

A large orange Link-Belt Quantum 8000 tracked excavator is shown in a quarry setting, dumping a load of grey rocks from its bucket. The excavator's arm is extended, and the brand name "Link-Belt" is visible on the boom. The background features a steep, rocky hillside under a blue sky with scattered white clouds. The excavator's body is white with orange accents, and the number "8000" is printed on the side.

**Quantum**  
SERIES EXCAVATORS®

**8000**  
SPECIFICATIONS

176,400 lbs. (80 000 kg)  
177,000 lbs. (80 300 kg) Mass Excavator  
Operating Weights

**Link-Belt**  
EXCAVATORS  
SCRAPMASTER | LOGMASTER

# 8000 Quantum Specifications

## ENGINE

Cummins N14-C460 1.5c turbocharged, water cooled, 4-cycle diesel, 6 cylinder, 855 CID (14 011 cc), 5.51" (140 mm) bore x 5.98" (152 mm) stroke.  
 SAE net horsepower ..... 438 HP (327 kW) @ 1,800 rpm  
 Maximum torque ..... 1,462 ft.-lbs. (202.1 kg-m or 1 982 N-m) @ 1,400 rpm  
 Starter ..... Electric, 24V  
 Alternator ..... 75 amp  
 Air cleaner ..... Double element  
 Governor ..... Variable speed, mechanical

## HYDRAULIC SYSTEM

Two variable displacement axial piston pumps and one gear pump for pilot controls, with Link-Belt Intelligent Quantum (IQ) Control. Link-Belt IQ Control includes: four selectable working modes, presettable allied attachment work mode, free swing, one-touch decelerator, auto idling system, power up mode, boom priority mode, selectable cushion attachment control, and three safety lockout switches including gate lock.

### Hydraulic Pumps

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

Maximum flow ..... 2 x 132.1 gpm (2 x 500 l/min)  
 Pilot pump max. flow ..... 7.1 gpm (27.0 l/min)

### Relief Valve Settings

Boom/arm/bucket ..... 4,550 psi (320 kg/cm<sup>2</sup>)  
 in Power Up Mode ..... 4,977 psi (350 kg/cm<sup>2</sup>)  
 Swing circuit ..... 4,052 psi (285 kg/cm<sup>2</sup>)  
 Travel ..... 4,977 psi (350 kg/cm<sup>2</sup>)

### Hydraulic Cylinders – number of cylinders – bore x rod x stroke.

Boom ..... 2 – 7.9" x 5.5" x 74.5" (200 mm x 140 mm x 1 893 mm)  
 Arm ..... 1 – 8.5" x 5.9" x 85.6" (215 mm x 150 mm x 2 175 mm)  
 Excavator Bucket .... 1 – 7.5" x 5.1" x 61.2" (190 mm x 130 mm x 1 555 mm)  
 Mass Ex. Bucket .... 1 – 8.5" x 5.9" x 59.8" (215 mm x 150 mm x 1 520 mm)

### Oil Filtration

Nephron filter ..... 1 micron  
 Return, pilot, drain filter ..... 10 micron  
 Suction filter ..... 105 micron

**Control Valve** One 9-spool valve with auxiliary spool.

## CAB AND CONTROLS

Cab mounted on 6 fluid filled mountings. Features include a safety glass front window and LEXAN® MARGARD™ rear and side windows, reclining/sliding cloth upholstered suspension seat with headrest and armrests, heater, air conditioner, oscillating fan, AM/FM radio, cigarette lighter, pop-up skylight window, and intermittent wiper with washer. Front window slides upward for storage and the lower front window is removable. Control levers are located in 4-position tilting control consoles. Reliable soft-touch switches. Easy-to-read illuminated LCD service monitor keeps operator in touch with critical machine functions.

## 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. Swing cushion valve and dual stage relief valves for smooth swing deceleration and stops. Mechanical disc swing brake.

Swing speed ..... 0 – 7.6 rpm  
 Tail swing ..... 13' 6" (4.1 m)  
 Swing torque ..... 177,690 ft.-lbs. (24 567 kg-m)

## UNDERCARRIAGE

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

Carrier rollers ..... 3 per side  
 Track rollers ..... 9 per side  
 Shoes ..... 51 per side  
 Shoe width ..... 29.5" (750 mm)  
 Ground pressure ..... 13.79 psi (.97 kg/cm<sup>2</sup>)

## TRAVEL SYSTEM

Three-speed independent hydrostatic travel with compact axial piston motors for increased performance. Hydraulic motor powered output shaft coupled to a planetary reduction unit and track sprocket. All hydraulic components mounted within the width of side frame. Travel speeds selected by floor mounted foot switch.

**Automatic Downshift:** When operating in difficult travel conditions or on slopes, travel motor automatically downshifts from high speed to mid-range speed for increased tractive effort. Machine will automatically return to high speed after traveling out of difficult terrain.

**Single Pedal Travel:** Engage both tracks simultaneously.

Max. travel speed ..... 1.2/1.8/2.6 mph (2.0/2.9/4.3 km/h)  
 Tractive effort ..... 132,700 lbs. (60 192 kg)  
 Gradeability ..... 70%

Spring applied, hydraulically released disc parking brake built into each motor. Each travel motor equipped with counterbalance valve to prevent over-speeding down an incline and dual stage reliefs for smooth starts and stops.

