" (7.70 m) boom	11' 8" Arm (3.55 m)	9' 11" Arm (3.02 m)	13' 6" Arm (4.11 m)	16' 5" Arm (5.00 m)
A. Maximum reach	43' 2" (13.16 m)	42' 3" (12.87 m)	44' 9" (13.65 m)	47' 11" (14.60 m)
B. Maximum reach @ ground level	42' 4" (12.90 m)	41' 4" (12.60 m)	44' 0" (13.40 m)	46' 11" (14.30 m)
C. Maximum dig depth	27' 7" (8.40 m)	25' 10" (7.87 m)	29' 5" (8.97 m)	32' 4" (9.85 m)
D. Maximum dig height	39' 1" (11.92 m)	40' 8" (12.40 m)	39' 6" (12.04 m)	41' 8" (12.70 m)
E. Maximum dump height	26' 4" (8.02 m)	27' 4" (8.33 m)	26' 9" (8.16 m)	28' 7" (8.71 m)
F. Digging depth - 8' (2.44 m) level bottom	27' 2" (8.27 m)	25' 4" (7.72 m)	29' 0" (8.85 m)	32' 0" (9.75 m)
G. Bucket rotation	175°	175°	175°	175°
H. Maximum vertical wall depth	22' 6" (6.87 m)	22' 6" (6.85 m)	24' 2" (7.36 m)	28' 4" (8.63 m)

### 700 X2 Mass Excavator

Machine equipped with 21' 7" (6.58 m) boom	9' 11" Arm (3.02 m)
A. Maximum reach	38' 7" (11.75 m)
B. Maximum reach @ ground level	37' 7" (11.46 m)
C. Maximum dig depth	23' 7" (7.18 m)
D. Maximum dig height	36' 6" (11.13 m)
E. Maximum dump height	23' 1" (7.04 m)
F. Digging depth - 8' (2.44 m) level bottom	23' 1" (7.04 m)
G. Bucket rotation	170°
H. Maximum vertical wall depth	16' 9" (5.10 m)







# 700 X2 Specifications

## Lifting Capacities 700 X2 - Mass Excavator

9' 11" (3.02 m) Arm with 21' 7" (6.58 m) Boom and 7,470 lb. (3 388 kg) Bucket with Power-Boost Applied

		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)		40' 0" (12.19 m)		Cap. at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+35' 0"	lbs 10.66 m (kg)																
+30' 0"	lbs 9.14 m (kg)																13,400* 6 078*
+25' 0"	lbs 7.62 m (kg)																12,700* 5 761*
+20' 0"	lbs 6.10 m (kg)							32,550* 14 765*	32,550* 14 765*								12,500* 5 670*
+15' 0"	lbs 4.57 m (kg)					42,250* 19 165*	42,250* 19 165*	35,600* 16 148*	33,950 15 400	29,050* 13 177*	24,050 10 909						12,700* 5 761*
+10' 0"	lbs 3.05 m (kg)			67,200* 30 482*	67,200* 30 482*	48,900* 22 181*	47,200 21 410	39,100* 17 736*	32,350 14 674	33,350* 15 128*	23,300 10 569						13,250* 6 010*
+5' 0"	lbs 1.52 m (kg)			76,400* 34 655*	71,050 32 228	54,450* 24 699*	44,400 20 140	42,100* 19 097*	30,800 13 971	34,600 15 695	22,500 10 206						14,250* 6 464*
Ground Line	lbs (kg)	33,300* 15 105*	33,300* 15 105*	75,350* 34 179*	67,650 30 686	57,600* 26 127*	42,450 19 255	43,900* 19 913*	29,600 13 427	34,000 15 422	21,800 9 888						15,800* 7 167*
-5' 0"	lbs -1.52 m (kg)	46,400* 21 047*	46,400* 21 047*	78,600* 35 653*	67,600 30 663	57,250* 25 969*	41,600 18 870	43,800* 19 868*	28,900 13 109	33,650 15 264	21,450 9 730						18,250* 8 278*
-10' 0"	lbs 3.05 m (kg)	64,450* 29 235*	64,450* 29 235*	72,050* 32 682*	68,550 31 094	53,450* 24 245*	41,600 18 870	40,550* 18 393*	28,850 13 086								18,850* 8 550*
-15' 0"	lbs 4.57 m (kg)	81,800* 37 104*	81,800* 37 104*	59,600* 27 035*	59,600* 27 035*	44,300* 20 094*	42,300 19 187	30,500* 13 835*	29,650 13 449								
-20' 0"	lbs 6.10 m (kg)																
-25' 0"	lbs 7.62 m (kg)																

