

SAE Net Horsepower: 268 HP (200 kW)
Operating Weight: 82,400 lbs. (37 400 kg)
Digging Depth: 24 ft 1 in (7.34 m)

350x4



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, decreasing cycle times by up to 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



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



- **No DPF** to ever worry about!
- 2-3% DEF (Diesel Exhaust Fluid) consumption rate relative to fuel consumption, combined with one of the largest DEF tank capacities lets you work long hours between refills



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



- 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



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

- Ergonomic joysticks **fit your hand perfectly**



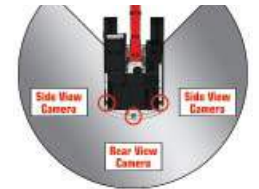
- 7" high-definition LED monitor **keeps you connected to your machine and work environment**



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



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



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



- 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**



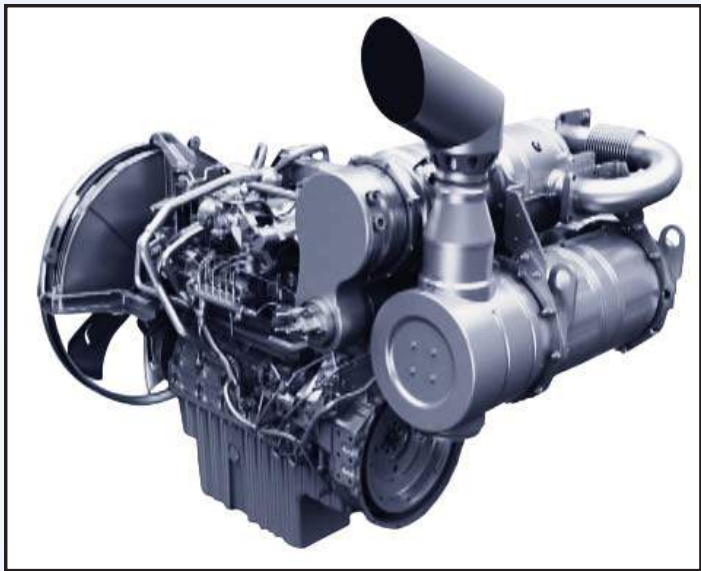
Greater digging power and increased lift capacities are the result of our innovative Spool Stroke Control (SSC) system, which reduces pressure loss and distributes hydraulic oil more smoothly. Pilot pressure sensors detect the type of work being done—such as digging or leveling—and then relays that data 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 up to 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
- 2-3% DEF consumption rate
- Two-stage DEF anti-freeze system for protection in harsh operating conditions
- 30 hrs. between SCR regenerations, only takes 5-8 minutes to complete!
- VGT (Variable Geometry Turbocharger)





POWER AND EFFICIENCY WITHOUT COMPROMISE



The X4 Series offers one of the most advanced and roomiest cabs 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.

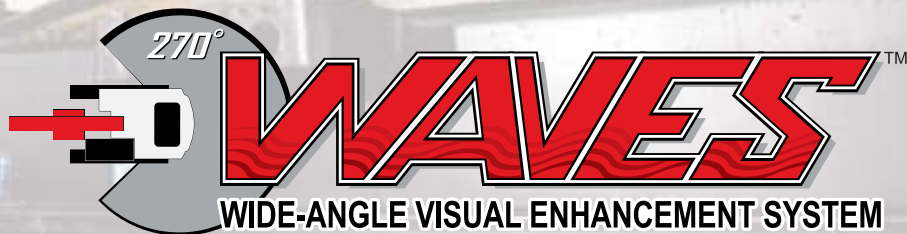
- Quiet, pressurized cab
- Joysticks with easy-to-hold grip and switches
- Handy 'radio mute' and one touch wiper switch
- Optional proportional joysticks w/ auxiliary hydraulics control
- Cup holder and storage areas for cell phones and other small items
- Dual halogen cab lights standard
- Full time 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.