## LUBRICANT & COOLANT CAPACITY

Hydraulic tank ..... 81.9 gal. (310 liters)  
 Hydraulic system ..... 190.2 gal. (720 liters)  
 Final drive (per side) ..... 3.6 gal. (13.5 liters)  
 Swing drive (per side) ..... 3.6 gal. (13.5 liters)  
 Engine ..... 10.6 gal. (40.3 liters)  
 Fuel tank ..... 237.8 gal. (900 liters)  
 Cooling system ..... 23.5 gal. (92 liters)

## ATTACHMENT

### Available Booms

- Excavator ..... 27' 7" (8.40 m)
- Mass Excavator ..... 23' 9" (7.25 m)

### Available Arms

- Use With Mass Excavator and Excavator Boom
  - 9' 9" (2.98 m) (Mass) ..... 74,740 lbs. (33 900 kg)
  - 9' 9" (2.98 m) (Standard) ..... 75,620 lbs. (34 300 kg)
- Use With Excavator Boom Only
  - 12' 0" (3.66 m) ..... 61,270 lbs. (27 790 kg)
  - 14' 6" (4.42 m) ..... 54,150 lbs. (24 560 kg)
  - 18' 5" (5.61 m) ..... 45,770 lbs. (20 760 kg)

### Digging Force

- Bucket Digging Force (Mass Boom) ..... 84,750 lbs. (38 440 kg)  
 In Power Up Mode – 92,680 lbs. (42 040 kg)
- Bucket Digging Force (Excavator Boom) ..... 66,090 lbs. (29 980 kg)  
 In Power Up Mode – 72,290 lbs. (32 790 kg)

## OPERATING WEIGHT

### Mass:

Working weight with 29.5" (750 mm) shoes, 23' 9" (7.25 m) boom, 9' 9" (2.98 m) arm, 7,624 lb. (3 458 kg) bucket ..... 177,000 lbs. (80 300 kg)

### Standard:

Working weight with 29.5" (750 mm) shoes, 27' 7" (8.40 m) boom, 12' 0" (3.66 m) arm, 6,616 lb. (3 001 kg) bucket ..... 176,400 lbs. (80 000 kg)

## STANDARD EQUIPMENT

- Cummins N14-C460-1.5c diesel engine
- 75 amp alternator
- Double element air filter
- 24-volt starting system, battery lighting system, sealed heavy duty electrical connectors
- Ether starting aid
- Intelligent Quantum (IQ) Control with manual backup system
- Self-diagnostic system
- Easy Maintenance system
- Nephron filtration system
- Swing out oil cooler
- Four selectable working modes
- One-touch decelerator
- Auto idling system
- Auto engine warm up
- Power up mode
- Integral cylinder cushioning
- Cushion attachment control
- Boom and arm holding valves
- Free swing control
- 3-speed hydrostatic travel
- Boom priority mode
- Single pedal travel
- Travel alarm
- Spare accessory valve
- Sliding/reclining, suspension cloth upholstered seat with 4-position tilting console and platform
- Illuminated LCD service monitor
- Heater, air conditioner, seat belt, horn, dome light, AM/FM radio, digital clock, floor mat, cigarette lighter, rear view mirror
- Safety glass front window with automatic lock and intermittent windshield wiper and washer, large LEXAN® rear/side windows
- Vandalism locks/guarding
- Catwalks
- Hand grab rails both sides
- Upper and lower undercovers
- LC undercarriage
- 27,557 lbs. (12 500 kg) counterweight
- Quick disconnects in hydraulic system for easy pressure checking

**18' 5" (5.61 m) ARM WITH 27' 7" (8.40 m) BOOM EQUIPPED WITH 5,709 LB. (2 590 KG) BUCKET POWER UP MODE APPLIED**

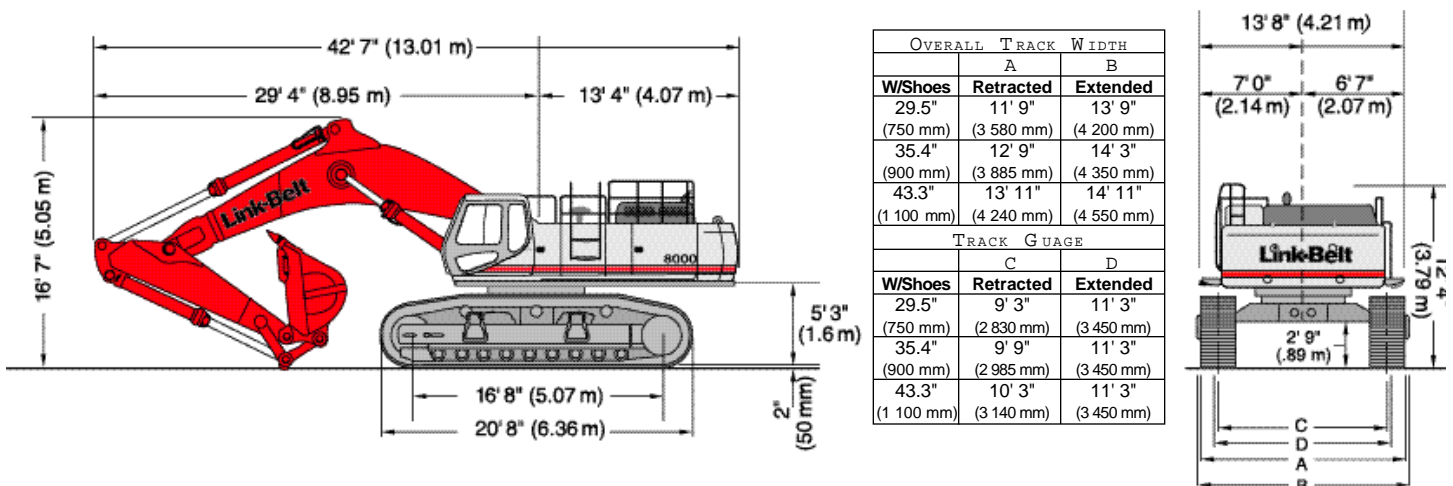
Bucket Hook Height	Radius of Load																			
	10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		40' 0" (12.19 m)		45' 0" (12.19 m)		Cap. at Max. Reach			
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side		
+30' 0" (9.14 m)	lbs.																		6,650*	6,650*
	kg																		3 016*	3 016*
+25' 0" (7.62 m)	lbs.																		6,450*	6,450*
	kg																		2 926*	2 926*
+20' 0" (6.10 m)	lbs.																		6,400*	6,400*
	kg																		2 903*	2 903*
+15' 0" (4.57 m)	lbs.																		6,450*	6,450*
	kg																		2 926*	2 926*
+10' 0" (3.05 m)	lbs.																		6,700*	6,700*
	kg																		3 039*	3 039*
+5' 0" (1.52 m)	lbs.																		7,100*	7,100*
	kg																		3 221*	3 221*
Ground Line	lbs.																		7,650*	7,650*
	kg																		3 470*	3 470*
-5' 0" (1.52 m)	lbs.	25,750*	25,750*	42,050*	42,050*	63,700*	49,350*	49,350*	34,750*	38,900*	26,050*	20,100*	26,200*	15,800*	21,400*	12,600*	8,500*	11,500*	4,400*	4,400*
	kg	11 680*	11 680*	19 074*	19 074*	28 894*	22 385*	22 249*	15 763*	17 645*	11 794*	14 538*	9 117*	11 884*	7 167*	9 707*	5 715*	3 856*	3 856*	
-10' 0" (3.05 m)	lbs.	32,900*	32,900*	49,550*	49,550*	64,150*	48,400*	49,400*	33,700*	39,550*	25,150*	32,150*	19,500*	25,800*	15,400*	18,250*	12,450*	9,700*	9,700*	
	kg	14 923*	14 923*	22 476*	22 476*	29 098*	21 954*	22 408*	15 286*	17 940*	11 408*	14 583*	8 845*	11 703*	6 985*	8 278*	5 647*	4 400*	4 400*	
-15' 0" (4.57 m)	lbs.	40,900*	40,900*	58,000*	58,000*	62,400*	48,450*	48,450*	33,450*	38,850*	24,850*	31,800*	19,250*	25,700*	15,350*			11,500*	11,500*	
	kg	18 552*	18 552*	26 309*	26 309*	28 305*	21 977*	21 977*	15 173*	17 622*	11 272*	14 424*	8 732*	11 658*	6 963*			5 216*	5 216*	
-20' 0" (6.10 m)	lbs.	52,900*	52,900*	74,450*	74,450*	58,450*	49,100*	45,750*	33,750*	36,600*	25,000*	29,350*	19,450*	20,850*	15,750*			14,250*	14,250*	
	kg	23 995*	23 995*	33 771*	33 771*	26 513*	22 272*	20 752*	15 309*	16 602*	11 340*	13 313*	8 823*	9 458*	7 144*			6 464*	6 464*	
-25' 0" (7.60 m)	lbs.	70,850*	70,850*	67,500*	67,500*	51,350*	49,250*	40,200*	34,550*	31,550*	25,700*	23,200*	20,250*							
	kg	32 138*	32 138*	30 618*	30 618*	23 292*	22 340*	18 235*	15 672*	14 311*	11 658*	10 524*	9 185*							
-30' 0" (9.14 m)	lbs.																			
	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.
- Lifting capacities are in compliance with SAE J1097. Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by manufacturer before operating the machine.
- Capacities apply only to the machine as originally manufactured and normally equipped by L&B Company, LLC.

