

SAE Net Horsepower: 362 HP (270 kW)  
Operating Weight: 112,900 lbs. (51 200 kg)  
Digging Depth: 24 ft 10 in (7.57 m)

# 490x4



PERFORMANCE  
CAPABILITIES  
SPECIFICATIONS

**Link-Belt**  
EXCAVATORS



# PERFORMANCE, PRODUCTIVITY AND RELIABILITY COME STANDARD

Link-Belt X4 Series excavators are built to exceed your expectations. We redesigned the control spools and incorporated spool stroke control (SSC) functions into the hydraulic system to reduce pressure loss and distribute hydraulic oil more smoothly, increasing cycle times by 10%. Expect more power and fuel efficiency, thanks to an innovative Final Tier 4 engine that delivers up to 5% improved fuel consumption, **without a Diesel Particulate Filter (DPF) to maintain or replace!** Settle in to the roomiest, most accommodating cab in its class, with more legroom and a new high-back, heated seat for shift-long comfort. Daily maintenance is a snap, with ground-level access to all service points, easily opened by hand.



# INNOVATION AND ATTENTION TO DETAILS AT EVERY LEVEL



- Three power modes (Speed Priority, Heavy and Applied Power) let you **choose the best blend of power, precision and fuel savings** for the work you're doing

- Ergonomic joysticks **fit your hand perfectly**



- EPA Final Tier 4 engine is **fuel efficient without sacrificing power**

- 7" high-definition LED monitor **keeps you connected to your machine and work environment**



- **No DPF** to ever worry about!
- 3% DEF (Diesel Exhaust Fluid) consumption rate, combined with one of the largest DEF tank capacities lets you work long hours between refills

- RemoteCARE® telematics **keeps a watchful eye** on performance, maintenance intervals and theft deterrence



- Ground level access to routine service points lets you **cut daily maintenance down to just minutes**

- Full-time, rear-view camera display is standard; add the WAVES™ option for a **seamless 270° view around the machine**



- Quiet, pressurized cab offers **excellent visibility and comfortable, best-in-class seating**
- Enough floor space to **accommodate the largest of work boots**, with cup holders and roomy storage compartments for cell phones, snacks and other personal items

- Structural improvements to the boom and arm **reduce stress and provide greater durability**



- Dual cab working lights are standard, or choose optional LEDs for **added visibility**

- Robust undercarriage features **larger track rollers and thicker plating for longer life**
- Unique side-frame design **reduces dirt accumulation** and is **easier to clean**



\*All improvements and percentage increases are in reference to Link-Belt X3 Series excavators, unless otherwise stated

# QUICK AND RESPONSIVE TO TAKE ON TOUGH CHALLENGES



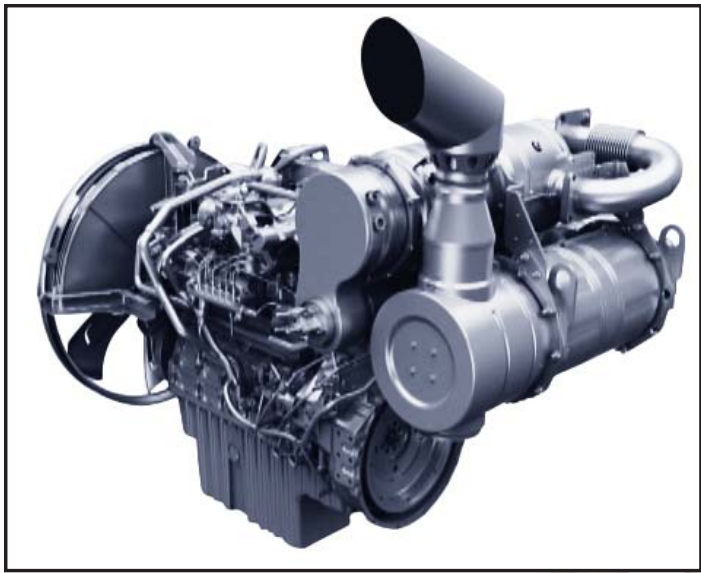
Greater digging power and increased lift capacities are the result of our innovative Spool Stroke Control (SSC) system, which reduces pressure loss and distributes hydraulic oil more smoothly. Pilot pressure sensors detect the type of work being done—such as digging or leveling—and then relays that data to proportional solenoid valves that quickly determine where optimal hydraulic pressures should be directed for that operation.

Two electronically-controlled Kawasaki variable-displacement axial-piston pumps and one Kawasaki gear pump assure that hydraulic power is delivered precisely when and where it's needed. At the same time, hydraulic flows in noncritical areas of the system are reduced.

The result is better breakout force, more lifting strength and faster machine response. You'll dig, swing and dump quicker than ever before... with 10% faster cycle times and improved fuel efficiency!

- Proprietary hydraulic system
- New control valve with larger ports; less restriction means improved hydraulic flow for increased performance
- Electronically-controlled pumps for improved cycle times, quicker response and more efficient machine operation
- Move more dirt per gallon of fuel





The X4 Series features innovative EPA-certified Final Tier 4 engines from Isuzu that strike the ultimate balance between power, productivity and fuel efficiency. You'll experience up to 5% improved fuel efficiency, without having to worry about costly diesel particulate filters (DPF) to maintain or replace. Three engine modes provide reliable power and control for any machine application. Choose Speed Priority (SP mode) to get jobs done quickly, Heavy (H mode) for the best blend of power and fuel savings or Applied Power (A mode), with 13 different RPM settings for precise control of heavy lifting, fine grading or leveling work.

- EPA-certified Tier 4 Final
- No DPF to maintain
- Up to 5% improved fuel economy
- 500-hr. fuel filters service intervals
- 10 diesel tank refills per 1 diesel exhaust fluid (DEF) refill
- 3% DEF consumption rate
- Two-stage DEF anti-freeze system for protection in harsh operating conditions
- 30 hrs. between SCR regenerations, only takes 5-10 minutes to complete!
- VGT (Variable Geometry Turbocharger)



# POWER AND EFFICIENCY WITHOUT COMPROMISE





The X4 Series offers the most advanced and roomiest cab in its class. Comfortable, automotive-grade high-back seat with head rest provides superior lumbar back support. With a longer and wider seating surface, it reclines to a 155° maximum reclining angle to create a relaxed environment during breaks. Mechanical suspension is standard, with air suspension, seat tilting adjustment and seat heaters available as options.

The cab layout also includes ergonomically-designed arm rests that move with console, maintaining a constant distance between joysticks and arm rests no matter how the seat is adjusted.

- Quiet, pressurized cab
- Joysticks with easy-to-hold grip and switches
- Handy 'radio mute' and one touch wiper switch
- Optional proportional joysticks w/ auxiliary hydraulics control
- Cup holder and storage areas for cell phones and other small items
- Dual halogen cab lights standard
- Full time rear camera display
- Optional RH & LH side cameras
- ROPS and FOPS Level 1 certified, optional FOPS Level 2 head guard available
- Optional LED lights use less energy and are 3X brighter!
- Optional retractable rear window shade
- Optional front sun visor
- Improved radio with USB port and Bluetooth for hands-free communication.



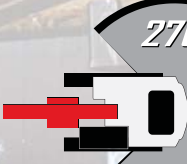




High-Definition LED monitor has a full-color 7" display that rivals the resolution found in luxury automobiles. Controls are easy to read and easy to use. The rear-view camera activates automatically whenever the machine is started, and sight guidelines have been added for increased safety.

- Anti-glare coating on screen
- Track up to 14 service maintenance reminders
- System/machine warning messages
- Monitor SCR auto regeneration
- Select and set up attachments: 5 presets for breakers; 5 presets for crushers
- In-cab pressure controls
- Anti-theft system
- Auto-adjusts for time and calendar
- 24 languages available

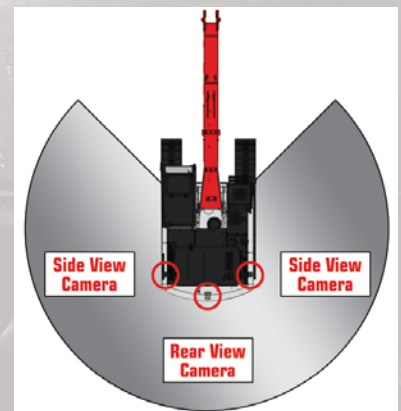
270°



# WAVES™

**WIDE-ANGLE VISUAL ENHANCEMENT SYSTEM**

For the ultimate in visibility, X4 machines can be fitted with the Wide Angle Visual Enhancement System - or WAVES for short. Using three closed-circuit cameras, this optional viewing system provides an unbelievable 270° visual coverage around the machine, eliminating any potential blind spots from the operator's line of sight. WAVES images can be displayed on the standard X4 monitor.





Maintenance is a snap, with ground level access to all routine service points, including batteries, fuel filters, engine oil filter, dual-element air filter and cab fresh air filter.