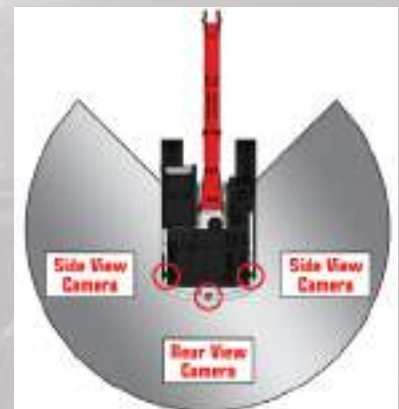


High-Definition LED monitor has a full-color 7" display that rivals the resolution found in luxury automobiles. Controls are easy to read and easy to use. The rear-view camera activates automatically whenever the machine is started, and sight guidelines have been added for increased safety.

- 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 flow and pressure controls for auxiliary hydraulics
- Anti-theft system
- Auto-adjusts for time and calendar
- 24 languages available
- Ability to view fuel consumption



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
- 6-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



Lowes

- Thicker travel motor case - 28% increase
- 14% more stroke recoil spring
- 50% longer idler shoulder and 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-6HK1X 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 J 1349 net horsepower.....	268 hp (200 kW) @ 1,900 rpm
Displacement	475 cu in (7.8 L)
Maximum Torque.....	729 lbf-ft (988 Nm) @ 1,500 rpm
Starter	24V-5.0kW
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, AM/FM sound system with 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 79.3 gpm (300 L/min)
Pilot Pump Maximum Flow.....	7.5 gpm (28.5 L/min)

Relief Valve Settings

Boom/Arm/Bucket.....	4,970 psi (34.3 MPa)
in Power Boost.....	5,410 psi (37.3 MPa)
Swing Circuit	4,410 psi (30.4 MPa)
Travel Circuit	4,970 psi (34.3 MPa)

Hydraulic Cylinders

	number of cylinders - bore x rod x stroke
Boom.....	2 - 5.7" x 3.9" x 58.9" (145 mm x 100 mm x 1,495 mm)
Arm	1 - 6.7" x 4.7" x 68.8" (170 mm x 120 mm x 1,748 mm)
Bucket.....	5.9" x 4.1" x 47.6" (150 mm x 105 mm x 1,210 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.....	9.7 rpm
Tail Swing	11' 8" (3.55 m)
Swing Torque	82,600 lbf-ft (112 kNm)



Undercarriage

X Pattern carbody with 16' 4" (4.98 m) LC long undercarriage by 8' 6" (2.60 m) track gauge, Sealed and strutted track chain with track guide, Sealed rollers and idlers, Two-speed independent hydrostatic travel with compact planetary final drive, Disc type brakes, Adjustable track tension, Carbody belly pan.

Carrier Rollers	2 per Side
Track Rollers	8 per Side
Track Link Pitch.....	8.5" (216 mm)
Shoes	48 per Side
Shoe Width.....	31.5" (800 mm)
Ground Pressure.....	7.69 psi (0.053 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	2.1 - 3.5 mph (3.4 - 5.6 km/h)
Drawbar Pull.....	58,200 lbf (259 kN)
Gradeability	70% (35°)



Attachment

Boom	21' 2" (6.45 m)
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Available Arms

Digging Force

• 10' 8" (3.25 m)	36,980 lbf (165 kN)
with Auto Power Boost	40,200 lbf (179 kN)
• 8' 8" (2.63 m)	43,770 lbf (195 kN)
with Auto Power Boost	47,590 lbf (212 kN)
• 13' 3" (4.04 m)	31,470 lbf (140 kN)
with Auto Power Boost	34,220 lbf (152 kN)
• Bucket Digging Force	51,640 lbf (230 kN)
with Auto Power Boost	56,160 lbf (250 kN)