# 8000 With Mass Excavator Boom

## DIMENSIONS



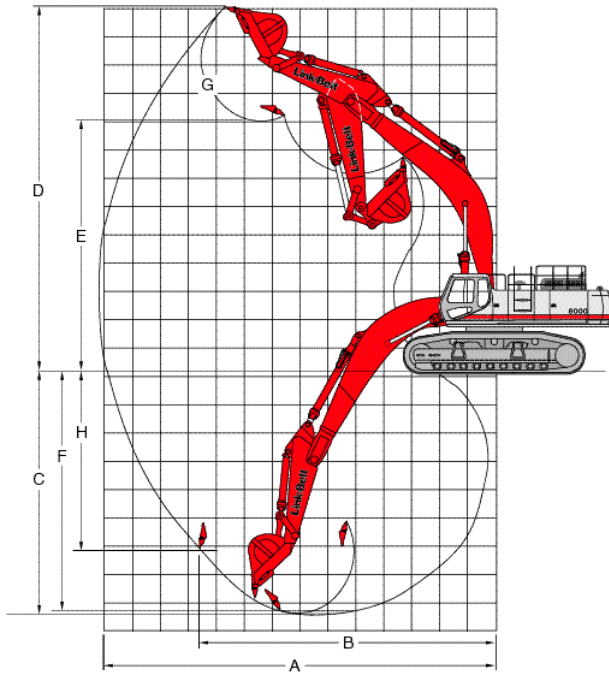
## BUCKETS – MASS EXCAVATOR

Bucket Type	Capacity	Width Outside Lip	Weight	# Teeth	Mass Boom 9' 9" (2.97 m)
ESCO HDP	2.52 cu. yd. (1.93 m <sup>3</sup> )	42" (1 067 mm)	6,412 lb. (2 908 kg)	4	H
	3.00 cu. yd. (2.29 m <sup>3</sup> )	48" (1 219 mm)	6,806 lb. (3 087 kg)	4	H
	3.48 cu. yd. (2.66 m <sup>3</sup> )	54" (1 372 mm)	7,201 lb. (3 266 kg)	4	H
	3.96 cu. yd. (3.03 m <sup>3</sup> )	60" (1 542 mm)	7,771 lb. (3 525 kg)	5	H
	4.45 cu. yd. (3.40 m <sup>3</sup> )	66" (1 676 mm)	8,165 lb. (3 704 kg)	5	M
	4.93 cu. yd. (3.77 m <sup>3</sup> )	72" (1 829 mm)	8,560 lb. (3 883 kg)	5	M
	5.42 cu. yd. (4.14 m <sup>3</sup> )	78" (1 981 mm)	9,130 lb. (4 141 kg)	6	L
ESCO XDP	1.75 cu. yd. (1.34 m <sup>3</sup> )	35" (889 mm)	5,576 lb. (2 529 kg)	3	H
	2.50 cu. yd. (1.91 m <sup>3</sup> )	45" (1 143 mm)	6,426 lb. (2 915 kg)	4	H
	3.25 cu. yd. (2.48 m <sup>3</sup> )	56" (1 422 mm)	7,116 lb. (3 228 kg)	4	H
	4.00 cu. yd. (3.06 m <sup>3</sup> )	66" (1 676 mm)	8,016 lb. (3 636 kg)	5	H

