

Link-Belt
EXCAVATORS • FORESTRY
DEMOLITION • MATERIAL HANDLING

470^{x3}

SPECIFICATIONS

SAE Net Horsepower:

with fan pump: 329 HP (245 kW)

without fan pump: 362 HP (270 kW)

Operating Weight: 111,554 lbs. (50 600 kg)

Digging Depth: 24 ft. 10 in. (7.57 m)



Cab

The Link-Belt X3 cab is the strongest and roomiest LBX has ever offered. The X3 cab is ROPS and FOPS Level 1 certified and is designed to be strong and safe without sacrificing operator comfort. There is plenty of room to rest work boots on the two foot rests on either side of the travel pedals and still have enough space for the straight line travel pedal (standard on 250X3 and larger).

Roomy

- 5% larger than X2 series cab
- 7% more floor space

Strong

- ROPS and FOPS Level 1 certified

Comfortable

- Fully-adjustable KAB seat, forward/backward, up/down
- Control consoles adjust independently of seat
- Adjustable arm rest angles, lumbar support, suspension

Optimum Visibility

- Sunroof with sunshade rated FOPS level 1
- Additional mirrors
- Standard rearview camera
- Wiper blade stores off front glass

Ergonomic Joysticks

- Low-effort
- Pre-wired for auxiliary hydraulics
- Function buttons for wiper swipe, horn, radio mute and one-touch idle
- Large, easy-to-push triggers

Quiet

- Pressurized cab
- 8% stronger climate control system with 8 vents
- Auxiliary sound jack to enjoy music or podcasts

Organized

- Logically located switches and controls
- Accessible 12V outlet for cell phone charging
- Cup holder
- Handy phone storage areas
- Removable ashtray; empty space can be used as an additional cup holder



High-Definition 7" LED Monitor

The Link-Belt X3's from LBX are equipped with an all new High-Definition LED monitor. The full-color 7-inch monitor is one of the largest in the industry and rivals the resolution and quality found in luxury automobiles.

The X3's user-friendly monitor panel includes an engine-idle shutdown option that safely shuts off the engine after 3 minutes of idling, conserving fuel. Another idle feature accessible from the monitor panel is the auto-idle feature that, when selected, takes the engine speed down to an idle level, conserving fuel while waiting for that next truck to show up.



The X3's use a "passive" regeneration process and the monitor clearly lets the operator know what is going on and if they need to do anything with the machine. The on-screen DPD gauge shows the level of particulate matter that the DPF is capturing and will clean it out every 8 hours by way of an Auto Regeneration. During the Auto Regeneration process, the operator does NOT have to do anything with the machine other than keep working. During a parked, or Manual Regeneration, the monitor will give the operator the appropriate instructions on what to do with the machine, making it as simple as possible.

In-Cab Control

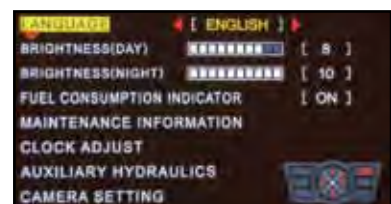
- Select and set up attachments
- Track or monitor up to 13 service interval reminders
- Engine idle shutdown, which, when selected, safely shuts off the engine after 3 minutes of idling to conserve fuel
- Adjust hydraulic flow
- Option to adjust and set auxiliary hydraulic flows and pressures (210, 250, 300, 350 models only)
- 18 languages available

Monitor

- Fuel consumption gauge
- Full color display of standard rear view camera AND optional side-view camera on the same screen
- Monitor engine coolant and hydraulic oil temperatures
- Displays fuel level, travel mode, work mode and attachment mode
- System/Machine warning messages
- Work tool settings