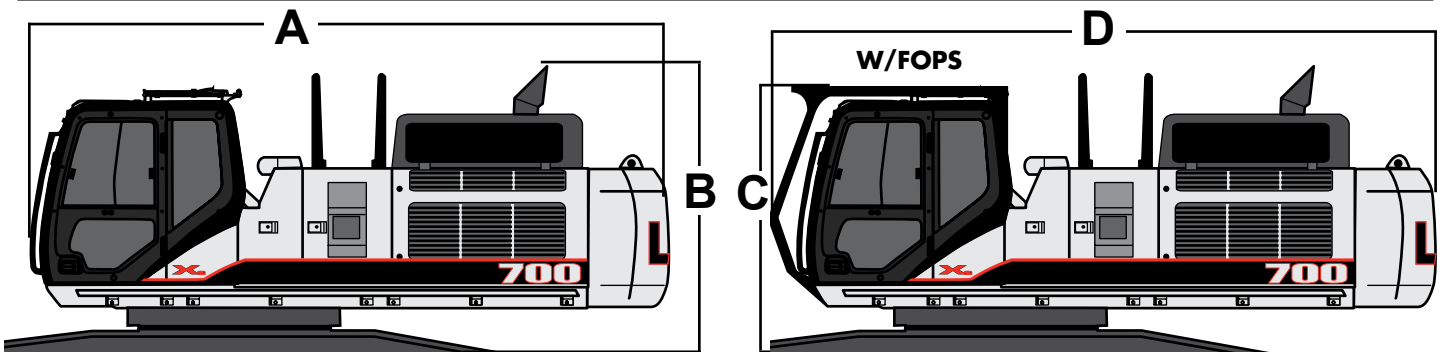
### Notes: Excavator lifting capacities

- 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, "Earthmoving Machinery – Hydraulic Excavators – Lift Capacity".

# 700 X2 Specifications

## Preliminary Transportation Specifications

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

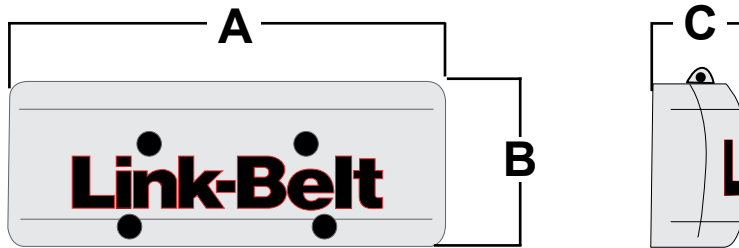


**Weight: 69,330 lbs.** (31 442 kg)  
**Weight: W/FOPS 70,120 lbs.** (31 806 kg)

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)

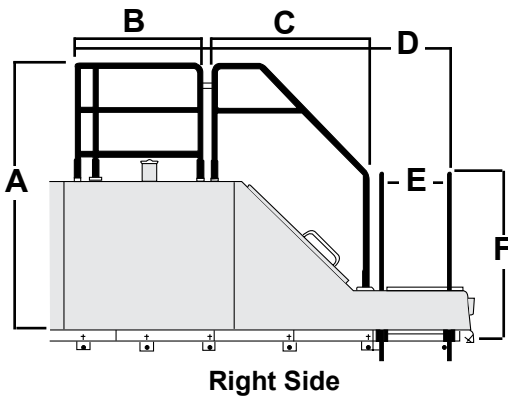
**FOPS Head Guard:**  
 (Optional)  
 Weight: 805 lbs. (365 kg).