**Approval Code For Arm/Bucket Combinations**

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

# WORKING RANGES – MASS EXCAVATOR



Machine equipped with 23' 9" (7.25 m) boom.	9' 9" Arm (2.98 m)
<b>A</b> Max. digging radius	40' 5" 12.31 m
<b>B</b> Max. digging radius @ ground level	39' 4" 11.99 m
<b>C</b> Max. digging depth	23' 1" 7.03 m
<b>D</b> Max. digging height	38' 7" 11.76 m
<b>E</b> Max. dumping height	25' 11" 7.89 m
<b>F</b> Digging depth – 8' (2.44 m) level bottom	22' 7" 6.88 m
<b>G</b> Bucket wrist angle	167°
<b>H</b> Max. vertical wall depth	13' 11" 4.25 m

## 8000 With Mass Excavator Boom Lifting Capacities

**9' 9" (2.98 m) ARM WITH 23' 9" (7.25 m) BOOM EQUIPPED WITH 7,623 LB. (3 458 KG) BUCKET POWER UP MODE APPLIED**

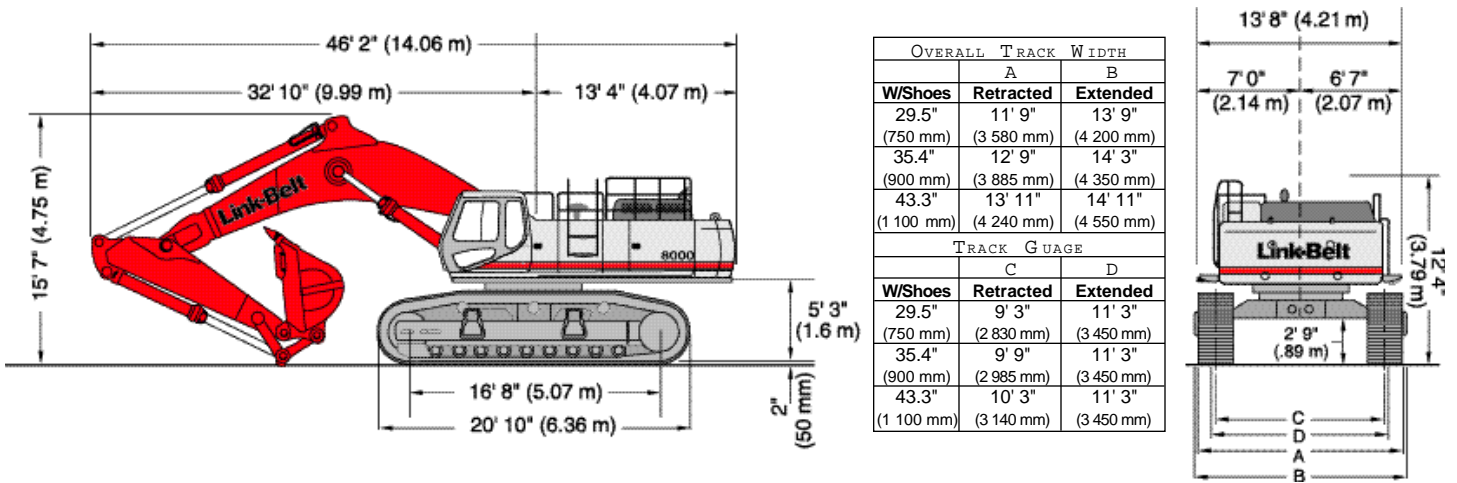
Bucket Hook Height	Radius of Load														
	10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		Cap. at Max. Reach		
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+25' 0" (7.62 m)	lbs.														
	kg														
+20' 0" (6.10 m)	lbs.						38,150*	38,150*	34,400*	31,700				20,350*	19,550
	kg						17 305*	17 305*	15 604*	14 379				9 253*	8 868
+15' 0" (4.57 m)	lbs.		69,300*	69,300*	51,850*	51,850*	41,900*	41,400*	36,350*	30,450	30,650*	22,650		20,900*	18,100
	kg		31 434*	31 434*	23 519*	23 519*	19 006*	18 779*	16 488*	13 812	13 903*	10 274		9 480*	8 210
+10' 0" (3.05 m)	lbs.		81,450*	81,450*	58,650*	57,000	46,200*	39,650	38,450*	29,100	33,150*	21,950		21,900*	17,550
	kg		36 946*	36 946*	26 604*	25 855	20 956*	17 985	17 441*	13 200	15 037*	9 957		9 934*	7 961
+5' 0" (1.52 m)	lbs.		64,500*	64,500*	64,750*	53,400	49,900*	37,500	40,150*	27,800	33,950*	21,250		23,450*	17,800
	kg		29 257*	29 257*	29 371*	24 222	22 635*	17 010	18 212*	12 610	15 400*	9 639		10 637*	8 074
Ground Line	lbs.		68,400*	68,400*	66,650*	51,250	51,200*	36,000	41,000*	26,850	33,500	20,750		25,800*	19,000
	kg		31 026*	31 026*	30 232*	23 247	23 224*	16 330	18 598*	12 179	15 196	9 412		11 703*	8 618
-5' 0" (1.52 m)	lbs.	53,150*	53,150*	86,700*	80,250	65,200*	50,850	50,500*	35,250	40,250*	26,350			28,000*	21,550
	kg	24 109*	24 109*	39 327*	36 401	29 575*	23 066	22 907*	15 989	18 257*	11 952			12 701*	9 775
-10' 0" (3.05 m)	lbs.	71,350*	71,350*	80,050*	80,050*	60,800*	51,300	47,300*	35,350	36,550*	26,450				
	kg	32 364*	32 364*	36 311*	36 311*	27 579*	23 270	21 455*	16 035	16 579*	11 998				
-15' 0" (4.57 m)	lbs.	88,800*	88,800*	67,250*	67,250*	51,900*	51,050	39,500*	36,200						
	kg	40 280*	40 280*	30 505*	30 505*	23 542*	23 156	17 917*	16 420						
-20' 0" (6.10 m)	lbs.					34,800*	34,800*								
	kg					15 785*	15 785*								

### 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.
- Lifting capacities are in compliance with SAE J1097. Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by manufacturer before operating the machine.
- Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company, LLC.