Lubricant & Coolant Capacity

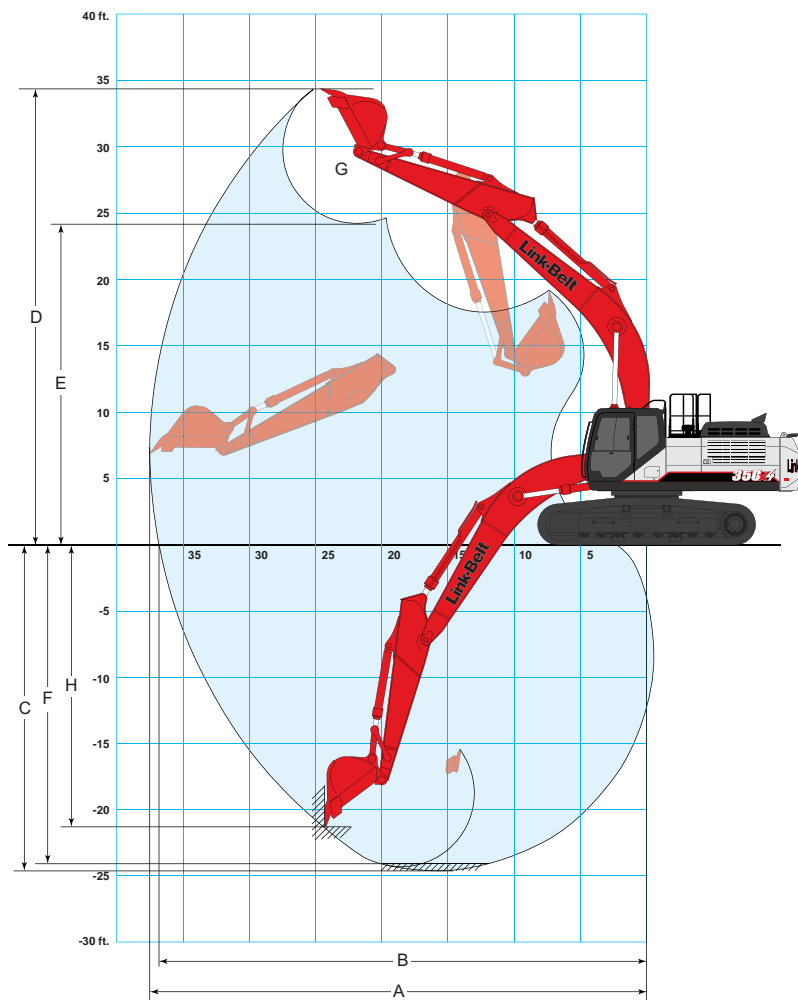
Fuel Tank	153 Gallons (580.0 Liters)
Hydraulic System	92 Gallons (350.0 Liters)
Hydraulic Tank	46 Gallons (175.0 Liters)
Final Drive (per side)	2.5 Gallons (9.5 Liters)
Swing Drive	1.3 Gallons (5.0 Liters)
Engine Oil	12.7 Gallons (48.0 Liters)
DEF Tank.....	40 Gallons (152.0 Liters)
Coolant System	10.0 Gallons (38.0 Liters)