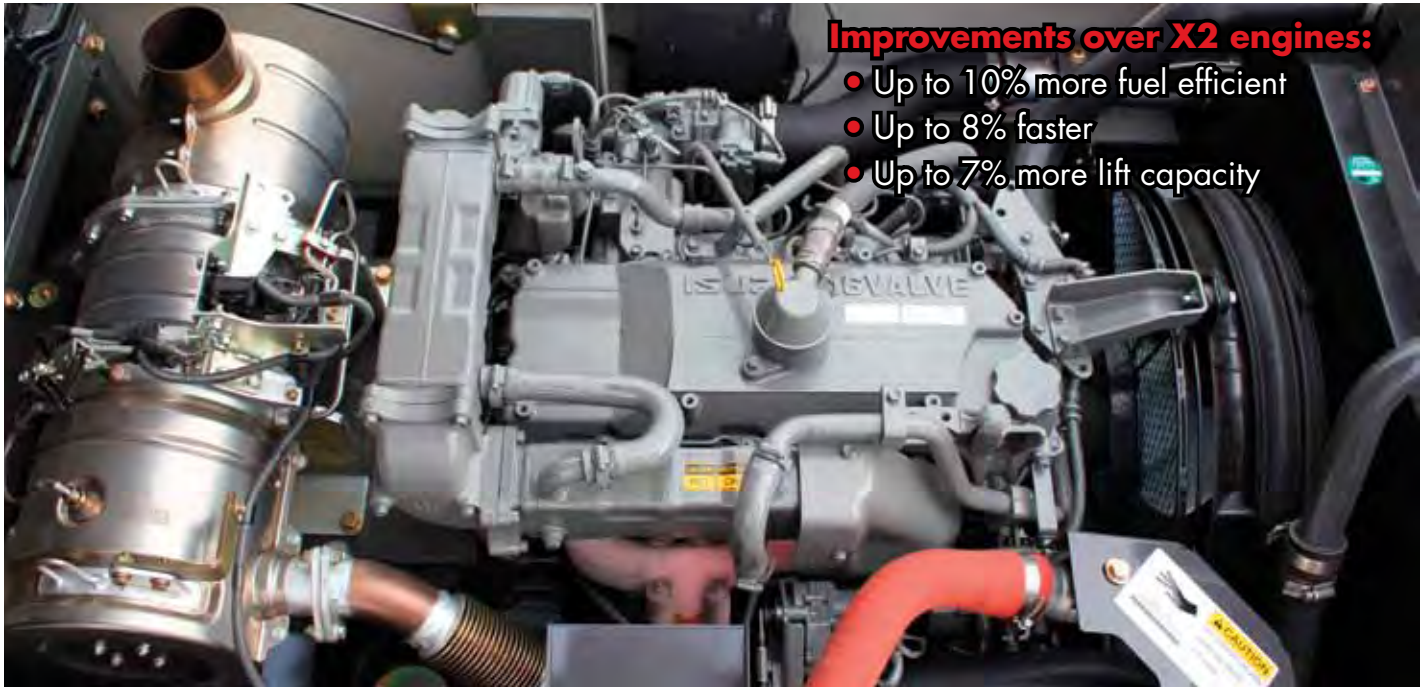


A standard rear-view camera displays a panoramic view of the worksite from the rear of the machine, an optional side-view camera is available.



From the Computer Menu, you can change the monitor language, program service reminders and change auxiliary settings for flow and pressure to name a few.

Engine



Improvements over X2 engines:

- Up to 10% more fuel efficient
- Up to 8% faster
- Up to 7% more lift capacity

The fuel-efficient, powerful, productive, quiet and long-lasting Isuzu engine LBX uses in the Link-Belt X3 series meets the EPA's Interim Tier 4 (Tier 4a) requirements by way of cooled exhaust gas recirculation (EGR) technology and a diesel particulate diffuser system (DPD). The DPD consists of a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF) for "passive regeneration" of exhaust emissions. This is the cleanest running and most fuel efficient engine used in a Link-Belt excavator to date.

A new variable geometry turbocharger (VGT) helps optimize the combustion process and ensures consistent boost pressure during low engine rpm's. This maintains efficient machine performance and helps eliminate harmful nitrous oxides (NOx) from forming.

The X3 has three engine work modes to give the operator full control of the machine for the job at hand:



- **Speed Priority (SP mode)** is the fastest and most productive mode giving the operator peak machine performance to get the job done quickly.
- **Heavy (H mode)** is a perfect combination of fuel efficiency and productivity. It really is the best of both worlds!
- **Applied Power (A mode)** gives the operator 13 different engine rpm settings to choose from to easily fine tune the machine to the specific job at hand. This mode is perfect for heavy lifting, fine grading or leveling work, and pipeline contractors use it to safely set pipe down into the trench.



Intelligent Design

- Quiet
- Long-lasting
- One-touch idle and auto idle functions conserve fuel
- Idle start protects a cold engine from over-revving
- Auto engine warm up feature gradually increases engine speed until normal operating temperature is achieved

Hydraulics

The Link-Belt X3's from LBX are equipped with two Kawasaki variable-displacement axial-piston pumps and one Kawasaki gear pump installed in-line with the engine. This is the most efficient hydraulic pump layout – keeping engine rpm's low while producing plenty of hydraulic muscle.

The X3 uses an open center hydraulic system which refers to the open passage in the control valve that allows the hydraulic oil to return to tank when the control valve is centered. This design gives the machine a much smoother feeling when operating and also eliminates excess pressure throughout the system, which, in turn, helps to conserve fuel.