# 8000 With Excavator Boom

## DIMENSIONS



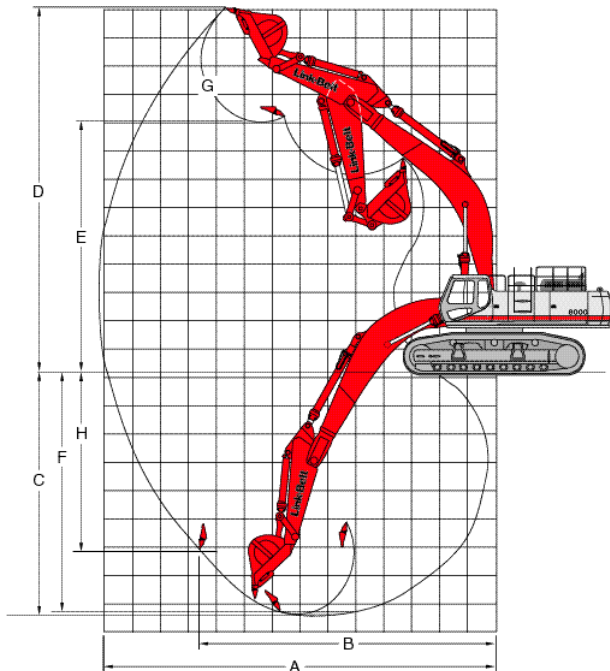
## BUCKETS – EXCAVATOR

Bucket Type	Capacity	Width Outside Lip	Weight	# Teeth	Arms			
					Reach Boom			
					9' 9" (2.97 m)	12' 0" (3.66 m)	14' 6" (4.42 m)	18' 5" (5.61 m)
ESCO HDP	2.52 cu. yd. (1.93 m <sup>3</sup> )	42" (1 067 mm)	6,412 lb. (2 908 kg)	4	H	H	H	H
	3.00 cu. yd. (2.29 m <sup>3</sup> )	48" (1 219 mm)	6,806 lb. (3 087 kg)	4	H	H	H	M
	3.48 cu. yd. (2.66 m <sup>3</sup> )	54" (1 372 mm)	7,201 lb. (3 266 kg)	4	H	H	M	L
	3.96 cu. yd. (3.03 m <sup>3</sup> )	60" (1 542 mm)	7,771 lb. (3 525 kg)	5	H	M	L	N/A
	4.45 cu. yd. (3.40 m <sup>3</sup> )	66" (1 676 mm)	8,165 lb. (3 704 kg)	5	M	M	L	N/A
	4.93 cu. yd. (3.77 m <sup>3</sup> )	72" (1 829 mm)	8,560 lb. (3 883 kg)	5	M	L	L	N/A
ESCO XDP	1.75 cu. yd. (1.34 m <sup>3</sup> )	35" (889 mm)	5,576 lb. (2 529 kg)	3	H	H	H	H
	2.50 cu. yd. (1.91 m <sup>3</sup> )	45" (1 143 mm)	6,426 lb. (2 915 kg)	4	H	H	H	H
	3.25 cu. yd. (2.48 m <sup>3</sup> )	56" (1 422 mm)	7,116 lb. (3 228 kg)	4	H	H	H	M
	4.00 cu. yd. (3.06 m <sup>3</sup> )	66" (1 676 mm)	8,016 lb. (3 636 kg)	5	H	M	L	L

### Approval Code For Arm/Bucket Combinations

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

## WORKING RANGES – EXCAVATOR



Machine equipped with 27' 7" (8.40 m) boom.	9' 9" Arm (2.98 m)	12' 0" Arm (3.66 m)	14' 6" Arm (4.42 m)	18' 5" Arm (5.61 m)
<b>A</b> Max. digging radius	44' 7" (13.58 m)	46' 4" (14.12 m)	48' 11" (14.92 m)	53' 0" (16.16 m)
<b>B</b> Max. digging radius @ ground level	43' 7" (13.29 m)	45' 5" (13.84 m)	48' 1" (14.66 m)	52' 3" (15.92 m)
<b>C</b> Max. digging depth	26' 3" (8.01 m)	28' 7" (8.70 m)	31' 0" (9.45 m)	34' 11" (10.65 m)
<b>D</b> Max. digging height	42' 8" (12.99 m)	42' 4" (12.91 m)	44' 7" (13.59 m)	47' 10" (14.58 m)
<b>E</b> Max. dumping height	29' 2" (8.90 m)	29' 3" (8.92 m)	31' 2" (9.50 m)	34' 1" (10.40 m)
<b>F</b> Digging depth – 8' (2.44 m) level bottom	26' 1" (7.96 m)	28' 1" (8.57 m)	30' 8" (9.34 m)	34' 7" (10.55 m)
<b>G</b> Bucket wrist angle	166°	167°	167°	167°
<b>H</b> Max. vertical wall depth	20' 12" (6.39 m)	21' 2" (6.44 m)	25' 4" (7.73 m)	30' 2" (9.19 m)