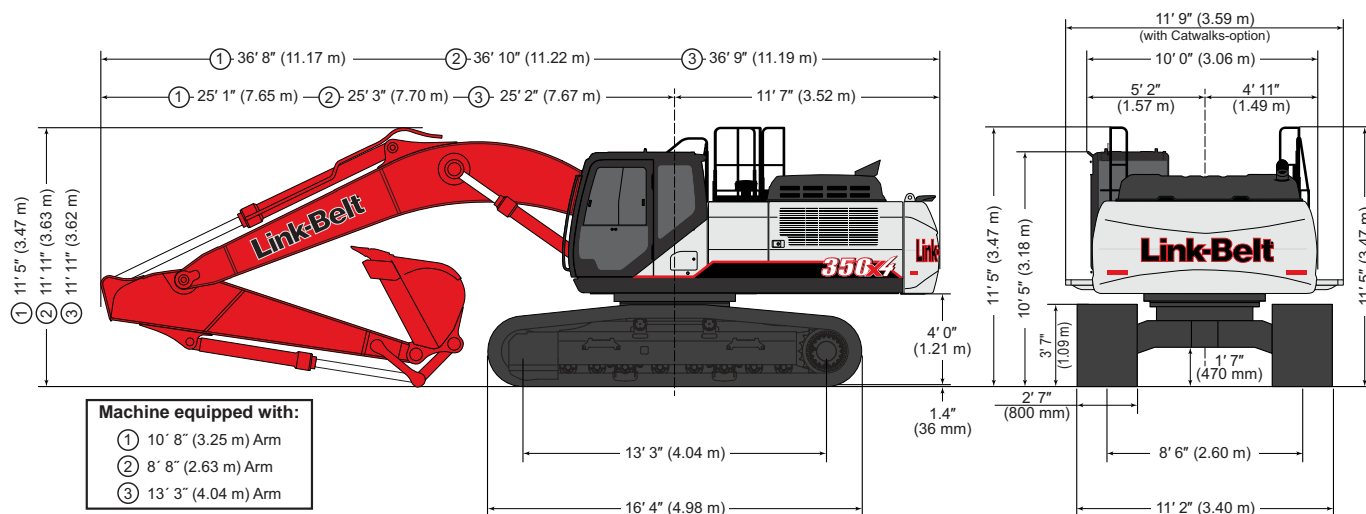
Operating Weight

Working weight with 31.5" (800 mm) shoes, 21' 2" (6.45 m) boom, 10' 8" (3.25 m) arm, 2,601 lb. (1 180 kg) bucket, 16,300 lb. (7 400 kg) counterweight	82,400 lbs. (37 400 kg)
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WORKING RANGE & TRAVEL DIMENSIONS







Machine Equipped with 21' 2" (6.45 m) Boom	Arm 10' 8" (3.25 m)	Arm 8' 8" (2.63 m)	Arm 13' 3" (4.04 m)
A. Maximum reach	36' 8" (11.17 m)	34' 11" (10.65 m)	39' 0" (11.90 m)
B. Maximum reach @ ground level	36' 0" (10.98 m)	34' 3" (10.45 m)	38' 5" (11.71 m)
C. Maximum dig depth	24' 1" (7.34 m)	22' 1" (6.72 m)	26' 9" (8.14 m)
D. Maximum dig height	34' 1" (10.38 m)	33' 9" (10.28 m)	34' 11" (10.65 m)
E. Maximum dump height	23' 9" (7.24 m)	23' 4" (7.11 m)	24' 8" (7.53 m)
F. Digging depth 8' (2.44 m) level bottom	23' 7" (7.19 m)	21' 6" (6.54 m)	26' 3" (8.01 m)
G. Bucket rotation	173°	173°	173°
H. Maximum vertical wall depth	20' 10" (6.34 m)	19' 7" (5.98 m)	23' 0" (7.01 m)



LIFT CAPACITIES

Radius of Load																	
10' 8" (3.25 m) Arm with 21' 2" (6.45 m) Boom and 2,600 lb. (1 170 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)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0" (9.0 m)	lbs															8,850*	8,850*
	kg															3 980*	3 980*
+25' 0" (7.5 m)	lbs									14,350*	14,350*	9,950*	9,950*			8,250*	8,250*
	kg									6 750*	6 750*	5 330*	5 330*			3 740*	3 740*
+20' 0" (6.0 m)	lbs									16,150*	16,150*	14,650*	12,000			8,050*	8,050*
	kg									7 380*	7 380*	6 690*	5 600			3 660*	3 660*
+15' 0" (4.5 m)	lbs							20,900*	20,900*	17,700*	16,000	15,700*	11,650			8,150*	8,150*
	kg							9 660*	9 660*	8 180*	7 440	7 270*	5 430			3 700*	3 700*
+10' 0" (3.0 m)	lbs			45,450*	45,450*	33,950*	33,300*	24,700*	21,800	20,000*	15,250	17,050*	11,250	9,550*	8,450	8,450*	8,350
	kg			17 480*	17 480*	15 740*	15 450	11 440*	10 110	9 230*	7 080	7 850*	5 230	5 450*	3 960	3 830*	3 780
+5' 0" (1.5 m)	lbs			17,200*	17,200*	39,150*	31,550	27,900*	20,450	21,850*	14,500	16,850	10,800	9,500*	8,300	8,950*	8,250
	kg			7 290*	7 290*	17 950*	14 650	12 900*	9 500	10 080*	6 750	7 830	5 030	5 600*	3 860	4 070*	3 730
Ground Line	lbs			23,350*	23,350*	40,950*	30,000	29,600*	19,500	21,950	13,950	16,450	10,500			9,850*	8,500
	kg			10 360*	10 360*	18 830*	13 940	13 680*	9 060	10 200	6 480	7 660	4 880			4 460*	3 850
-5' 0" (1.5 m)	lbs	23,250*	23,250*	31,800*	31,800*	40,800*	29,700*	29,700*	19,050	21,600	13,650	16,350	10,350			11,300*	9,200
	kg	10 400*	10 400*	14 140*	14 140*	18 840*	13 810	13 720*	8 850	10 040	6 340	7 590	4 810			5 090*	4 150
-10' 0" (3.0 m)	lbs	32,100*	32,100*	43,100*	43,100*	38,800*	30,000	28,700*	19,200	21,600	13,750					13,700*	10,550
	kg	14 390*	14 390*	19 080*	19 080*	17 930*	13 950	13 280*	8 910	10 030	6 390					6 160*	4 750
-15' 0" (4.5 m)	lbs	43,000*	43,000*	47,750*	47,750*	34,100*	30,500	25,400*	19,700	18,450*	14,350					16,150*	13,200
	kg	19 170*	19 170*	22 150*	22 150*	15 830*	14 180	11 840*	9 140	8 750*	6 650					7 300*	5 900
-20' 0" (6.0 m)	lbs			33,900*	33,900*	24,850*	24,850*	16,900*	16,900*							15,350*	15,350*
	kg			16 040*	16 040*	11 800*	11 800*	8 300*	8 300*							7 040*	7 040*