### Counter Weight



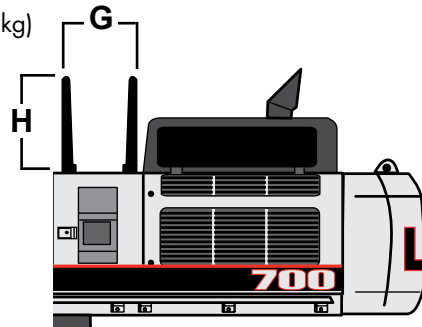
**Weight: 22,932 lbs.** (10 400 kg)  
 Dimension A: 11' 1" (3.39 m)  
 Dimension B: 4' 2" (1.26 m)  
 Dimension C: 2' 6" (.76 m)

### Hand Rails

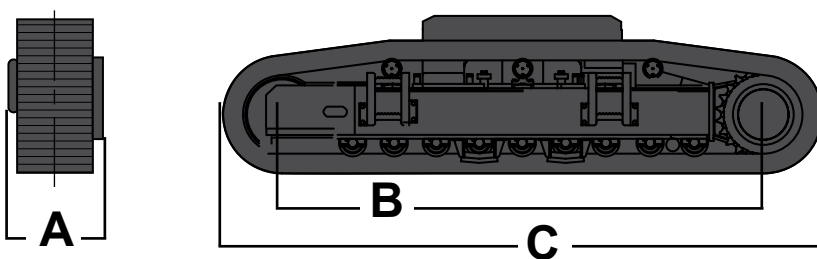


**Total Weight: 158 lbs.** (73 kg)

Dimension A: 6' 5" (1.95 m)  
 Dimension B: 1' 9" (.54 m)  
 Dimension C: 1' 6" (.47 m)  
 Dimension D: 5' 11" (1.80 m)  
 Dimension E: 1' 8" (.50 m)  
 Dimension F: 5' 0" (1.53 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" (900 mm) shoes - 36.0" (915 mm)

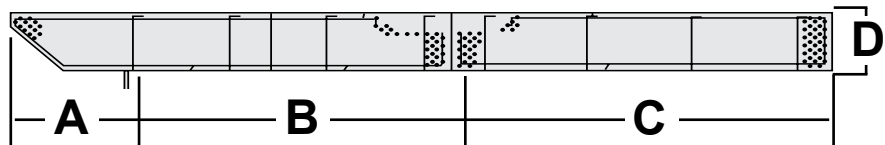
**Dimension B:** 15' 5" (4700 mm)

**Dimension C:** 19' 3" (5880 mm)

# 700 X2 Specifications

## Preliminary Transportation Specifications

### Catwalk



#### Weight:

Right side - 2 sections

Total weight: 155 lbs. (70.2 kg)

Left side - 3 sections

Total weight: 183 lbs. (83.1 kg)

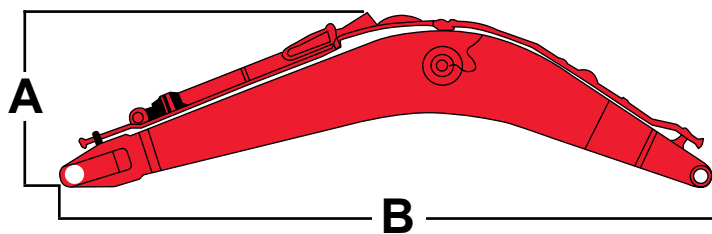
Dimension A: 3' 1" (929 mm)

Dimension B: 6' 2" (1834 mm)

Dimension C: 6' 2" (1834 mm)