- Radiator screens are easy to remove and clean from ground level...no tools needed!
- A/C Condenser tilts for easy cleaning and maintenance
- Easy battery compartment access; 2 hand-turn knobs
- Improved battery disconnect switch with no keys needed
- Convenient ground-level sample ports in pump compartment
- Green drain plug and hose
- More data collection points
- Automatic door locking mechanism on side door
- Quick and easy access to grease all attachment pivot points
- Grease cylinder track adjusters make adjusting track tension a breeze
- New undercarriage side frame design enables easier cleaning
- In-cab reminders track 14 different maintenance procedures



# GET WORKING FAST WITH EASY ACCESS TO SERVICE POINTS



RemoteCARE® lets you remotely monitor and track machine location, operational performance, working status and periodic maintenance requirements. It tracks and records both routine and major service intervals for your machines, giving you more flexibility and control when scheduling maintenance procedures. It also lets you be more proactive if potential failure conditions arise; whenever a diagnostic trouble code (DTC) is detected, a warning message appears on the machine display, and an e mail alert is automatically sent to you. RemoteCARE also assists in theft prevention by offering 24/7 surveillance and geofencing capabilities.

- 24/7 Remote Monitoring and Security
- Machine Location
- Geo-fence & Curfew Range
- Actual Fuel Consumption
- Fuel Levels
- Hour Meter Reading
- Radiator Water Temperature
- Machine Working Time/Idle Time
- Attachment Working Hours
- Working Modes
- Service Maintenance Reminders
- Service Warnings
- 3-yr. complimentary subscription

# BUILT STRONG TO HANDLE ANYTHING

X4 machines are more rugged and durable, with robust structural improvements to the boom & arm structures, along with improvements to lower frame and travel components.



## Boom & Arm

- Improved boss shapes reduce stress on boom and arm pin
- Cast boom tip for increased reliability



## Lowers

- Thicker travel motor case - 32% increase
- 9% more stroke recoil spring
- 50% wider idler hub
- Unique side-frame design reduces dirt accumulation and is easier to clean.



# CUSTOMER SUPPORT IS JUST A CALL AWAY

A network of Link-Belt Excavator dealers across the U.S. and Canada is waiting to serve you. Expect fast and dependable service, backed by 24/7 access to parts.

## Rock-Solid Warranty Coverage

All X4 machines are backed by a 1-year/1,800 hour Full Machine Warranty, 2-year/3,000 hour Engine Warranty (2,000 hrs. electrical parts), 3-year/5,000 hour Powertrain Warranty, 3-year/10,000 hour XtraStructure Warranty, 5-year/3,000 hour EPA Emissions Warranty and participation in the X4 Fluids Analysis Program for the life of the warranty. Extended warranty coverage packages are also available.



# SPECIFICATIONS



## Engine

Isuzu AQ-6UZ1X Final Tier 4 turbocharged diesel engine with electronic control (ECM) and high pressure common-rail fuel injection, 6-cylinder, water-cooled, Cooled Exhaust Gas Recirculation (CEGR), Intercooler, Variable-Geometry Turbocharger (VGT), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) system with Dosing Control Module and heated DEF lines and tank. Electronic fuel pump and priming, Fuel cooler, Auto-idle start, Auto warm-up, EPF engine protection, dual-stage fuel filtration, remote oil filter, engine oil sample port, green plug oil drain, double element air filter.

SAE net horsepower	
without fan pump	362 hp (270 kW) @ 2,000 rpm
with fan pump	329 hp (245 kW) @ 2,000 rpm
Displacement	600 cu in (9.8 L)
Maximum Torque	1,005 lbf-ft (1 363 Nm) @ 1,500 rpm
Starter	24V - 5.5kW
Alternator	50 amp
Battery	(2) 12-volt 128 amp hours



## Cab and Controls

ROPS and FOPS Level 1 certified with automatic climate control A/C and heat with defroster, 7" LED Hi-Definition color monitor with full time rear view camera display, fuel efficiency gauge, low-effort joysticks are pre-wired for auxiliary hydraulics, dual cab lights, control pattern changer, safety glass windows, sunroof with sunshade, shockless cab suspension with four fluid cab mounts, SCM High-Back reclining suspension seat, sliding 4-position tilting control consoles, Bluetooth technology, AM/FM sound system with USB and MP3 auxiliary input jack, digital clock, dome light, seat belt, coat hook, cup holder, storage compartments, floor mat, footrests, ashtray, 24V cigarette lighter, 12V outlet, travel alarm, handrails, mirrors, side-entry cab filter, spare parts kit.

Three selectable work modes, RemoteCARE Telematics GPS system, anti-theft password protection system, onboard self-diagnostic system with memory and service interval reminders, auto idling system, one-touch decelerator, auto-idle engine shutdown, auto-power boost, neutral safety start, gate-lock safety shutoff.



## Hydraulic System

Open-center system, two variable-displacement electronically controlled axial-piston pumps and one gear pump for pilot controls, main control valve with one 4-spool section and one 5-spool section with auxiliary spool: stackable, Auxiliary Control System, oil cooler, Auto-Power boost, boom and arm holding valves, 6 micron return filter, firewall, hydraulic oil sample port.

### Hydraulic Pumps

Pump Output	2 x 96.2 gpm (364 L/min)
Pilot Pump Maximum Flow	7.9 gpm (30 L/min)

### Relief Valve Settings

Boom Up/Arm/Bucket	4,550 psi (31.4 MPa)
in Power Boost	4,980 psi (34.3 MPa)
Boom Down	3,560 psi (24.5 MPa)
Swing Circuit	4,270 psi (29.4 MPa)
Travel Circuit	4,980 psi (34.3 MPa)

### Hydraulic Cylinders

	number of cylinders - bore x rod x stroke
Boom	2 - 6.7" x 4.5" x 61.0" (170 mm x 115 mm x 1 550 mm)
Arm	1 - 7.5" x 5.1" x 75.6" (190 mm x 130 mm x 1 920 mm)
Bucket	6.5" x 4.5" x 50.6" (165 mm x 115 mm x 1 285 mm)



## Swing

Planetary reduction powered by axial-piston motor, Internal ring gear with grease cavity for swing pinion, Swing bearing is single-row, shear type ball bearing, Mechanical disc swing brake, Auto-power swing.

Swing Speed	9.1 rpm
Tail Swing	12' 3"(3.73 m)
Swing Torque	111,000 lbf-ft (150.0 kNm)



## Undercarriage

Fixed or expandable sideframes with 17' 11"(5.45 m) LC long undercarriage, Sealed and strutted track chain with track guide, Sealed rollers and idlers, Two-speed independent hydrostatic travel with compact planetary final drive, Disc type brakes, Adjustable track tension, Carbody belly pan.

Carrier Rollers	
Fixed sideframe undercarriage	2 per Side
Expandable sideframe undercarriage	3 per Side
Track Rollers	9 per Side
Track Link Pitch	9.00"(229 mm)
Shoes	50 per Side
Shoe Width	35.5"(900 mm)
Ground Pressure	
Fixed sideframe undercarriage	8.27 psi (0.057 MPa)
Expandable sideframe undercarriage	8.41 psi (0.058 MPa)



## Travel System

Two-speed independent hydrostatic travel with compact axial-piston motors, Hydraulic motor powered output shaft coupled to a planetary reduction drive and track sprocket, All hydraulic components mounted within the width of side frame, Automatic downshift for high torque to overcome obstacles, Spring-applied hydraulic release parking brake built into each motor, Travel motors equipped with counterbalance valve to prevent over-speeding down an incline, Single-pedal straight line travel.

Travel Speeds	2.0 - 3.3 mph (3.2 - 5.3 km/h)
Drawbar Pull	76,200 lbf (339 kN)
Gradeability	70% (35°)



## Attachment

Boom	22' 11" (6.98 m)
<b>Available Arms</b>	<b>Digging Force</b>
• 11' 1" (3.38 m)	45,200 lbf (201 kN)
with Auto Power Boost	49,500 lbf (220 kN)
• 8' 4" (2.53 m)	55,300 lbf (246 kN)
with Auto Power Boost	60,500 lbf (269 kN)
• 13' 2" (4.00 m)	39,800 lbf (177 kN)
with Auto Power Boost	43,400 lbf (193 kN)
• 15' 11" (4.85 m)	35,500 lbf (158 kN)
with Auto Power Boost	38,900 lbf (173 kN)
• Bucket Digging Force	55,500 lbf (247 kN)
with Auto Power Boost	60,700 lbf (270 kN)



## Lubricant & Coolant Capacity

Fuel Tank	172 Gallons (650.0 Liters)
Hydraulic System	122 Gallons (460.0 Liters)
Hydraulic Tank	61 Gallons (230.0 Liters)
Final Drive (per side)	4.0 Gallons (15.0 Liters)
Swing Drive	2.8 Gallons (10.5 Liters)
Engine Oil	10.8 Gallons (41.0 Liters)
DEF Tank	40 Gallons (152.0 Liters)
Coolant System	14.6 Gallons (55.1 Liters)