Radius of Load																	
8' 8" (2.63 m) Arm with 21' 2" (6.45 m) Boom and 2,750 lb. (1 240 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)		Cap at Max. Reach			
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0" (9.0 m)	lbs													12,500*	12,500*		
	kg													5 620*	5 620*		
+25' 0" (7.5 m)	lbs									16,250*	16,250*			11,550*	11,550*		
	kg									7 400*	7 400*			5 230*	5 230*		
+20' 0" (6.0 m)	lbs									17,450*	16,150	15,650*	11,500	11,250*	10,600		
	kg									7 970*	7 500*	7 140*	5 390	5 080*	4 770		
+15' 0" (4.5 m)	lbs					27,700*	27,700*	22,350*	22,000	18,700*	15,500	16,550*	11,250	11,250*	9,450		
	kg					12 770*	12 770*	10 350*	10 210*	8 650*	7 210	7 640*	5 250	5 110*	4 250		
+10' 0" (3.0 m)	lbs					33,400*	32,900	25,900*	21,100	20,700*	14,800	16,900	10,850	11,550*	8,850		
	kg					15 460*	15 250	12 010*	9 780	9 550*	6 870	7 870	5 070	5 260*	4 020		
+5' 0" (1.5 m)	lbs					38,600*	30,450	28,550*	19,850	22,000*	14,100	16,500	10,500	12,200*	8,750		
	kg					17 850*	14 130	13 210*	9 220	10 220	6 560	7 680	4 890	5 550*	3 970		
Ground Line	lbs					40,600*	29,350	29,550*	19,050	21,600	13,600	16,250	10,250	13,350*	9,100		
	kg					18 720*	13 650	13 660*	8 850	10 050	6 330	7 550	4 770	6 050*	4 120		
-5' 0" (1.5 m)	lbs	21,500*	21,500*	32,150*	32,150*	39,850*	29,550	29,300*	18,850	21,400	13,450	16,300	10,300	15,200*	9,950		
	kg	9 280*	9 280*	14 270*	14 270*	18 380*	13 740	13 520*	8 750	9 960	6 250	7 560	4 780	6 880*	4 510		
-10' 0" (3.0 m)	lbs	35,450*	35,450*	46,900*	46,900*	36,800*	30,000	27,500*	19,100	20,850*	13,800			16,450*	11,700		
	kg	15 900*	15 900*	20 730*	20 730*	17 000*	13 950	12 750*	8 880	9 720*	6 390			7 470*	5 270		
-15' 0" (4.5 m)	lbs			41,400*	41,400*	30,700*	30,050	22,750*	19,650					15,850*	15,250		
	kg			19 220*	19 220*	14 290*	13 980	10 680*	9 120					7 150*	6 800		