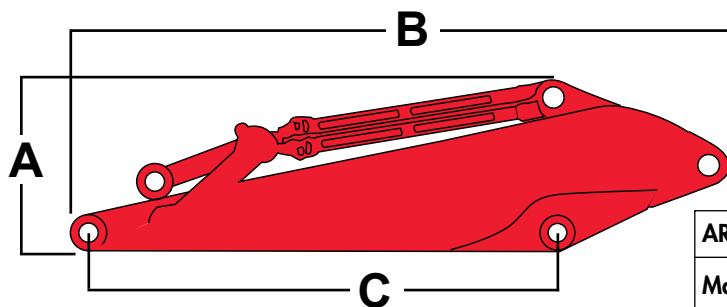
Dimension D: 1' 0" (306 mm)

### Boom with Arm Cylinder and Piping



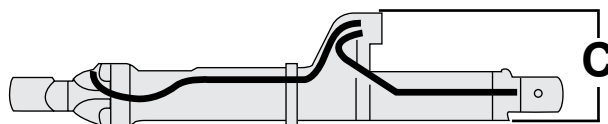
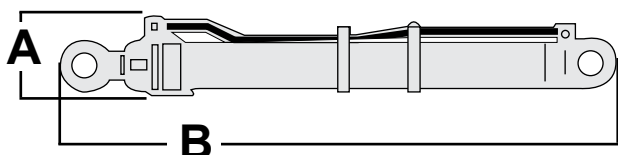
BOOM	A	B	Width	Weight
Standard	6' 6" (1.98 m)	26' 4" (8.03 m)	3' 4" (1.03 m)	14,520 lbs. (6 586 kg)
Mass	8' 2" (2.50 m)	22' 8" (6.91 m)	3' 4" (1.03 m)	13,713 lbs. (6 220 kg)

### Arm with Bucket Cylinder and Linkage



ARM	A	B	C	Width	Weight
Mass	4' 7" (1.41 m)	14' 0" (4.27 m)	9' 10" (3.0 m)	1' 6" (.457 m)	7,606 lbs. (3 450 kg)
Standard	4' 5" (1.34 m)	16' 2" (4.93 m)	11' 8" (3.55 m)	1' 6" (.457 m)	7,520 lbs. (3 411 kg)
Standard	4' 11" (1.24 m)	18' 1" (5.50 m)	13' 6" (4.112 m)	1' 6" (.457 m)	7,654 lbs. (3 472 kg)
Standard	5' 1" (1.56 m)	20' 11" (6.37 m)	16' 5" (5.0 m)	1' 6" (.457 m)	8,091 lbs. (3 670 kg)

### Boom Cylinder



Boom Cylinder: Weight: 1,539 lbs. (698 kg)

Dimension A: 1' 7" (.370 m)

Dimension B: 9' 0" (2.755 m)

Dimension C: 1' 9" (.545 m)

# 700 X2 Specifications

## Bucket Sizes 700 X2

Bucket Type	SAE Heaped Capacity		Width Outside Lip		Bucket Weight		Number of Teeth	Arm Length				Mass Excavator
	(yd <sup>3</sup> )	(m <sup>3</sup> )	(in)	(mm)	(lbs)	(kg)		9'-11" 3.02 m	11'-8" 3.55 m	13'-6" 4.11 m	16'-5" 5.00 m	9'-11" 3.02 m
HDP	2.12	1.62	37	940	4928	2235	4	H	H	H	H	H
	2.35	1.80	40	1016	5094	2311	4	H	H	H	H	H
	2.89	2.21	47	1194	5579	2530	5	H	H	H	M	H
	3.29	2.51	52	1321	5857	2657	5	H	H	H	M	H
	3.84	2.94	59	1499	6245	2833	5	H	M	M	L	H
	4.25	3.25	64	1626	6619	3002	6	M	M	L	L	H
XDP	4.89	3.74	72	1829	7062	3203	6	L	L	L	N/A	H
	1.78	1.36	35	889	5293	2400	3	H	H	H	H	H
	2.47	1.89	45	1143	6059	2748	4	H	H	H	H	H
	3.26	2.57	56	1422	6765	3068	4	H	H	M	L	H
	3.99	3.05	66	1676	7531	3415	5	M	M	L	L	H
	4.43	3.39	72	1829	7916	3590	5	L	L	L	N/A	H