## Operating Weight

Working weight with 35.5" (900 mm) shoes, 22' 11" (6.98 m) boom, 11' 1" (3.38 m) arm, 3,373 lb. (1 530 kg) bucket, 22,000 lb. (10 000 kg) counterweight	
Fixed sideframe undercarriage	109,800 lbs. (49 800 kg)
Expandable sideframe undercarriage	112,900 lbs. (51 200 kg)

### Mass Excavator

Working weight with 35.5" (900 mm) shoes, 21' 6" (6.55 m) boom, 8' 4" (2.53 m) arm, 5,300 lb. (2 400 kg) bucket, 22,000 lb. (10 000 kg) counterweight	
Fixed sideframe undercarriage	112,200 lbs. (50 900 kg)
Expandable sideframe undercarriage	115,100 lbs. (52 200 kg)







# LIFT CAPACITIES

Radius of Load - Fixed Undercarriage																	
11' 1" (3.38 m) Arm with 22' 11" (6.98 m) Boom and 3,200 lb. (1 460 kg) Bucket with Power-Boost Applied																	
End	Side	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0"	lbs											14,250*	14,250*			12,950*	12,950*
(9.0 m)	kg											7 400*	7 400*			5 830*	5 830*
+25' 0"	lbs											18,200*	17,600			12,400*	12,400*
(7.5 m)	kg											8 430*	8 180*			5 620*	5 620*
+20' 0"	lbs									21,400*	21,400*	19,900*	17,150	16,050*	12,750	12,300*	12,000
(6.0 m)	kg									9 820*	9 820*	9 090*	7 990	8 090*	5 960	5 590*	5 400
+15' 0"	lbs							28,950*	28,950*	23,850*	22,500	20,750*	16,500	18,350*	12,400	12,550*	10,950
(4.5 m)	kg							13 450*	13 450*	11 030*	10 440	9 540*	7 680	8 440*	5 800	5 690*	4 940
+10' 0"	lbs					45,200*	45,200*	33,850*	30,150	26,550*	21,250	22,250*	15,750	19,200*	12,000	13,000*	10,400
(3.0 m)	kg					20 890*	20 890*	15 690*	13 980	12 290*	9 860	10 260*	7 330	8 840*	5 610	5 920*	4 710
+5' 0"	lbs					50,300*	43,350	37,250*	28,250	28,650*	20,150	23,400*	15,100	19,700*	11,650	13,850*	10,300
(1.5 m)	kg					23 220*	20 130	17 230*	13 100	13 250*	9 350	10 810*	7 020	9 100*	5 430	6 300*	4 670
Ground Line	lbs			21,000*	21,000*	51,750*	41,600	38,400*	26,950	29,600*	19,300	23,800*	14,600	19,600*	11,400	15,150*	10,650
	kg			9 220*	9 220*	22 400*	19 290	17 740*	12 520	13 680*	8 970	11 020*	6 790	9 090*	5 310	6 870*	4 820
-5' 0"	lbs	22,850*	22,850*	33,100*	33,100*	51,650*	41,850	37,950*	26,600	29,350*	19,000	23,400*	14,400			17,200*	11,500
(1.5 m)	kg	10 200*	10 200*	14 750*	14 750*	23 800*	19 400*	17 530*	12 350	13 560*	8 820	10 850*	6 690			7 790*	5 210
-10' 0"	lbs	36,250*	36,250*	45,900*	45,900*	47,900*	42,400	36,000*	26,850	27,850*	19,150	21,450*	14,650			18,150*	13,150
(3.0 m)	kg	16 280*	16 280*	20 370*	20 370*	22 110*	19 740	16 650*	12 460	12 920*	8 890	10 040*	6 800			8 240*	5 940
-15' 0"	lbs			55,550*	55,550*	41,150*	41,150*	31,400*	27,450	23,700*	19,800					17,450*	16,250
(4.5 m)	kg			25 750*	25 750*	19 110*	19 110*	14 620*	12 750*	11 150*	9 180					7 950*	7 290
-20' 0"	lbs					29,850*	29,850*	22,100*	22,100*							15,450*	15,450*
(6.0 m)	kg					14 140*	14 140*	10 630*	10 630*							7 090*	7 090*

Radius of Load - Expandable Undercarriage																	
11' 1" (3.38 m) Arm with 22' 11" (6.98 m) Boom and 3,200 lb. (1 460 kg) Bucket with Power-Boost Applied																	
End	Side	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0"	lbs											14,200*	14,200*			12,900*	12,900*
(9.0 m)	kg											7 400*	7 400*			5 830*	5 830*
+25' 0"	lbs											18,200*	18,200*			12,400*	12,400*
(7.5 m)	kg											8 430*	8 430*			5 620*	5 620*
+20' 0"	lbs									21,350*	21,350*	19,900*	18,500	16,050*	13,800	12,300*	12,300*
(6.0 m)	kg									9 820*	9 820*	9 090*	8 600	8 090*	6 470	5 590*	5 590*
+15' 0"	lbs							28,950*	28,950*	23,850*	23,800*	20,750*	17,800	18,350*	13,500	12,550*	11,900
(4.5 m)	kg							13 450*	13 450*	11 030*	11 030*	9 540*	8 300	8 440*	6 310	5 690*	5 390
+10' 0"	lbs					45,200*	45,200*	33,800*	32,350	26,550*	22,950	22,200*	17,100	19,150*	13,100	13,000*	11,350
(3.0 m)	kg					20 890*	20 890*	15 690*	15 010	12 290*	10 670	10 260*	7 950	8 840*	6 110	5 920*	5 160
+5' 0"	lbs					50,250*	47,300	37,200*	30,650	28,650*	21,850	23,400*	16,400	19,650*	12,700	13,850*	11,250
(1.5 m)	kg					23 220*	21 960	17 230*	14 230	13 250*	10 150	10 810*	7 640	9 100*	5 930	6 300*	5 120
Ground Line	lbs			21,000*	21,000*	51,750*	45,400	38,350*	29,350	29,600*	21,000	23,800*	15,900	19,600*	12,450	15,150*	11,650
	kg			9 220*	9 220*	22 400*	21 040	17 740*	13 640	13 680*	9 770	11 020*	7 400	9 090*	5 810	6 870*	5 290
-5' 0"	lbs	22,850*	22,850*	33,100*	33,100*	51,600*	45,450*	37,900*	28,950	29,300*	20,650	23,400*	15,700			17,200*	12,600
(1.5 m)	kg	10 200*	10 200*	14 750*	14 750*	23 800*	21 050	17 530*	13 470	13 560*	9 610	10 850*	7 310			7 790*	5 710
-10' 0"	lbs	36,250*	36,250*	45,850*	45,850*	47,850*	45,850	35,950*	29,200	27,850*	20,850	21,450*	16,000			18,150*	14,350
(3.0 m)	kg	16 280*	16 280*	20 370*	20 370*	22 110*	21 330	16 650*	13 570	12 920*	9 680	10 040*	7 410			8 240*	6 490
-15' 0"	lbs			55,500*	55,500*	41,150*	41,150*	31,350*	29,450	23,700*	21,300					17,400*	17,400*
(4.5 m)	kg			25 750*	25 750*	19 110*	19 110*	14 620*	13 700	11 150*	9 890					7 950*	7 930*
-20' 0"	lbs					29,850*	29,850*	22,100*	22,100*							15,400*	15,400*
(6.0 m)	kg					14 140*	14 140*	10 630*	10 630*							7 090*	7 090*



# LIFT CAPACITIES



Radius of Load - Fixed Undercarriage																
8' 4" (2.53 m) Arm with 22' 11" (6.98 m) Boom and 3,350 lb. (1 530 kg) Bucket with Power-Boost Applied																
		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+30' 0" (9.0 m)	lbs							18,500*	18,500*					18,100*	18,100*	
	kg							7 100*	7 100*					8 150*	8 150*	
+25' 0" (7.5 m)	lbs							21,600*	21,600*	20,100*	17,100			17,300*	16,100	
	kg							9 920*	9 920*	9 230*	7 990			7 830*	7 190	
+20' 0" (6.0 m)	lbs					26,500*	26,500*	23,800*	22,900*	21,100*	16,800			17,100*	13,700	
	kg					12 660*	12 660*	10 920*	10 610*	9 710*	7 820			7 760*	6 160	
+15' 0" (4.5 m)	lbs			40,800*	40,800*	32,050*	31,000	25,800*	21,950	22,500*	16,200			17,400*	12,400	
	kg			19 010*	19 010*	14 880*	14 380	11 940*	10 190	10 330*	7 540			7 890*	5 590	
+10' 0" (3.0 m)	lbs			48,550*	44,800	36,300*	29,300	28,150*	20,850	23,350*	15,600	20,000*	11,950	18,000*	11,750	
	kg			22 590*	20 710	16 840*	13 590	13 010*	9 680	10 780*	7 250	9 230*	5 580	8 170*	5 330	
+5' 0" (1.5 m)	lbs			40,000*	40,000*	38,500*	27,750	29,650*	19,950	24,100*	15,050	19,300*	11,700	19,050*	11,700	
	kg			16 780*	16 780*	17 810*	12 860	13 700*	9 250	11 120*	6 990	9 270*	5 460	8 660*	5 310	
Ground Line	lbs			46,250*	41,150	38,550*	26,850	29,850*	19,300	24,000*	14,700			19,950*	12,200	
	kg			20 000*	19 060	17 800*	12 470	13 790*	8 970	11 110*	6 830			9 040*	5 530	
-5' 0" (1.5 m)	lbs	35,900*	35,900*	49,500*	42,150	37,450*	26,900	29,100*	19,250	22,800*	14,750			19,700*	13,400	
	kg	16 100*	16 100*	22 790*	19 490	17 280*	12 500	13 470*	8 940	10 610*	6 850			8 940*	6 060	
-10' 0" (3.0 m)	lbs	52,900*	52,900*	44,150*	42,550	34,150*	27,400	26,300*	19,700					19,100*	15,700	
	kg	23 450*	23 450*	20 370*	19 760	15 800*	12 720	12 250*	9 120					8 650*	7 080	
-15' 0" (4.5 m)	lbs	44,200*	44,200*	35,450*	35,450*	27,400*	27,400*							17,350*	17,350*	
	kg	20 510*	20 510*	16 490*	16 490*	12 860*	12 760*							7 900*	7 900*	