Radius of Load																	
13' 3" (4.04 m) Arm with 21' 2" (6.45 m) Boom and 2,300 lb. (1 050 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)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0" (9.0 m)	lbs															6,650*	6,650*
	kg															2 990*	2 990*
+25' 0" (7.5 m)	lbs											11,250*	11,250*			6,250*	6,250*
	kg											5 320*	5 320*			2 820*	2 820*
+20' 0" (6.0 m)	lbs											13,000*	12,300	7,750*	7,750*	6,100*	6,100*
	kg											5 940*	5 740	4 170*	4 170*	2 760*	2 760*
+15' 0" (4.5 m)	lbs									15,800*	15,800*	14,400*	11,900	10,950*	8,800	6,150*	6,150*
	kg									7 290*	7 290*	6 670*	5 540	5 400*	4 120	2 790*	2 790*
+10' 0" (3.0 m)	lbs					29,600*	29,600*	22,400*	21,900	18,450*	15,550	15,800*	11,350	12,950*	8,550	6,400*	6,400*
	kg					13 770*	13 770*	10 350*	10 160	8 510*	7 220	7 280*	5 300	6 220	3 990	2 890*	2 890*
+5' 0" (1.5 m)	lbs			29,700*	29,700*	36,450*	32,450	26,050*	20,850	20,600*	14,650	16,850	10,850	13,050	8,250	6,800*	6,800*
	kg			12 660*	12 660*	16 890*	15 070	12 050*	9 670	9 510*	6 820	7 830	5 050	6 080	3 850	3 080*	3 080*
Ground Line	lbs	11,800*	11,800*	25,500*	25,500*	40,050*	30,200	28,500*	19,600	21,900*	13,950	16,450	10,400	12,800	8,000	7,450*	7,400
	kg	5 310*	5 310*	11 250*	11 250*	18 520*	14 040	13 180*	9 100	10 160	6 480	7 640	4 850	5 960	3 740	3 370*	3 360
-5' 0" (1.5 m)	lbs	20,650*	20,650*	30,550*	30,550*	40,600*	29,200	29,400*	18,800	21,400	13,450	16,100	10,150	8,800*	7,950	8,450*	7,900
	kg	9 270*	9 270*	13 570*	13 570*	18 750*	13 590	13 580*	8 740	9 960	6 250	7 500	4 710	5 250*	3 700	3 830*	3 590
-10' 0" (3.0 m)	lbs	27,900*	27,900*	38,700*	38,700*	39,700*	29,250	29,000*	18,700	21,300	13,350	16,150	10,150			10,150*	8,900
	kg	12 520*	12 520*	17 170*	17 170*	18 340*	13 610	13 400*	8 700	9 910	6 210	7 500	4 720			4 570*	4 020
-15' 0" (4.5 m)	lbs	38,250*	38,250*	50,500*	50,500*	36,600*	29,800	27,050*	19,050	20,550*	13,700					13,150*	10,750
	kg	17 030*	17 030*	22 600*	22 600*	16 970*	13 840	12 570*	8 840	9 600*	6 350					5 870*	4 820
-20' 0" (6.0 m)	lbs			42,500*	42,500*	30,100*	29,800	22,000*	19,500							14,900*	14,500
	kg			19 910*	19 910*	14 110*	13 860	10 400*	9 060							6 820*	6 430

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.**
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STANDARD & OPTIONAL EQUIPMENT