Powerful & Productive

- Auto Power Boost gives 9% more hydraulic pressure (power) for 8 seconds
- More speed through larger hydraulic lines
- Improved oil regeneration circuits

Safe

- Boom and arm holding valves
- Standard hydraulic control pattern change valve to move between ISO and SAE
- Standard straight-line travel on 250 class and larger
- Optional "Free Swing" auto-centers the machine over the load and takes out the pendulum effect of large, long loads

Long-lasting

- Continuous filtration of 5000-hour hydraulic oil through a 6 micron, full-flow return filter
- Less wear due to reduced back pressure



Serviceability

Easy to maintain

- Ground level access to:
 - ✓ Batteries
 - ✓ Dual fuel filters with water separators
 - ✓ Engine oil filter
 - ✓ Dual element air filter
 - ✓ Cab fresh air filter
- Green drain plug and hose
- Easy-open engine hood
- Easy-access in-cab fuse box accessible while seated in cab seat
- Side-by-side oil cooler/radiator design is easy to clean
- Quick and easy access to grease all attachment pivot points
- Grease cylinder track adjusters make adjusting track tension a breeze

Maintenance reminders

- In-cab monitor will track 13 different serviceable items:
 - ✓ 5 reminders for engine items
 - ✓ 5 for hydraulic items
 - ✓ 3 other reminders

Simple

- Flexible and heat-resistant color-coded wiring harnesses
- External fuel site gauge can be viewed from ground-level to see fuel levels
- Lube and maintenance charts posted inside toolbox for readability and protection from the elements

Performance

Improvements and Optimizations

- 7% increased lift capacity over X2 series
- 10% better fuel efficiency than X2 series
- 8% faster cycle times
- Time will be saved in switching out the attachment tools via the in-cab monitor



Innovation at Work



Durability

LBX built the Link-Belt X3 series to last, and they come with one of the best standard warranties in the industry. We back our machines with a 1-year / 1,800 hour full machine warranty, a 2-year / 3,000 hour engine warranty, and a 3-year / 10,000 hour XtraStructure warranty that even covers the turntable bearing and tub.



EMS (Extended Maintenance System) chrome pins and grease impregnated brass bushings with graphite inserts reduce wear-and-tear and can be found throughout the attachment. This design makes it possible to extend lube intervals to 6 months or 1,000 hours at all pivot points excluding the bucket which is monthly or 250 hours, whichever comes first.

Strong

- All booms and arms are ultrasound tested at the factory
- X-Pattern carbody made with high tensile strength steel
- Turntable bearing tub extends through the carbody and is welded on top and bottom
- Factory standard belly pan guard
- D-channel sideframes provide excellent impact resistance
- Cab is FOPS level 1 and ROPS certified
- Thicker steel plating on the attachment
- Standard HD linkage on 350 X3 and 470 X3 and on all Link-Belt X3 excavators ordered with factory hydraulic packages



X-Pattern carbody



Turntable bearing tub

Options

- Pre-existing mounting bosses make adding additional guarding easy
- Rubber bumper guarding
- Catwalks



D-channel sideframes



Specifications

Engine

Isuzu AL-6UZ1X Tier 4A 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 Particulate Diffuser (DPD) with Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF) for "passive regeneration" of exhaust emissions, Electronic fuel pump and priming, Fuel cooler, Auto-idle start, Auto warm-up, Reversible Fan, EPF engine protection, Dual-stage fuel filtration, In-cab fuel filter restriction indicator, Remote oil filter, 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)
Max. Torque...1,058 lbfft (1,435 Nm) @ 1,500 rpm
Starter24V-5.5 kW
Alternator.....50 amp
Battery.....(2) 12-volt 128 amp hours

Cab and Controls

ROPS enclosed cab with climate control A/C and heat with defroster, Control panel with LED Hi-Definition color monitor, Rearview camera display, Fuel-efficiency gauge, DPF regeneration gauge, Low-effort joysticks pre-wired for auxiliary hydraulics, Control pattern changer, Safety glass windows, Sunroof with sunshade, Shockless cab suspension with four fluid mountings, KAB® 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, 24-volt cigarette lighter, 12-volt outlet, Travel alarm, Handrails, Mirrors, Side-entry cab filter, Spare parts kit.

Four selectable working modes, Anti-theft password protection system, On-board 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.