Radius of Load - Expandable Undercarriage																
8' 4" (2.53 m) Arm with 22' 11" (6.98 m) Boom and 3,350 lb. (1 530 kg) Bucket with Power-Boost Applied																
		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+30' 0" (9.0 m)	lbs							18,500*	18,500*					18,100*	18,100*	
	kg							7 100*	7 100*					8 150*	8 150*	
+25' 0" (7.5 m)	lbs							21,600*	21,600*	20,100*	18,450			17,300*	17,300*	
	kg							9 920*	9 920*	9 230*	8 610			7 830*	7 770	
+20' 0" (6.0 m)	lbs					26,500*	26,500*	23,800*	23,800*	21,100*	18,150			17,100*	14,850	
	kg					12 660*	12 660*	10 920*	10 920*	9 710*	8 440			7 760*	6 680	
+15' 0" (4.5 m)	lbs			40,800*	40,800*	32,050*	32,050*	25,800*	23,700	22,500*	17,550			17,400*	13,500	
	kg			19 010*	19 010*	14 880*	14 880*	11 940*	11 000	10 330*	8 160			7 890*	6 090	
+10' 0" (3.0 m)	lbs			48,550*	48,450	36,300*	31,750	28,150*	22,600	23,350*	16,900	20,000*	13,050	18,000*	12,850	
	kg			22 590*	22 510*	16 840*	14 730	13 010*	10 480	10 780*	7 870	9 230*	6 080	8 170*	5 820	
+5' 0" (1.5 m)	lbs			40,000*	40,000*	38,500*	30,150	29,650*	21,650	24,100*	16,400	19,300*	12,800	19,050*	12,800	
	kg			16 780*	16 780*	17 810*	13 990	13 700*	10 050	11 120*	7 610	9 270*	5 960	8 660*	5 800	
Ground Line	lbs			46,250*	44,900	38,550*	29,250	29,850*	21,050	24,000*	16,050			19,950*	13,300	
	kg			20 000*	20 000*	17 800*	13 590	13 790*	9 760	11 110*	7 440			9 040*	6 040	
-5' 0" (1.5 m)	lbs	35,900*	35,900*	49,500*	45,800	37,450*	29,300	29,100*	20,950	22,800*	16,100			19,700*	14,600	
	kg	16 100*	16 100*	22 790*	21 220	17 280*	13 610	13 470*	9 730	10 610*	7 460			8 940*	6 610	
-10' 0" (3.0 m)	lbs	52,900*	52,900*	44,150*	44,150*	34,150*	29,750	26,300*	21,400					19,100*	17,100	
	kg	23 450*	23 450*	20 370*	20 370*	15 800*	13 830	12 250*	9 910					8 650*	7 700	
-15' 0" (4.5 m)	lbs	44,200*	44,200*	35,450*	35,450*	27,400*	27,400*							17,350*	17,350*	
	kg	20 510*	20 510*	16 490*	16 490*	12 860*	12 860*							7 900*	7 900*	



# LIFT CAPACITIES

Radius of Load - Fixed Undercarriage																		
13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,000 lb. (1 370 kg) Bucket with Power-Boost Applied																		
 End	 Side	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
<b>+30' 0"</b>	<b>lbs</b>												<b>13,750*</b>	<b>13,750*</b>			<b>10,350*</b>	<b>10,350*</b>
(9.0 m)	kg												6 330*	6 330*			4 660*	4 660*
<b>+25' 0"</b>	<b>lbs</b>												<b>16,950*</b>	<b>16,950*</b>	<b>12,150*</b>	<b>12,150*</b>	<b>9,950*</b>	<b>9,950*</b>
(7.5 m)	kg											7 910*	7 910*	6 240*	6 240*	4 500*	4 500*	
<b>+20' 0"</b>	<b>lbs</b>												<b>18,800*</b>	<b>17,700*</b>	<b>16,350*</b>	<b>13,250</b>	<b>9,900*</b>	<b>9,900*</b>
(6.0 m)	kg											8 590*	8 200*	7 700*	6 210	4 490*	4 490*	
<b>+15' 0"</b>	<b>lbs</b>							<b>23,450*</b>	<b>23,450*</b>	<b>22,700*</b>	<b>22,700*</b>	<b>19,900*</b>	<b>17,050</b>	<b>17,750*</b>	<b>12,900</b>	<b>10,100*</b>	<b>10,100*</b>	
(4.5 m)	kg							11 460*	11 460*	10 480*	10 480*	9 130*	7 940	8 170*	6 020	4 580*	4 580*	
<b>+10' 0"</b>	<b>lbs</b>			<b>40,000*</b>	<b>40,000*</b>	<b>44,800*</b>	<b>44,800*</b>	<b>32,200*</b>	<b>30,950*</b>	<b>25,650*</b>	<b>21,950</b>	<b>21,700*</b>	<b>16,300</b>	<b>18,850*</b>	<b>12,450</b>	<b>10,500*</b>	<b>9,850</b>	
(3.0 m)	kg			15 690*	15 690*	20 720*	20 720*	14 940*	14 340	11 860*	10 190	10 000*	7 580	8 680*	5 800	4 760*	4 460	
<b>+5' 0"</b>	<b>lbs</b>			<b>17,800*</b>	<b>17,800*</b>	<b>49,900*</b>	<b>45,000</b>	<b>36,350*</b>	<b>29,150</b>	<b>28,150*</b>	<b>20,750</b>	<b>23,150*</b>	<b>15,550</b>	<b>19,650*</b>	<b>12,000</b>	<b>11,200*</b>	<b>9,750</b>	
(1.5 m)	kg			7 640*	7 640*	22 910*	20 900	16 830*	13 530	13 020*	9 630	10 690*	7 230	9 070*	5 590	5 070*	4 420	
<b>Ground Line</b>	<b>lbs</b>			<b>23,800*</b>	<b>23,800*</b>	<b>52,350*</b>	<b>42,600</b>	<b>38,450*</b>	<b>27,650</b>	<b>29,650*</b>	<b>19,800</b>	<b>24,000*</b>	<b>14,950</b>	<b>19,900*</b>	<b>11,650</b>	<b>12,250*</b>	<b>10,000</b>	
	kg			10 520*	10 520*	24 120*	19 820	17 780*	12 840	13 700*	9 200	11 080*	6 960	9 210*	5 430	5 550*	4 530	
<b>-5' 0"</b>	<b>lbs</b>	<b>22,400*</b>	<b>22,400*</b>	<b>32,000*</b>	<b>32,000*</b>	<b>52,950*</b>	<b>42,050</b>	<b>38,500*</b>	<b>26,900</b>	<b>29,800*</b>	<b>19,250</b>	<b>23,900*</b>	<b>14,600</b>	<b>19,450*</b>	<b>11,500</b>	<b>13,850*</b>	<b>10,700</b>	
(1.5 m)	kg	10 040*	10 040*	14 250*	14 250*	24 370*	19 580	17 790*	12 500	13 770*	8 950	11 070*	6 800	9 040*	5 360	6 260*	4 850	
<b>-10' 0"</b>	<b>lbs</b>	<b>32,600*</b>	<b>32,600*</b>	<b>42,300*</b>	<b>42,300*</b>	<b>50,400*</b>	<b>42,350</b>	<b>37,350*</b>	<b>26,950</b>	<b>28,950*</b>	<b>19,250</b>	<b>22,850*</b>	<b>14,650</b>			<b>16,400*</b>	<b>12,050</b>	
(3.0 m)	kg	14 650*	14 650*	18 800*	18 800*	23 290*	19 720	17 280*	12 510	13 400*	8 940	10 620*	6 810			7 400*	5 430	
<b>-15' 0"</b>	<b>lbs</b>	<b>42,550*</b>	<b>42,550*</b>	<b>56,350*</b>	<b>56,350*</b>	<b>45,050*</b>	<b>42,600</b>	<b>33,950*</b>	<b>27,400</b>	<b>26,100*</b>	<b>19,650</b>	<b>19,150*</b>	<b>15,150</b>			<b>17,600*</b>	<b>14,450</b>	
(4.5 m)	kg	19 010*	19 010*	25 410*	25 410*	20 880*	19 820	15 770*	12 730	12 180*	9 120	9 140*	7 050			7 970*	6 480	
<b>-20' 0"</b>	<b>lbs</b>			<b>48,350*</b>	<b>48,350*</b>	<b>35,800*</b>	<b>35,800*</b>	<b>27,000*</b>	<b>27,000*</b>	<b>19,000*</b>	<b>19,000*</b>					<b>16,600*</b>	<b>16,600*</b>	
(6.0 m)	kg			22 690*	22 690*	16 790*	16 790*	12 740*	12 710	9 240*	9 170					7 550*	7 550*	