CAB	Wiper & Washer.....S	HYDRAULICS	Long Undercarriage.....S
12V Power Outlet.....S	Wiper Switch on RH Joystick.....S	Arm Regeneration.....S	Sealed Link Chain.....S
270° WAVES™ Camera System.....O	ENGINE	Arm Speed Assistance (2 Pump Flow)....S	Steps.....S
AM/FM Sound System.....S	50A Alternator.....S	Attachment Cushion Valve.....S	Strutted Track Chain.....S
Anti-Theft Device.....S	90A Alternator.....O	Auto Swing Priority.....S	X-Pattern Carbody.....S
Auxiliary Switches on Control Lever.....S	Air Filter (Double Element).....S	Auxiliary Flow Control.....S	UPPERSTRUCTURE
Cab Filter - External.....S	Air Filter Restriction Indicator.....S	Auxiliary Tool Settings (Memory).....S	Belly Pans.....S
Cab Handrails.....S	Air Pre-Cleaner (Cyclone type).....S	Auxiliary Valve.....S	Center Cover (Over Main CV).....S
Cab Interior Light.....S	Auto Warm-Up System.....S	Boom Regeneration.....S	Fuel Tank Belly Pan.....S
Cab ISO-Mounts.....S	Auto-Idle.....S	Boom Speed Assistance (2 Pump Flow)....S	Hand Rail (RH access).....S
Cab Light (2 LED).....O	Auto-Idle Engine Shutdown.....S	Bucket Curl Assist.....S	ISO Guard Rails.....S
Cab Light (2).....S	Battery Disconnect Switch.....S	Control Levers Pre-Wired for Auxiliary Hyd...S	Lifting Eyes for Counterweight.....S
Cab Sun Screen (rear).....O	CEGR (Cooled Exhaust Gas Recirculation)....S	Control Pattern Changer (2 way).....S	Lockable Fuel Cap and Service Doors.....S
Clear Roof Window.....S	Cooling Fan.....S	Electronically Controlled Hydraulic Pumps...S	Lockable Tool Box.....S
Climate Control A/C and Heater.....S	Diesel Oxidation Catalyst (DOC).....S	Fire Wall.....S	Rubber Bumper Guards.....O
Cup Holder.....S	Drain for Fuel Tank.....S	Free Swing.....S	Turntable Tub.....S
Defroster.....S	Dual Remote Fuel Filters with Water Separators.....S	Holding Valve (Arm & Boom).....S	Work Lights (Boom and Tool Box).....S
Digital Clock.....S	EGR Coolers.....S	Hose Burst Check Valve.....O	ATTACHMENT
Emergency Exit and Hammer.....S	Emergency Engine Stop.....S	Hydraulic Filter Restriction Indicator.....S	8' 8" (2.63 m) Short Arm.....O
Face Vent.....S	Engine Idle System.....S	Hydraulic Oil Sample Port.....S	10' 8" (3.25 m) Arm.....O
Floor Mat.....S	Engine Oil Sample Port.....S	Long Life Hydraulic Oil (5,000 Hour).....S	13' 3" (4.04 m) Arm.....O
FOPS Head Guard (Level 2).....O	Engine Protection Feature.....S	Neutral Pump De-Stroke.....S	21' 2" (6.45 m) Main Boom Section.....S
FOPS Level 1 Certified.....S	External Fuel Gauge.....S	Oil Cooler.....S	Auxiliary Pipe Brackets.....S
Front Guard (Mesh).....O	External DEF Gauge.....S	Power Boost.....S	Boom Work Light.....S
Front Guard (OPG 1,2).....O	Fan Housing.....S	Power Save.....S	Bucket Anti-Clatter Device.....S
Front Window One-Touch Lock.....S	Fuel Cooler.....S	Pressure Reading on Monitor.....S	Chrome Pins.....S
Gate Lock Hydraulic Activation.....S	Fuel Filter Restriction Indicator.....S	Proportional Hydraulic Controls.....O	Easy Maintenance System (EMS).....S
Hom.....S	Fuel Management System.....S	Pump Stand-By Pressure.....S	HD Bucket Linkage.....S
Hour Meter (Digital).....S	Fuel Shut-Off Valve.....S	Single Pedal Travel.....S	Quick Couplers.....O
LED Color Monitor.....S	Fuel Usage History.....S	Straight Travel Circuit.....S	Remote Lube Bank.....S
LED Light Kit for Side Camera (1).....O	Fuel Usage Monitor.....S	AUXILIARY HYDRAULIC OPTIONS	Teardrop Pin Retention Keepers.....S
LED Lights for Rear Camera (2).....O	Glow Plug Pre-Heat.....S	Single-Acting Aux. w/ Pedal Activation.....O	Thumbs.....O
Magazine Storage Rack.....S	Idle-Start.....S	Single-Acting Aux. w/ Proportional Joysticks...O	PARTS KIT
Maintenance Interval Reminders.....S	Intercooler.....S	Multi-Function Aux. w/ Proportional Joysticks...O	Bucket Anti-Clatter Device.....S
MP3 Auxiliary Input Jack.....S	Neutral Start.....S	Multi-Function Aux. w/ in-cab pressure setting control.....O	Engine Manual.....S
On-Board Diagnostic System.....S	One-Touch Idle.....S	Thumb Aux. w/ Proportional Joysticks...O	Engine Oil Filter.....S
One-Piece Right Window.....S	Passive Emissions Regeneration.....S	Secondary Aux. w/ Proportional Joysticks...O	Filter Wrench.....S
Radio Mute Switch.....S	Radiator / Oil Cooler / Intercooler Protective Screen.....S	Combination Aux. w/ Proportional Joysticks...O	Fuel Filters.....S
Rain Deflector.....O	Refuel Pump.....O	Combination Aux. w/ in-cab pressure setting control.....O	Grease Gun.....S
Rear View Camera.....S	Remote Engine Oil Drain.....S	Bucket Quick Coupler Hydraulics Line.....O	Green Plug Drain Hose for Engine Oil Drain...S
Rear View Mirrors (2).....S	Remote Oil Filter.....S	UNDERCARRIAGE	Hydraulic Return Filter.....S
RemoteCARE Support System (GPS).....S	Selective Catalytic Reduction (SCR).....S	600 mm (23.5" in) 3-Bar Steel Grousers...O	Ignition Keys.....S
Roof Sun Shade.....S	Tropical Package.....O	700 mm (27.5" in) 3-Bar Steel Grousers...O	Pilot Circuit Hydraulic Filter.....S
ROPS Certified Structure.....S	DEF Gauge on Monitor.....S	800 mm (31.5" in) 3-Bar Steel Grousers...S	Rearview Mirrors.....S
Safety Glass Windows.....S	VGT Turbocharger.....S	Carbody Belly Pan (Swivel Guarding).....S	Work Light for Boom.....S
SCM Air-Suspension Seat with Tilt & Heater...O		Center Track Guide (single).....S	
SCM Suspension Seat.....S		Center Track Guide (triple).....O	
Seat Recline.....S		Lashing Points (Tie-Downs).....S	
Selectable Monitor Languages.....S			
Small Storage.....S			
Travel Alarm with Cancel Switch.....S			
Trip Meter (Digital).....S			