# 8000 With Excavator Boom

## Lifting Capacities

### 9' 9" (2.98 m) ARM WITH 27' 7" (8.40 m) BOOM EQUIPPED WITH 7,623 LB. (3 458 KG) BUCKET POWER UP MODE APPLIED

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)		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	
+30' 0" (9.14 m)	lbs. kg									28,050*	28,050*					20,000*	19,650	
+25' 0" (7.62 m)	lbs. kg									12 723*	12 723*					9 072*	8 913	
+20' 0" (6.10 m)	lbs. kg									29,800*	29,800*	27,450*	23,500			19,550*	16,850	
+15' 0" (4.57 m)	lbs. kg									13 517*	13 517*	12 451*	10 660			8 868*	7 643	
+10' 0" (3.05 m)	lbs. kg							36,400*	36,400*	31,650*	30,750	28,700*	23,000			19,500*	15,150	
+5' 0" (1.52 m)	lbs. kg							16 511*	16 511*	14 356*	13 948	13 018*	10 433			8 845*	6 872	
Ground Line	lbs. kg					51,100*	51,100*	40,700*	39,800*	33,900*	29,350	29,850*	22,150			19,800*	14,150	
-5' 0" (1.52 m)	lbs. kg			48,100*	48,100*	23 179*	23 179*	18 462*	18 053*	15 377*	13 313	13 540*	10 047			8 981*	6 418	
-10' 0" (3.05 m)	lbs. kg	47,850*	47,850*	65,100*	65,100*	27 942*	27 942*	21 614*	21 614*	15 967	17 441*	11 952	9 208	11 907	7 190	9 730*	6 305	
-15' 0" (4.57 m)	lbs. kg	21 705*	21 705*	29 529*	29 529*	26 014*	26 014*	20 208*	16 942	16 420*	12 587	14 084*	9 594	12 134	7 394	9 253*	6 237	
-20' 0" (6.10 m)	lbs. kg	64,350*	64,350*	66,650*	66,650*	61,600*	61,600*	48,650	47,650*	35,200	38,450*	26,350	20,300	26,250	15,850	21,450*	13,900	
	lbs. kg	29 189*	29 189*	30 232*	30 232*	27 942*	27 942*	22 068	21 614*	15 967	17 441*	11 952	9 208	11 907	7 190	9 730*	6 305	
	lbs. kg			53,300*	53,300*	63,200*	63,200*	49,400*	49,400*	33,850	39,450*	25,350	32,300	19,650	25,950	15,550	22,950*	14,700
	lbs. kg			28 668*	28 668*	21 433	21 433	22 408*	15 354	17 895*	11 499	14 651	8 913	11 771	7 053	10 410*	6 668	
	lbs. kg			48,100*	48,100*	62,450*	62,450*	47,250	48,750*	33,450	39,200*	24,850	19,300	31,950	19,300	23,900*	16,300	
	lbs. kg			21 818*	21 818*	28 327*	28 327*	21 433	22 113*	15 173	17 781*	11 272	14 493	8 754		10 84*	7 394	
	lbs. kg	47,850*	47,850*	65,100*	65,100*	58,950*	58,950*	49,050*	46,650*	33,650	37,500*	24,850	19,400	29,850*	19,400	22,200*	19,300	
	lbs. kg	21 705*	21 705*	29 529*	29 529*	26 740*	26 740*	22 249*	21 160*	15 264	17 010*	11 272	13 540*	8 800		10 070*	8 754	
	lbs. kg	64,350*	64,350*	66,650*	66,650*	52,900*	52,900*	49,300*	42,150*	34,300	33,200*	25,400						
	lbs. kg	29 189*	29 189*	30 232*	30 232*	23 995*	23 995*	22 362*	19 119*	15 558	15 060*	11 521						
	lbs. kg			53,300*	53,300*	42,900*	42,900*	33,550*	33,550*									
	lbs. kg			24 176*	24 176*	19 459*	19 459*	15 218*	15 218*									