Radius of Load - Expandable Undercarriage																		
13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,000 lb. (1 370 kg) Bucket with Power-Boost Applied																		
 End	 Side	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
<b>+30' 0"</b>	<b>lbs</b>												<b>13,750*</b>	<b>13,750*</b>			<b>10,350*</b>	<b>10,350*</b>
(9.0 m)	kg												6 330*	6 330*			4 660*	4 660*
<b>+25' 0"</b>	<b>lbs</b>												<b>16,950*</b>	<b>16,950*</b>	<b>12,150*</b>	<b>12,150*</b>	<b>9,950*</b>	<b>9,950*</b>
(7.5 m)	kg											7 910*	7 910*	6 240*	6 240*	4 500*	4 500*	
<b>+20' 0"</b>	<b>lbs</b>												<b>18,800*</b>	<b>18,550</b>	<b>16,350*</b>	<b>14,350</b>	<b>9,900*</b>	<b>9,900*</b>
(6.0 m)	kg											8 590*	8 590*	7 700*	6 710	4 490*	4 490*	
<b>+15' 0"</b>	<b>lbs</b>							<b>23,450*</b>	<b>23,450*</b>	<b>22,700*</b>	<b>22,700*</b>	<b>19,900*</b>	<b>18,400</b>	<b>17,750*</b>	<b>14,000</b>	<b>10,100*</b>	<b>10,100*</b>	
(4.5 m)	kg							11 460*	11 460*	10 480*	10 480*	9 130*	8 560	8 170*	6 520	4 580*	4 580*	
<b>+10' 0"</b>	<b>lbs</b>			<b>40,000*</b>	<b>40,000*</b>	<b>44,800*</b>	<b>44,800*</b>	<b>32,200*</b>	<b>32,200*</b>	<b>25,650*</b>	<b>23,700</b>	<b>21,700*</b>	<b>17,600</b>	<b>18,850*</b>	<b>13,550</b>	<b>10,500*</b>	<b>10,500*</b>	
(3.0 m)	kg			15 690*	15 690*	20 720*	20 720*	14 940*	14 940*	11 860*	11 000	10 000*	8 200	8 680*	6 310	4 760*	4 760*	
<b>+5' 0"</b>	<b>lbs</b>			<b>17,800*</b>	<b>17,800*</b>	<b>49,900*</b>	<b>48,950</b>	<b>36,350*</b>	<b>31,600</b>	<b>28,150*</b>	<b>22,450</b>	<b>23,150*</b>	<b>16,900</b>	<b>19,650*</b>	<b>13,100</b>	<b>11,200*</b>	<b>10,650</b>	
(1.5 m)	kg			7 640*	7 640*	22 910*	22 730	16 830*	14 660	13 020*	10 440	10 690*	7 850	9 070*	6 100	5 070*	4 840	
<b>Ground Line</b>	<b>lbs</b>			<b>23,800*</b>	<b>23,800*</b>	<b>52,350*</b>	<b>46,600</b>	<b>38,450*</b>	<b>30,050</b>	<b>29,650*</b>	<b>21,500</b>	<b>24,000*</b>	<b>16,300</b>	<b>19,900*</b>	<b>12,750</b>	<b>12,250*</b>	<b>10,950</b>	
	kg			10 520*	10 520*	24 120*	21 640	17 780*	13 960	13 700*	10 000	11 080*	7 570	9 210*	5 930	5 550*	4 970	
<b>-5' 0"</b>	<b>lbs</b>	<b>22,400*</b>	<b>22,400*</b>	<b>32,000*</b>	<b>32,000*</b>	<b>52,950*</b>	<b>46,000</b>	<b>38,500*</b>	<b>29,300</b>	<b>29,800*</b>	<b>20,950</b>	<b>23,900*</b>	<b>15,950</b>	<b>19,450*</b>	<b>12,600</b>	<b>13,850*</b>	<b>11,700</b>	
(1.5 m)	kg	10 040*	10 040*	14 250*	14 250*	24 370*	21 290	17 790*	13 610	13 770*	9 740	11 070*	7 410	9 040*	5 860	6 260*	5 310	
<b>-10' 0"</b>	<b>lbs</b>	<b>32,600*</b>	<b>32,600*</b>	<b>42,300*</b>	<b>42,300*</b>	<b>50,400*</b>	<b>46,300</b>	<b>37,350*</b>	<b>29,300</b>	<b>28,950*</b>	<b>20,950</b>	<b>22,850*</b>	<b>16,000</b>			<b>16,400*</b>	<b>13,150</b>	
(3.0 m)	kg	14 650*	14 650*	18 800*	18 800*	23 290*	21 550	17 280*	13 620	13 400*	9 730	10 620*	7 430			7 400*	5 940	
<b>-15' 0"</b>	<b>lbs</b>	<b>42,550*</b>	<b>42,550*</b>	<b>56,350*</b>	<b>56,350*</b>	<b>45,050*</b>	<b>45,050*</b>	<b>33,950*</b>	<b>29,800</b>	<b>26,100*</b>	<b>21,350</b>	<b>19,150*</b>	<b>16,500</b>			<b>17,600*</b>	<b>15,750</b>	
(4.5 m)	kg	19 010*	19 010*	25 410*	25 410*	20 880*	20 880*	15 770*	13 840	12 180*	9 910	9 140*	7 650			7 970*	7 060	
<b>-20' 0"</b>	<b>lbs</b>			<b>48,350*</b>	<b>48,350*</b>	<b>35,800*</b>	<b>35,800*</b>	<b>27,000*</b>	<b>27,000*</b>	<b>19,000*</b>	<b>19,000*</b>					<b>16,600*</b>	<b>16,600*</b>	
(6.0 m)	kg			22 690*	22 690*	16 790*	16 790*	12 740*	12 740*	9 240*	9 240*					7 550*	7 550*	

# LIFT CAPACITIES

Radius of Load - Fixed Undercarriage																				
15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,800 lb. (1 260 kg) Bucket with Power-Boost Applied																				
End	Side	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		40' 0" (12.0 m)		Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+30' 0"	lbs														10,600*	10,600*			9,300*	9,300*
(9.0 m)	kg														5 380*	5 380*			4 200*	4 200*
+25' 0"	lbs														13,800*	13,800*			9,000*	9,000*
(7.5 m)	kg														6 480*	6 480*			4 090*	4 090*
+20' 0"	lbs												16,700*	16,700*	15,200*	13,650*	10,050*	10,050*	9,000*	9,000*
(6.0 m)	kg												7 640*	7 640*	7 030*	6 390	5 250*	4 830	4 080*	4 080*
+15' 0"	lbs												18,000*	17,500	16,700*	13,200	12,850*	10,050	9,150*	9,150*
(4.5 m)	kg												8 270*	8 110*	7 710*	6 160	6 330*	4 720	4 170*	4 170*
+10' 0"	lbs					38,350*	38,350*	29,000*	29,000*	23,600*	22,450	20,100*	16,600	17,700*	12,650	14,550*	9,750	9,550*	8,800	8,800
(3.0 m)	kg					17 590*	17 590*	13 440*	13 440*	10 910*	10 420	9 280*	8 130*	7 730	5 890	7 120*	4 560	4 330*	3 980	3 980
+5' 0"	lbs			29,600*	29,600*	47,600*	45,850	33,850*	29,850	26,500*	21,100	21,950*	15,750	18,800*	12,100	15,400*	9,450	10,150*	8,650	8,650
(1.5 m)	kg			12 670*	12 670*	22 070*	21 270	15 660*	13 860	12 240*	9 810	10 140*	7 320	8 670*	5 630	7 580*	4 410	4 610*	3 930	3 930
Ground	lbs			25,900*	25,900*	50,950*	43,100	37,000*	27,900	28,550*	19,900	23,250*	15,000	19,500*	11,600	14,450*	9,200	11,050*	8,850	8,850
Line	kg			11 450*	11 450*	23 370*	20 040	17 110*	12 960	13 190*	9 260	10 730*	6 970	9 010*	5 410	7 450*	4 290	5 010*	4 000	4 000
-5' 0"	lbs	20,850*	20,850*	31,000*	31,000*	52,500*	41,400	38,150*	26,650	29,400*	19,100	23,650*	14,450	19,500*	11,300			12,400*	9,350	9,350
(1.5 m)	kg	9 340*	9 340*	13 800*	13 800*	24 140*	19 270	17 610*	12 390	13 590*	8 880	10 940*	6 720	9 040*	5 270			5 610*	4 230	4 230
-10' 0"	lbs	28,700*	28,700*	39,000*	39,000*	51,550*	41,350	37,600*	26,350	29,050*	18,800	23,250*	14,300	18,650*	11,300			14,450*	10,350	10,350
(3.0 m)	kg	12 870*	12 870*	17 310*	17 310*	23 810*	19 240	17 390*	12 250	13 440*	8 750	10 770*	6 640	8 710*	5 250			6 520*	4 670	4 670
-15' 0"	lbs	38,500*	38,500*	50,750*	50,750*	48,000*	41,850	35,600*	26,600	27,500*	19,050	21,450*	14,550					16,700*	12,050	12,050
(4.5 m)	kg	17 130*	17 130*	22 380*	22 380*	22 220*	19 470	16 500*	12 360	12 780*	8 830	10 040*	6 740					7 570*	5 420	5 420
-20' 0"	lbs	48,850*	48,850*	58,200*	58,200*	41,150*	41,150*	30,900*	27,250	23,400*	19,650							16,500*	15,250	15,250
(6.0 m)	kg	21 770*	21 770*	27 160*	27 160*	19 200*	19 200*	14 440*	12 660	11 020*	9 130							7 480*	6 790	6 790
-25' 0"	lbs			39,900*	39,900*	29,300*	29,300*	21,400*	21,400*									15,150*	15,150*	15,150*
(7.5 m)	kg			19 100*	19 100*	14 040*	14 040*	10 390*	10 390*									6 910*	6 910*	6 910*