A/C Rating19,840 BTU/h
Heater Rating21,030 BTU/h
Sound Level - Cab Interior.....73.0 dB(A)
Sound Level - Exterior.....104.0 dB(A)

Hydraulic System

Open-center system, Two variable-displacement 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 Pumps

Pump Output2 x 96.2 gpm (364 L/min)
Pilot Pump Maximum Flow ...7.9 gpm (30.0 L/min)

Relief Valve Settings

Boom Up/Arm/Bucket...4,550 psi (31.4 MPa)
in Power Boost4,970 psi (34.3 MPa)
Boom Down3,550 psi (24.5 MPa)
Swing Circuit.....4,260 psi (29.4 MPa)
Travel Circuit4,970 psi (34.3 MPa)

Hydraulic Cylinders

number of cylinders - bore x rod x stroke
Boom2 - 6.7" x 4.5" x 61.0"
(170 mm x 115 mm x 1,550 mm)
Arm1 - 7.5" x 5.1" x 71.7"
(190 mm x 130 mm x 1,820 mm)
Bucket1 - 6.5" x 4.5" x 50.6"
(165 mm x 115 mm x 1,285 mm)
Arm (Mass)1 - 7.9" x 5.5" x 71.7"
(200 mm x 140 mm x 1,820 mm)
Bucket (Mass)1 - 6.7" x 4.5" x 52.6"
(170 mm x 115 mm x 1,335 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 Swing12' 3" (3.73 m)
Swing Torque110,634 lbf-ft (150.0 kNm)

Undercarriage

Fixed or expandable carbody 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.

Track Rollers9 per Side
Track Link Pitch9.00" (229 mm)
Shoes50 per Side
Shoe Width.....35.5" (900 mm)
Ground Pressure
Fixed Undercarriage8.12 psi (0.056 MPa)
Expandable 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 Pull76,210 lbf (339 kN)
Gradeability.....70% (35°)

Attachment

Boom22' 11" (6.98 m)
Boom (Mass)21' 6" (6.55 m)

Available Arms (Standard) Digging Force

- 11' 1" (3.38 m)42,490 lbf (189 kN)
with Auto Power Boost...46,310 lbf (206 kN)
- 8' 4" (2.53 m)52,160 lbf (232 kN)
with Auto Power Boost...57,100 lbf (254 kN)
- 13' 2" (4.00 m)37,090 lbf (165 kN)
with Auto Power Boost...40,690 lbf (181 kN)
- 15' 11" (4.85 m)32,600 lbf (145 kN)
with Auto Power Boost...35,740 lbf (159 kN)

Bucket Digging Force.....55,530 lbf (247 kN)
with Auto Power Boost...60,700 lbf (270 kN)

Available Arms (Mass) Digging Force

- 8' 4" (2.53 m)57,330 lbf (255 kN)
with Auto Power Boost...62,720 lbf (279 kN)

Bucket Digging Force.....64,300 lbf (286 kN)
with Auto Power Boost...70,370 lbf (313 kN)