### 12' 0" (3.66 m) ARM WITH 27' 7" (8.40 m) BOOM EQUIPPED WITH 6,616 LB. (3 001 KG) BUCKET POWER UP MODE APPLIED

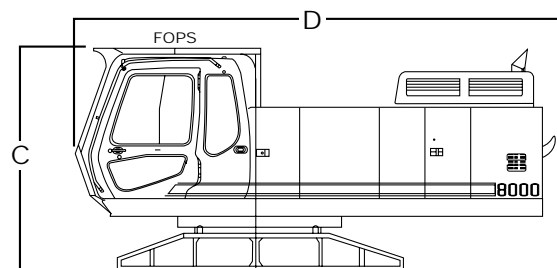
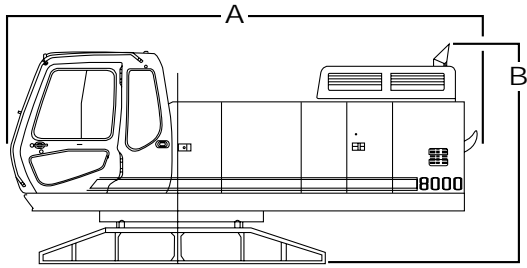
Bucket Hook Height		Radius of Load															
		10' 0" (3.05 m)		15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		40' 0" (12.19 m)		Cap. at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+25' 0" (7.62 m)	lbs. kg									28,550*	28,550*	25,900*	25,000			12,100*	12,100*
+20' 0" (6.10 m)	lbs. kg									12 950*	12 950*	11 748*	11 340			5 489*	5 489*
+15' 0" (4.57 m)	lbs. kg									30,600*	30,600*	27,900*	24,350	16,650*	16,650*	12,200*	12,200*
+10' 0" (3.05 m)	lbs. kg									13 880*	13 880*	12 655*	11 045	7 552*	7 552*	5 534*	5 534*
+5' 0" (1.52 m)	lbs. kg									33,150*	30,850	29,350*	23,400	25,150*	17,950	12,500*	12,500*
Ground Line	lbs. kg			66,750*	66,750*	50,500*	50,500*	39,150*	39,150*	15 037*	13 994	13 313*	10 614	11 408*	8 142	5 670*	5 670*
-5' 0" (1.52 m)	lbs. kg	39,000*	39,000*	40,200*	40,200*	49,550*	49,550*	64,600*	49,150	50,150*	34,350	40,350*	25,750	32,750	20,100	26,450	16,100
-10' 0" (3.05 m)	lbs. kg	17 690*	17 690*	22 476*	22 476*	29 303*	29 303*	22 294	22 748*	15 581	18 303*	11 680	14 855	9 117	11 998	7 303	7 303
-15' 0" (4.57 m)	lbs. kg	47,050*	47,050*	63,950*	63,950*	62,150*	62,150*	49,450	48,850*	34,300	39,350*	25,550	32,050*	19,950			
-20' 0" (6.10 m)	lbs. kg	27 193*	27 193*	33 612*	33 612*	26 037*	26 037*	22 816	20 639*	15 740	16 534*	11 726	12 860*	9 231			
	lbs. kg	78,000*	78,000*	62,500*	62,500*	49,300*	49,300*	39,000*	35,500	29,850*	26,750						
	lbs. kg	35 381*	35 381*	28 350*	28 350*	22 362*	22 362*	17 690*	16 103	13 540*	12 134						
	lbs. kg			40,200*	40,200*	64,550*	64,550*	49,600	50,350*	35,200	40,100*	26,500	33,150*	20,600	26,700	16,300	15,200*
	lbs. kg			18 235*	18 235*	29 280*	29 280*	22 499	22 839*	15 967	18 189*	12 020	15 037*	9 344	12 111	7 394	6 895*
	lbs. kg			16 148*	16 148*	28 373*	28 373*	23 474	22 068*	16 715	17 441*	12 542	14 606*	9 684	12 338	7 620	6 328*
	lbs. kg			35,600*	35,600*	62,550*	62,550*	51,750	48,650*	36,850	38,450*	27,650	32,200*	21,350	27,200	16,800	13,950*
	lbs. kg			19 845*	19 845*	25 901*	25 901*	20 231*	17 781	16 239*	13 222	14 016*	10 138	12 247*	7 870	5 942*	5 942*
	lbs. kg			35,600*	35,600*	62,550*	62,550*	51,750	48,650*	36,850	38,450*	27,650	32,200*	21,350	27,200	16,800	13,950*
	lbs. kg			16 148*	16 148*	28 373*	28 373*	23 474	22 068*	16 715	17 441*	12 542	14 606*	9 684	12 338	7 620	6 328*
	lbs. kg			40,200*	40,200*	64,550*	64,600*	49,600	50,350*	35,200	40,100*	26,500	33,150*	20,600	26,700	16,300	15,200*
	lbs. kg			18 235*	18 235*	29 280*	29 280*	22 499	22 839*	15 967	18 189*	12 020	15 037*	9 344	12 111	7 394	6 895*
	lbs. kg	39,000*	39,000*	49,550*	49,550*	64,600*	64,600*	49,150	50,150*	34,350	40,350*	25,750	32,750	20,100	26,450	16,100	17,050*
	lbs. kg	17 690*	17 690*	22 476*	22 476*	29 303*	29 303*	22 294	22 748*	15 581	18 303*	11 680	14 855	9 117	11 998	7 303	7 303
	lbs. kg	47,050*	47,050*	63,950*	63,950*	62,150*	62,150*	49,450	48,850*	34,300	39,350*	25,550	32,050*	19,950			
	lbs. kg	21 342*	21 342*	29 008*	29 008*	28 191*	28 191*	22 431	22 158*	15 558	17 849*	11 589	14 538*	9 049			
	lbs. kg	59,950*	59,950*	74,100*	74,100*	57,400*	57,400*	50,300	45,500*	34,700	36,450*	25,850	28,350*	20,350			
	lbs. kg	27 193*	27 193*	33 612*	33 612*	26 037*	26 037*	22 816	20 639*	15 740	16 534*	11 726	12 860*	9 231			
	lbs. kg	78,000*	78,000*	62,500*	62,500*	49,300*	49,300*	39,000*	35,500	29,850*	26,750						
	lbs. kg	35 381*	35 381*	28 350*	28 350*	22 362*	22 362*	17 690*	16 103	13 540*	12 134						
	lbs. kg			35,750*	35,750*	26,100*	26,100*	26,100*	26,100*								
	lbs. kg			16 216*	16 216*	11 839*	11 839*										

### 14' 6" (4.42 m) ARM WITH 27' 7" (8.40 m) BOOM EQUIPPED WITH 6,375 LB. (2 892 KG) BUCKET POWER UP MODE APPLIED

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)		40' 0" (12.19 m)		45' 0" (12.19 m)		Cap. at Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+30' 0" (9.14 m)	lbs. kg																		9,650*	9,650*
+25' 0" (7.62 m)	lbs. kg																		4 377*	4 377*
+20' 0" (6.10 m)	lbs. kg																		9,400*	9,400*
+15' 0" (4.57 m)	lbs. kg																		4 264*	4 264*
+10' 0" (3.05 m)	lbs. kg																		9,400*	9,400*
+5' 0" (1.52 m)	lbs. kg																		4 264*	4 264*
Ground Line																				

# 8000 Transportation Specifications

## UPPER STRUCTURE WITH TTB AND LOWER CROSS FRAME

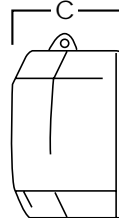
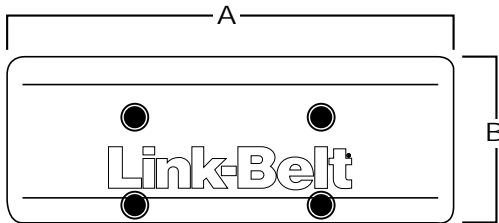


**Weight: 52,910 lbs. (24 000 kg)**  
**Weight: W/FOPS 53,439 lbs. (24 240 kg)**

Dimension A: 17' 6" (5.34 m)  
 Dimension B: 8' 9" (2.67 m)  
 Dimension C: 9' 1" (2.77 m)  
 Dimension D: 18' 3" (5.59 m)