Radius of Load - Expandable Undercarriage																				
15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,800 lb. (1 260 kg) Bucket with Power-Boost Applied																				
End	Side	5' 0" (1.5 m)		10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		35' 0" (10.5 m)		40' 0" (12.0 m)		Max. Reach		
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	
+30' 0"	lbs														10,600*	10,600*			9,300*	9,300*
(9.0 m)	kg														5 380*	5 380*			4 200*	4 200*
+25' 0"	lbs														13,800*	13,800*			9,000*	9,000*
(7.5 m)	kg														6 480*	6 480*			4 090*	4 090*
+20' 0"	lbs												16,700*	16,700*	15,200*	14,750	10,050*	10,050*	9,000*	9,000*
(6.0 m)	kg												7 640*	7 640*	7 030*	6 890	5 250*	5 250	4 080*	4 080*
+15' 0"	lbs												18,000*	18,000*	16,700*	14,300	12,850*	11,000	9,150*	9,150*
(4.5 m)	kg												8 270*	8 270*	7 710*	6 670	6 330*	5 140	4 170*	4 170*
+10' 0"	lbs					38,350*	38,350*	29,000*	29,000*	23,600*	23,600*	20,100*	17,950	17,700*	13,750	14,550*	10,650	9,550*	9,550*	9,550*
(3.0 m)	kg					17 590*	17 590*	13 440*	13 440*	10 910*	10 910*	9 280*	8 360	8 130*	6 400	7 120*	4 990	4 330*	4 330*	4 330*
+5' 0"	lbs			29,600*	29,600*	47,600*	47,600*	33,850*	32,150*	26,500*	22,850	21,950*	17,100	18,800*	13,200	15,400*	10,350	10,150*	9,550	9,550
(1.5 m)	kg			12 670*	12 670*	22 070*	22 070*	15 660*	14 910	12 240*	10 610	10 140*	7 940	8 670*	6 140	7 580*	4 840	4 610*	4 320	4 320
Ground	lbs			25,900*	25,900*	50,950*	47,100	37,000*	30,350	28,550*	21,650	23,250*	16,300	19,500*	12,700	14,450*	10,100	11,050*	9,700	9,700
Line	kg			11 450*	11 450*	23 370*	21 900	17 110*	14 090	13 190*	10 060	10 730*	7 590	9 010*	5 920	7 450*	4 710	5 010*	4 410	4 410
-5' 0"	lbs	20,850*	20,850*	31,000*	31,000*	52,500*	45,350	38,150*	29,050	29,400*	20,800	23,650*	15,800	19,500*	12,400			12,400*	10,250	10,250
(1.5 m)	kg	9 340*	9 340*	13 800*	13 800*	24 140*	21 110	17 610*	13 510	13 590*	9 670	10 940*	7 340	9 040*	5 770			5 610*	4 650	4 650
-10' 0"	lbs	28,700*	28,700*	39,000*	39,000*	51,550*	45,250	37,600*	28,750	29,050*	20,550	23,250*	15,600	18,650*	12,400			14,450*	11,350	11,350
(3.0 m)	kg	12 870*	12 870*	17 310*	17 310*	23 810*	21 060	17 390*	13 350	13 440*	9 540	10 770*	7 250	8 710*	5 750			6 520*	5 120	5 120
-15' 0"	lbs	38,500*	38,500*	50,750*	50,750*	48,000*	45,550*	35,600*	29,000	27,500*	20,750	21,450*	15,900					16,700*	13,200	13,200
(4.5 m)	kg	17 130*	17 130*	22 380*	22 380*	22 220*	21 180*	16 500*	13 470	12 780*	9 620	10 040*	7 360					7 570*	5 930	5 930
-20' 0"	lbs	48,850*	48,850*	58,200*	58,200*	41,150*	41,150*	30,900*	29,250	23,400*	21,150							16,500*	16,500*	16,500*
(6.0 m)	kg	21 770*	21 770*	27 160*	27 160*	19 200*	19 200*	14 440*	13 590	11 020*	9 820*							7 480*	7 400	7 400
-25' 0"	lbs			39,900*	39,900*	29,300*	29,300*	21,400*	21,400*									15,150*	15,150*	15,150*
(7.5 m)	kg			19 100*	19 100*	14 040*	14 040*	10 390*	10 390*									6 910*	6 910*	6 910*

## 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 ISO 10567, "Earthmoving Machinery - Hydraulic Excavators - Lift Capacity."

# LIFT CAPACITIES

Radius of Load - Mass Excavator - Fixed Undercarriage													
8' 4" (2.53 m) Arm with 21' 6" (6.55 m) Boom and 5,300 lb. (2 400 kg) Bucket with Power-Boost Applied													
End	Side	10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0"	lbs							19,150*	19,150*			15,250*	15,250*
(9.0 m)	kg							7 660*	7 660*			6 840*	6 840*
+25' 0"	lbs							20,200*	20,200*			14,350*	14,350*
(7.5 m)	kg							9 260*	9 260*			6 490*	6 490*
+20' 0"	lbs					21,550*	21,550*	22,200*	21,900*	19,800*	15,700	14,150*	13,200
(6.0 m)	kg					9 920*	9 920*	10 260*	10 160*	9 090*	7 350	6 410*	5 950
+15' 0"	lbs			37,850*	37,850*	30,100*	30,100*	24,600*	21,300	21,000*	15,250	14,250*	11,800
(4.5 m)	kg			17 560*	17 560*	13 980*	13 980*	11 360*	9 920	9 690*	7 110	6 460*	5 340
+10' 0"	lbs			45,550*	45,550*	34,500*	29,150	26,850*	20,200	22,200*	14,650	14,750*	11,150
(3.0 m)	kg			21 130*	21 130*	16 000*	13 530	12 410*	9 400	10 250*	6 830	6 690*	5 050
+5' 0"	lbs			50,950*	42,600	37,200*	27,350	28,350*	19,200	22,750*	14,100	15,700*	11,050
(1.5 m)	kg			23 500*	19 780	17 210*	12 700	13 120*	8 930	10 520*	6 570	7 140*	5 020
Ground	lbs	25,350*	25,350*	51,850*	41,250	37,450*	26,250	28,600*	18,500	22,650*	13,700	17,400*	11,600
Line	kg	11 400*	11 400*	23 890*	19 170	17 310*	12 210	13 230*	8 610	10 500*	6 380	7 880*	5 260
-5' 0"	lbs	38,650*	38,650*	49,350*	41,950	36,400*	26,150	27,800*	18,300	21,050*	13,750	18,850*	12,900
(1.5 m)	kg	17 160*	17 160*	22 760*	19 560	16 830*	12 160	12 880*	8 510	9 860*	6 380	8 530*	5 830
-10' 0"	lbs	57,400*	57,400*	43,800*	41,850	32,900*	26,600	24,500*	18,800			18,100*	15,400
(3.0 m)	kg	25 350*	25 350*	20 250*	19 470	15 260*	12 360	11 470*	8 720			8 220*	6 940
-15' 0"	lbs	44,250*	44,250*	34,050*	34,050*	25,150*	25,150*					16,050*	16,050*
(4.5 m)	kg	20 640*	20 640*	15 920*	15 920*	11 890*	11 890*					7 320*	7 320*