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

**Approval Code For Arm/Bucket Combinations**

H..... Heavy material (up to 3,370 lbs./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

## Standard Equipment

- KAB 855 sliding/reclining air-suspension seat with adjustable 4-inch armrests, lumbar support and retractable seat belt
- Safety glass front window with auto lock, windshield wiper and washer with intermittent speeds, Lexan® side and rear tinted windows
- 4-position tilting consoles with memory position and hydraulic lock-out
- Auto climate control a/c and heat
- AM/FM stereo with mute button, horn, interior light, digital clock, hour meter, floor mat, cup holder, sun shade, storage, LH and RH rear view mirrors
- Travel alarm with cancel switch
- Vandal guarding with bolt-on FOG capability
- EPA Tier III Isuzu diesel engine
- Common rail fuel injection
- Turbocharger with intercooler
- Neutral safety start
- Idle start
- Glow plug pre-heat
- Auto engine warm-up
- Auto idling system
- One-touch idle
- Dual remote fuel filters with water separation
- Double element air filter with in-cab restriction indicator
- Reversible fan
- External fuel gauge
- Remote, full-flow engine oil filter
- Green plug engine oil drain
- EPF Engine Protection
- Emergency engine stop
- Open-center hydraulic system
- Four selectable work modes including attachment mode
- Auto power boost
- Auto swing priority
- Pre-set auxiliary pump settings - 10
- Auxiliary valve
- Stackable main control valve
- Auxiliary pipe brackets
- Control levers pre-wired for auxiliary
- Control pattern changer
- Long undercarriage
- Sealed and lubricated track chain
- Two-speed with auto shift and straight travel
- Planetary drive
- Spring-applied, hydraulic release brake
- Hydraulic track adjust
- Swivel guard belly pan
- Track guides
- Vandal locks with common key
- 22,928 b (10,400 kg) counterweight with lifting eyes
- Hand rail
- Tool box
- 25-ft 3-in boom
- EMS (Extended Maintenance System) 1,000 hour service interval throughout entire attachment except bucket
- Attachment cushion valve
- Arm and boom speed assistance
- Arm and boom regeneration
- Arm and boom holding valves
- Cylinder cushion
- Centralized lube bank
- Bucket anti-clatter device
- Illuminated LCD service monitor
- On-board diagnostic system
- Anti-theft device
- 12-volt accessory outlet
- 70-watt work lights on boom and upper

## Options

- Arms
  - 9-ft 11-in (3.02 m)
  - 11-ft 8-in (3.55 m)
  - 13-ft 6-in (4.11 m)
  - 16-ft 5-in (5.00 m)
- Tracks
  - 35.5-in (900 mm) 3-bar grouser
  - 25.5-in (650 mm) 2-bar grouser
  - 29.5-in (750 mm) 2-bar grouser
- Hydraulics
  - Single-acting with switch or pedal activation
  - Multi-function with switch or pedal activation and in-cab flow direction control
  - Thumb hydraulics with switch activation
  - 2<sup>nd</sup> and 3<sup>rd</sup> auxiliary with pedal activation
- Couplers
  - ESCO quick-coupler
- Thumbs
  - Universal rigid
  - Hydraulic non-link
  - Hydraulic non-link for coupler
  - Hydraulic link
  - Hydraulic link for coupler
- Hydraulic counterweight removal

**Link-Belt**

EXCAVATORS • FORESTRY  
DEMOLITION • MATERIAL HANDLING

LBX Company is the proud maker of quality Link-Belt excavators and is located in Lexington, KY.

Litho in USA 8/12 #LBX2222 (supersedes #LBX2148)

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