Bucket Sizes

Bucket Type	SAE Heaped Capacity		Width Outside Lip		Bucket Weight		Number of Teeth	Arm Length		
	(yd³)	(m³)	(in)	(mm)	(lbs)	(kg)		8' 8" 2.63 m	10' 8" 3.25 m	13' 3" 4.04 m
STDP Standard duty plate	1.26	0.96	30	762	2306	1046	4	H	H	H
	1.59	1.22	36	914	2516	1141	4	H	H	H
	1.92	1.47	42	1067	2786	1264	5	H	H	H
	2.25	1.72	48	1219	2956	1341	5	H	H	M
	2.59	1.98	54	1372	3226	1463	6	M	M	L
HDP Heavy duty plate	2.93	2.24	60	1524	3396	1540	6	M	L	L
	1.22	0.93	30	762	2886	1309	4	H	H	H
	1.54	1.18	36	914	3131	1420	4	H	H	H
	1.86	1.42	42	1067	3459	1569	5	H	H	H
	2.19	1.67	48	1219	3704	1680	5	H	H	M
XDP Extreme duty plate	2.53	1.93	54	1372	4031	1828	6	M	M	L
	1.22	0.93	30	762	3327	1509	4	H	H	H
	1.54	1.18	36	914	3620	1642	4	H	H	H
	1.86	1.42	42	1067	3994	1812	5	H	H	M
	2.48	1.90	48	1219	4287	1945	5	M	M	L
POWER HDP for use with ESCO multi-pin grabber only	1.08	0.83	30	762	3461	1570	4	H	H	H
	1.35	1.03	36	914	3688	1673	4	H	H	H
	1.62	1.24	42	1067	3860	1751	5	H	H	H
	1.90	1.45	48	1219	4030	1828	5	H	H	M
	2.18	1.67	54	1372	4257	1931	6	H	M	L
	2.20	1.68	72	1829	2971	1348	0	H	H	M

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