Radius of Load - Mass Excavator - Expandable Undercarriage													
8' 4" (2.53 m) Arm with 21' 6" (6.55 m) Boom and 5,300 lb. (2 400 kg) Bucket with Power-Boost Applied													
End	Side	10' 0" (3.0 m)		15' 0" (4.5 m)		20' 0" (6.0 m)		25' 0" (7.5 m)		30' 0" (9.0 m)		Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0"	lbs							19,150*	19,150*			15,250*	15,250*
(9.0 m)	kg							7 660*	7 660*			6 840*	6 840*
+25' 0"	lbs							20,200*	20,200*			14,350*	14,350*
(7.5 m)	kg							9 260*	9 260*			6 490*	6 490*
+20' 0"	lbs					21,550*	21,550*	22,200*	22,200*	19,800*	17,050	14,150*	14,150*
(6.0 m)	kg					9 920*	9 920*	10 260*	10 260*	9 090*	7 970	6 410*	6 410*
+15' 0"	lbs			37,850*	37,850*	30,100*	30,100*	24,600*	23,050	21,000*	16,600	14,250*	12,950
(4.5 m)	kg			17 560*	17 560*	13 980*	13 980*	11 360*	10 730	9 690*	7 740	6 460*	5 860
+10' 0"	lbs			45,550*	45,550*	34,500*	31,600	26,850*	21,950	22,200*	16,000	14,750*	12,250
(3.0 m)	kg			21 130*	21 130*	16 000*	14 680	12 410*	10 210	10 250*	7 450	6 690*	5 550
+5' 0"	lbs			50,950*	46,600	37,200*	29,800	28,350*	20,950	22,750*	15,400	15,700*	12,200
(1.5 m)	kg			23 500*	21 650	17 210*	13 840	13 120*	9 740	10 520*	7 190	7 140*	5 530
Ground	lbs	25,350*	25,350*	51,850*	45,150	37,450*	28,700	28,600*	20,250	22,650*	15,050	17,400*	12,750
Line	kg	11 400*	11 400*	23 890*	20 990	17 310*	13 340	13 230*	9 410	10 500*	7 000	7 880*	5 790
-5' 0"	lbs	38,650*	38,650*	49,350*	45,750*	36,400*	28,550	27,800*	20,000	21,050*	15,100	18,850*	14,150
(1.5 m)	kg	17 160*	17 160*	22 760*	21 300	16 830*	13 280	12 880*	9 310	9 860*	7 000	8 530*	6 400
-10' 0"	lbs	57,400*	57,400*	43,800*	43,800*	32,900*	28,950	24,500*	20,450			18,100*	16,850
(3.0 m)	kg	25 350*	25 350*	20 250*	20 250*	15 260*	13 470	11 470*	9 510			8 220*	7 600
-15' 0"	lbs	44,250*	44,250*	34,050*	34,050*	25,150*	25,150*					16,050*	16,050*
(4.5 m)	kg	20 640*	20 640*	15 920*	15 920*	11 890*	11 890*					7 320*	7 320*

## Bucket Sizes for Mass Excavators

### 490 X4 Mass with Fixed Sideframe

Bucket Type	Heaped Capacity (yd³) (m³)	Width Outside Lip (in) (mm)	Bucket Weight (lbs) (kg)	Number of Teeth	Arm 8' 4" 2.53 m			
STDP Standard duty plate	1.76	1.35	36	914	2906	1318	4	H
	2.14	1.64	42	1067	3206	1454	5	H
	2.52	1.93	48	1219	3405	1545	5	H
	2.91	2.22	54	1372	3705	1681	6	H
	3.29	2.52	60	1524	3903	1770	6	H
4.05	3.10	66	1676	4698	2131	7	M	
HDP Heavy duty plate	1.73	1.32	36	914	3507	1591	4	H
	2.10	1.61	42	1067	3848	1745	5	H
	2.48	1.90	48	1219	4108	1863	5	H
	2.85	2.18	54	1372	4448	2018	6	H
	3.24	2.48	60	1524	4707	2135	6	H
XDP Extreme duty plate	1.37	1.05	30	762	3469	1574	3	H
	1.73	1.32	36	914	3838	1741	4	H
	2.1	1.61	42	1067	4144	1880	4	H
	2.48	1.90	48	1219	4485	2034	5	H
	Power Buckets	1.64	1.25	36	914	5460	2477	4
1.97		1.51	42	1067	5829	2644	5	H
2.31		1.77	48	1219	6120	2776	5	H
2.65		2.03	54	1372	6489	2943	6	H
2.99		2.29	60	1524	6780	3075	6	H

### 490 X4 Mass with Expandable Sideframe

Bucket Type	Heaped Capacity (yd³) (m³)	Width Outside Lip (in) (mm)	Bucket Weight (lbs) (kg)	Number of Teeth	Arm 8' 4" 2.53 m			
STDP Standard duty plate	1.76	1.35	36	914	2906	1318	4	H
	2.14	1.64	42	1067	3206	1454	5	H
	2.52	1.93	48	1219	3405	1545	5	H
	2.91	2.22	54	1372	3705	1681	6	H
	3.29	2.52	60	1524	3903	1770	6	H
4.05	3.10	66	1676	4698	2131	7	M	
HDP Heavy duty plate	1.73	1.32	36	914	3507	1591	4	H
	2.10	1.61	42	1067	3848	1745	5	H
	2.48	1.90	48	1219	4108	1863	5	H
	2.85	2.18	54	1372	4448	2018	6	H
	3.24	2.48	60	1524	4707	2135	6	H
XDP Extreme duty plate	1.37	1.05	30	762	3469	1574	3	H
	1.73	1.32	36	914	3838	1741	4	H
	2.1	1.61	42	1067	4144	1880	4	H
	2.48	1.90	48	1219	4485	2034	5	H
	Power Buckets	1.64	1.25	36	914	5460	2477	4
1.97		1.51	42	1067	5829	2644	5	H
2.31		1.77	48	1219	6120	2776	5	H
2.65		2.03	54	1372	6489	2943	6	H
2.99		2.29	60	1524	6780	3075	6	H

**Approval Code For Arm/Bucket Combinations**

H..... Heavy material  
(up to 3,370 lbs./yd³)

M..... Medium material  
(up to 2,700 lbs./yd³)

L..... Light material  
(up to 2,020 lbs./yd³)