**FOPS Head Guard:**  
 (Optional)  
 Weight: 529 lbs. (240 kg)

## COUNTER WEIGHT



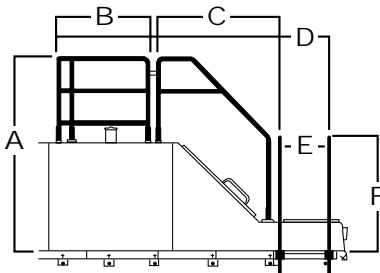
**Weight: 27,557 lbs. (12 500 kg)**

**Dimension A: 10' 11" (3.35 m)**

**Dimension B: 4' 6" (1.39 m)**

**Dimension C: 2' 8" (.82 m)**

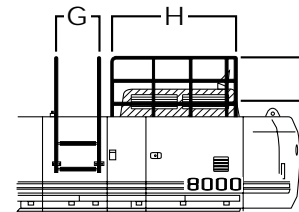
## HAND RAILS



**Right Side**

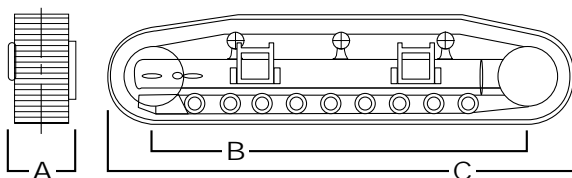
**Total Weight: 147 lbs. (66 kg)**

Dimension A: 6' 3" (1.91 m)  
 Dimension B: 3' 1" (.94 m)  
 Dimension C: 3' 8" (1.13 m)  
 Dimension D: 8' 9" (2.67 m)  
 Dimension E: 1' 11" (.60 m)  
 Dimension F: 3' 8" (1.13 m)  
 Dimension G: 2' 4" (.71 m)  
 Dimension H: 5' 9" (1.77 m)  
 Dimension I: 2' 9" (.85 m)



**Cab Side**

## UNDERCARRIAGE



### Side Frames with Steps:

Shoe Width:	Weight (per side):
29.5" (750 mm)	29,321 lbs. (13 300 kg)
35.4" (900 mm)	30,864 lbs. (14 000 kg)
43.3" (900 mm)	32,628 lbs. (14 800 kg)

### Dimensions A:

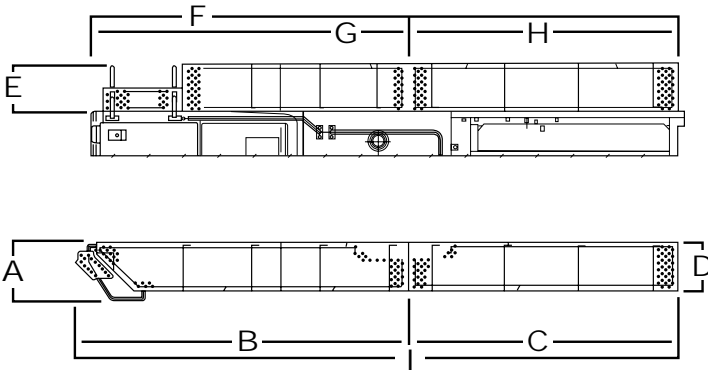
W/(750 mm) shoes – 39.7" (1 010 mm)  
 W/(900 mm) shoes – 39.7" (1 010 mm)  
 W/(1 100 mm) shoes – 39.7" (1 110 mm)

**Dimensions B:** 16' 7" (5 070 mm)

**Dimensions C:** 20' 10" (6 360 mm)

# 8000 Transportation Specifications continued

## CAT WALKS



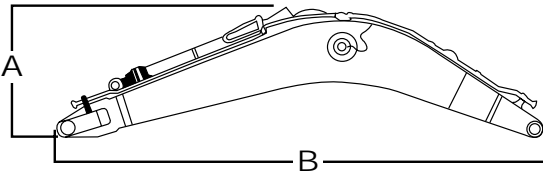
**Total Weight: 319 lbs. (145 kg)**

**Weight:**

Right Front: 77 lbs. (35 kg)  
 Left Front: 88 lbs. (40 kg)  
 Right Rear: 77 lbs. (35 kg)  
 Left Rear: 77 lbs. (35 kg)

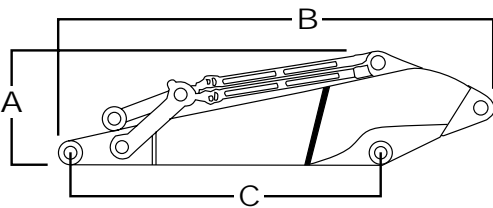
Dimension A: 1' 1" (.47 m)  
 Dimension B: 5' 10" (2.66 m)  
 Dimension C: 4' 10" (2.20 m)  
 Dimension D: 0' 10" (.40 m)  
 Dimension E: 0' 10" (.40 m)  
 Dimension F: 10' 3" (4.64 m)  
 Dimension G: 5' 4" (2.44 m)  
 Dimension H: 4' 10" (2.20 m)  
 Dimension I: 10' 9" (4.86 m)

## BOOM WITH ARM CYLINDER AND PIPING



BOOM	A	B	WIDTH	WEIGHT
<b>Excavator</b>	7' 8" (2.35 m)	28' 8" (8.73 m)	4' 10" (1.49 m)	16,865 lbs. (7 650 kg)
<b>Mass</b>	8' 6" (2.59 m)	24' 10" (7.58 m)	4' 10" (1.49 m)	16,380 lbs. (7 430 kg)

## ARM WITH BUCKET CYLINDER AND LINKAGE



ARM	A	B	C	WIDTH	WEIGHT	
<b>Excavator</b>	12' 0" (3.66 m)	4' 5" (1.35 m)	16' 9" (5.11 m)	12' 0" (3.66 m)	2' 5" (0.75 m)	8,245 lbs. (3 740 kg)
	14' 6" (4.42 m)	4' 5" (1.35 m)	19' 3" (5.87 m)	14' 6" (4.42 m)	2' 5" (0.75 m)	9,149 lbs. (4 150 kg)
	18' 5" (5.61 m)	4' 5" (1.35 m)	23' 0" (7.02 m)	18' 5" (5.61 m)	2' 5" (0.75 m)	10,251 lbs. (4 650 kg)
<b>Mass</b>	9' 9" (2.98 m)	4' 9" (1.44 m)	14' 5" (4.40 m)	9' 9" (2.98 m)	2' 5" (0.75 m)	8,708 lbs. (3 950 kg)

## BOOM CYLINDER

**Boom Cylinder:** Weight: 1,763 lbs. (800 kg)  
 Two (2) Boom Cylinders per machine

Dimension A: 1' 3" (.40 m)  
 Dimension B: 9' 7" (2.93 m)  
 Dimension C: 1' 11" (.59 m)