N/A..... Not applicable

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

# STANDARD & OPTIONAL EQUIPMENT

<b>CAB</b>	Travel Alarm with Cancel Switch.....S	<b>HYDRAULICS</b>	Arm Regeneration.....S	<b>UPPERSTRUCTURE</b>	Belly Pans.....S
12V Power Outlet.....S	Trip Meter (Digital).....S	Arm Speed Assistance (2 Pump Flow)....S	Attachment Cushion Valve.....S	Center Cover (Over Main CV).....S	Catwalks.....S
270° WAVES™ Camera System.....O	USB Input.....S	Auto Swing Priority.....S	Auxiliary Flow Control.....S	Counterweight Removal System.....O	Hand Rail (RH access).....S
AM/FM Sound System.....S	Wiper & Washer.....S	Auxiliary Tool Settings (Memory).....S	Auxiliary Valve.....S	Fuel Tank Belly Pan.....S	ISO Guard Rails.....S
Anti-Theft Device.....S	Wiper Switch on RH Joystick.....S	Boom Regeneration.....S	Auto Warm-Up System.....S	Lockable Fuel Cap and Service Doors.....S	Lifting Eyes for Counterweight.....S
Auxiliary Switches on Control Lever.....S	<b>ENGINE</b>	Boom Speed Assistance (2 Pump Flow)....S	50A Alternator.....S	Lockable Tool Box.....S	Turntable Tub.....S
Bluetooth.....S	Air Filter (Double Element).....S	Bucket Curl Assist.....S	Air Filter Restriction Indicator.....S	Work Lights (Boom and Tool Box).....S	
Cab Filter - External.....S	Air Pre-Cleaner (Cyclone type).....S	Control Levers Pre-Wired for Auxiliary Hyd...S	Auto Idle.....S		
Cab Handrails.....S	Auto Warm-Up System.....S	Control Pattern Changer (2 way).....S	Auto-Idle Engine Shutdown.....S		
Cab Interior Light.....S	Battery Disconnect Switch.....S	Electronically Controlled Hydraulic Pumps...S	Battery Disconnect Switch.....S		
Cab ISO-Mounts.....S	CEGR (Cooled Exhaust Gas Recirculation)....S	Fire Wall.....S	CEGR (Cooled Exhaust Gas Recirculation)....S		
Cab Light (2 LED).....O	Cooling Fan.....S	Free Swing.....S	Cooling Fan.....S		
Cab Light (2).....S	Diesel Oxidation Catalyst (DOC).....S	Holding Valve (Arm & Boom).....S	Diesel Oxidation Catalyst (DOC).....S		
Cab Sun Screen (rear).....O	Drain for Fuel Tank.....S	Hose Burst Check Valve.....O	Drain for Fuel Tank.....S		
Clear Roof Window.....S	Dual Remote Fuel Filters with Water Separators.....S	Hydraulic Filter Restriction Indicator.....S	Dual Remote Fuel Filters with Water Separators.....S		
Climate Control A/C and Heater.....S	EGR Coolers.....S	Hydraulic Oil Sample Port.....S	EGR Coolers.....S		
Cup Holder.....S	Emergency Engine Stop.....S	Long Life Hydraulic Oil (5,000 Hour).....S	Emergency Engine Stop.....S		
Defroster.....S	Engine Idle System.....S	Neutral Pump De-Stroke.....S	Engine Idle System.....S		
Digital Clock.....S	Engine Oil Sample Port.....S	Oil Cooler.....S	Engine Oil Sample Port.....S		
Emergency Exit and Hammer.....S	Engine Protection Feature.....S	Power Boost.....S	Engine Protection Feature.....S		
Face Vent.....S	External Fuel Gauge.....S	Power Save.....S	External Fuel Gauge.....S		
Floor Mat.....S	External DEF Gauge.....S	Pressure Reading on Monitor.....S	External DEF Gauge.....S		
FOPS Head Guard (Level 2).....O	Fan Housing.....S	Proportional Hydraulic Controls.....O	Fan Housing.....S		
FOPS Level 1 Certified.....S	Fuel Cooler.....S	Pump Stand-By Pressure.....S	Fuel Cooler.....S		
Front Guard (Mesh).....O	Fuel Filter Restriction Indicator.....S	Single Pedal Travel.....S	Fuel Filter Restriction Indicator.....S		
Front Guard (OPG 1,2).....O	Fuel Management System.....S	Straight Travel Circuit.....S	Fuel Management System.....S		
Front Window One-Touch Lock.....S	Fuel Shut-Off Valve.....S		Fuel Shut-Off Valve.....S		
Gate Lock Hydraulic Activation.....S	Fuel Usage History.....S	<b>AUXILIARY HYDRAULIC OPTIONS</b>	Fuel Usage History.....S		
Horn.....S	Fuel Usage Monitor.....S	Single-Acting Aux. w/ Proportional Joysticks...O	Fuel Usage Monitor.....S		
Hour Meter (Digital).....S	Glow Plug Pre-Heat.....S	Multi-Function Aux. w/ in-cab pressure setting control.....O	Glow Plug Pre-Heat.....S		
LED Color Monitor.....S	Idle-Start.....S	Thumb Aux. w/ Proportional Joysticks...O	Idle-Start.....S		
LED Light Kit for Side Camera (1).....O	Intercooler.....S	Combination Aux. w/ in-cab pressure setting control.....O	Intercooler.....S		
LED Lights for Rear Camera (2).....O	Neutral Start.....S		Intercooler.....S		
Magazine Storage Rack.....S	One-Touch Idle.....S	<b>UNDERCARRIAGE</b>	One-Touch Idle.....S		
Maintenance Interval Reminders.....S	Passive Emissions Regeneration.....S	750 mm (29.5") 3-Bar Steel Grousers...O	Passive Emissions Regeneration.....S		
MP3 Auxiliary Input Jack.....S	Radiator / Oil Cooler / Intercooler Protective Screen.....S	900 mm (35.5") 3-Bar Steel Grousers...S	Radiator / Oil Cooler / Intercooler Protective Screen.....S		
On-Board Diagnostic System.....S	Refuel Pump.....O	Carbody Belly Pan (Swivel Guarding).....S	On-Board Diagnostic System.....S		
One-Piece Right Window.....S	Remote Engine Oil Drain.....S	Center Track Guide (double).....S	One-Piece Right Window.....S		
Radio Mute Switch.....S	Remote Oil Filter.....S	Full Length Track Guide.....O	Radio Mute Switch.....S		
Rain Deflector.....O	Reversible Cooling Fan.....S	Lashing Points (Tie-Downs).....S	Rain Deflector.....O		
Rear View Camera.....S	Selective Catalytic Reduction (SCR).....S	Long Undercarriage.....S	Rear View Camera.....S		
Rear View Mirrors (2).....S	Tropical Package.....O	Sealed Link Chain.....S	Rear View Mirrors (2).....S		
RemoteCARE Support System (GPS).....S	DEF Gauge on Monitor.....S	Steps.....S	RemoteCARE Support System (GPS).....S		
Roof Sun Shade.....S	VGT Turbocharger.....S	Strutted Track Chain.....S	Roof Sun Shade.....S		
ROPS Certified Structure.....S		X-Pattern Carbody.....S	ROPS Certified Structure.....S		
Safety Glass Windows.....S			Safety Glass Windows.....S		
SCM Air-Suspension Seat with Tilt & Heater...O			SCM Air-Suspension Seat with Tilt & Heater...O		
SCM Suspension Seat.....S			SCM Suspension Seat.....S		
Seat Recline.....S			Seat Recline.....S		
Selectable Monitor Languages.....S			Selectable Monitor Languages.....S		
Small Storage.....S			Small Storage.....S		

**Equipment Key**  
Standard - S    Optional - O

## Bucket Sizes

### 490 X4 with Fixed Sideframe

Bucket Type	Heaped Capacity		Width Outside Lip		Bucket Weight (kg)	Number of Teeth	Arm 8' 4" 2.53 m	Arm 11' 1" 3.38 m	Arm 13' 2" 2.94 m	Arm 15' 11" 4.85 m	
	(yd³)	(m³)	(in)	(mm)							
STDP Standard duty plate	1.76	1.35	36	914	2,906	1,318	4	H	H	H	H
	2.14	1.64	42	1,067	3,206	1,454	5	H	H	H	H
	2.52	1.93	48	1,219	3,405	1,545	5	H	H	H	M
	2.91	2.22	54	1,372	3,705	1,681	6	H	H	M	M
	3.29	2.52	60	1,524	3,903	1,770	6	H	M	M	L
4.05	3.10	66	1,676	4,698	2,131	7	M	L	L	N/A	
HDP Heavy duty plate	1.73	1.32	36	914	3,507	1,591	4	H	H	H	H
	2.10	1.61	42	1,067	3,848	1,745	5	H	H	H	H
	2.48	1.90	48	1,219	4,108	1,863	5	H	H	H	M
	2.85	2.18	54	1,372	4,448	2,018	6	H	M	M	L
	3.24	2.48	60	1,524	4,707	2,135	6	H	M	M	L
XDP Extreme duty plate	1.37	1.05	30	762	3,469	1,574	3	H	H	H	H
	1.73	1.32	36	914	3,838	1,741	4	H	H	H	H
	2.1	1.61	42	1,067	4,144	1,880	4	H	H	H	H
	2.48	1.90	48	1,219	4,485	2,034	5	H	H	H	M
	1.64	1.25	36	914	5,460	2,477	4	H	H	H	H
1.97	1.51	42	1,067	5,829	2,644	5	H	H	H	M	
2.31	1.77	48	1,219	6,120	2,776	5	H	M	M	L	
2.65	2.03	54	1,372	6,489	2,943	6	H	M	M	L	
2.99	2.29	60	1,524	6,780	3,075	6	M	L	L	N/A	

### 490 X4 with Expandable Sideframe

Bucket Type	Heaped Capacity		Width Outside Lip		Bucket Weight (kg)	Number of Teeth	Arm 8' 4" 2.53 m	Arm 11' 1" 3.38 m	Arm 13' 2" 2.94 m	Arm 15' 11" 4.85 m	
	(yd³)	(m³)	(in)	(mm)							
STDP Standard duty plate	1.76	1.35	36	914	2,906	1,318	4	H	H	H	H
	2.14	1.64	42	1,067	3,206	1,454	5	H	H	H	H
	2.52	1.93	48	1,219	3,405	1,545	5	H	H	H	M
	2.91	2.22	54	1,372	3,705	1,681	6	H	H	M	M
	3.29	2.52	60	1,524	3,903	1,770	6	H	M	M	L
4.05	3.10	66	1,676	4,698	2,131	7	M	L	L	N/A	
HDP Heavy duty plate	1.73	1.32	36	914	3,507	1,591	4	H	H	H	H
	2.10	1.61	42	1,067	3,848	1,745	5	H	H	H	H
	2.48	1.90	48	1,219	4,108	1,863	5	H	H	H	M
	2.85	2.18	54	1,372	4,448	2,018	6	H	M	M	L
	3.24	2.48	60	1,524	4,707	2,135	6	H	M	M	L
XDP Extreme duty plate	1.37	1.05	30	762	3,469	1,574	3	H	H	H	H
	1.73	1.32	36	914	3,838	1,741	4	H	H	H	H
	2.1	1.61	42	1,067	4,144	1,880	4	H	H	H	H
	2.48	1.90	48	1,219	4,485	2,034	5	H	H	H	M
	1.64	1.25	36	914	5,460	2,477	4	H	H	H	H
1.97	1.51	42	1,067	5,829	2,644	5	H	H	H	M	
2.31	1.77	48	1,219	6,120	2,776	5	H	M	M	L	
2.65	2.03	54	1,372	6,489	2,943	6	H	M	M	L	
2.99	2.29	60	1,524	6,780	3,075	6	H	M	M	L	

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