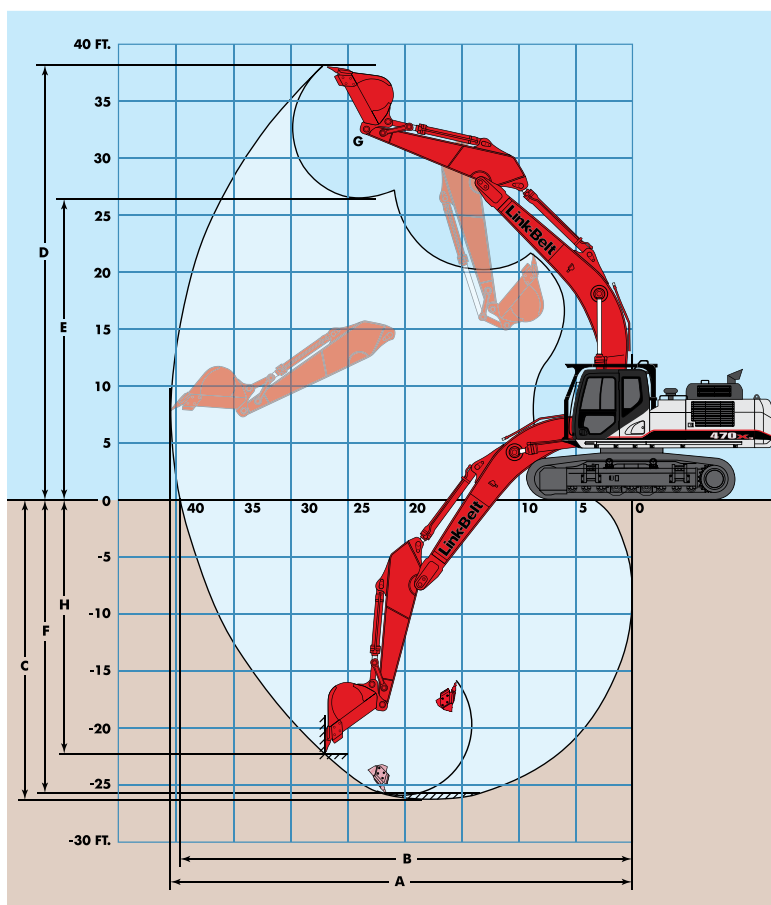
Lubricant and Coolant Capacity

Fuel Tank.....171.7 Gallons (650.0 Liters)
Hydraulic System ...121.5 Gallons (460.0 Liters)
Hydraulic Tank.....60.8 Gallons (230.0 Liters)
Final Drive (per side)4.0 Gallons (15.0 Liters)
Swing Drive2.8 Gallons (10.5 Liters)
Engine Oil.....9.5 Gallons (36.0 Liters)
Coolant System.....12.4 Gallons (47.0 Liters)

Operating Weight

Working weight with 35.5" (900 mm) shoes,
22' 11" (6.98 m) boom, 11' 1" (3.38 m) arm,
3,350 lb. (1 520 kg) bucket, 22,046 lbs
(10 000 kg) counterweight
Expandable sideframe...111,554 lbs. (50 600 kg)
fixed sideframe.....108,467 lbs. (49 200 kg)
Mass Excavator
Expandable sideframe...114,199 lbs. (51 800 kg)
fixed sideframe.....111,113 lbs. (50 400 kg)

Working Ranges

**470 X3 with fixed sideframe**

Machine equipped with 22' 11" (6.98 m) boom	11' 1" Arm (3.38 m)	8' 4" Arm (2.53 m)	13' 2" Arm (4.00 m)	15' 11" Arm (4.85 m)
A. Maximum reach	39' 4" (12.00 m)	36' 10" (11.23 m)	41' 2" (12.55 m)	44' 0" (13.40 m)
B. Maximum reach @ ground level	38' 7" (11.77 m)	36' 1" (10.99 m)	40' 5" (12.33 m)	43' 4" (13.20 m)
C. Maximum dig depth	25' 4" (7.72 m)	22' 6" (6.87 m)	27' 4" (8.34 m)	30' 2" (9.20 m)
D. Maximum dig height	36' 7" (11.14 m)	35' 6" (10.82 m)	37' 2" (11.34 m)	38' 11" (11.86 m)
E. Maximum dump height	25' 5" (7.74 m)	24' 4" (7.42 m)	26' 1" (7.94 m)	27' 7" (8.42 m)
F. Digging depth - 8' (2.44 m) level bottom	24' 10" (7.58 m)	21' 11" (6.69 m)	26' 11" (8.21 m)	29' 9" (9.08 m)
G. Bucket rotation	176°	176°	176°	176°
H. Maximum vertical wall depth	21' 7" (6.57 m)	18' 7" (5.67 m)	23' 6" (7.16 m)	27' 0" (8.22 m)

470 X3 with expandable sideframe

Machine equipped with 22' 11" (6.98 m) boom	11' 4" Arm (3.38 m)	8' 4" Arm (2.53 m)	13' 2" Arm (4.00 m)	15' 11" Arm (4.85 m)
A. Maximum reach	39' 4" (12.00 m)	36' 10" (11.23 m)	41' 2" (12.55 m)	44' 0" (13.40 m)
B. Maximum reach @ ground level	38' 6" (11.74 m)	35' 11" (10.95 m)	40' 4" (12.30 m)	43' 3" (13.17 m)
C. Maximum dig depth	24' 10" (7.57 m)	22' 1" (6.72 m)	26' 10" (8.19 m)	29' 8" (9.04 m)
D. Maximum dig height	37' 0" (11.29 m)	36' 0" (10.97 m)	37' 8" (11.49 m)	39' 5" (12.01 m)
E. Maximum dump height	25' 11" (7.89 m)	24' 10" (7.57 m)	26' 7" (8.09 m)	28' 1" (8.57 m)
F. Digging depth - 8' (2.44 m) level bottom	24' 5" (7.43 m)	21' 5" (6.54 m)	26' 5" (8.06 m)	29' 4" (8.93 m)
G. Bucket rotation	176°	176°	176°	176°
H. Maximum vertical wall depth	21' 1" (6.42 m)	18' 1" (5.52 m)	23' 0" (7.00 m)	26' 5" (8.06 m)

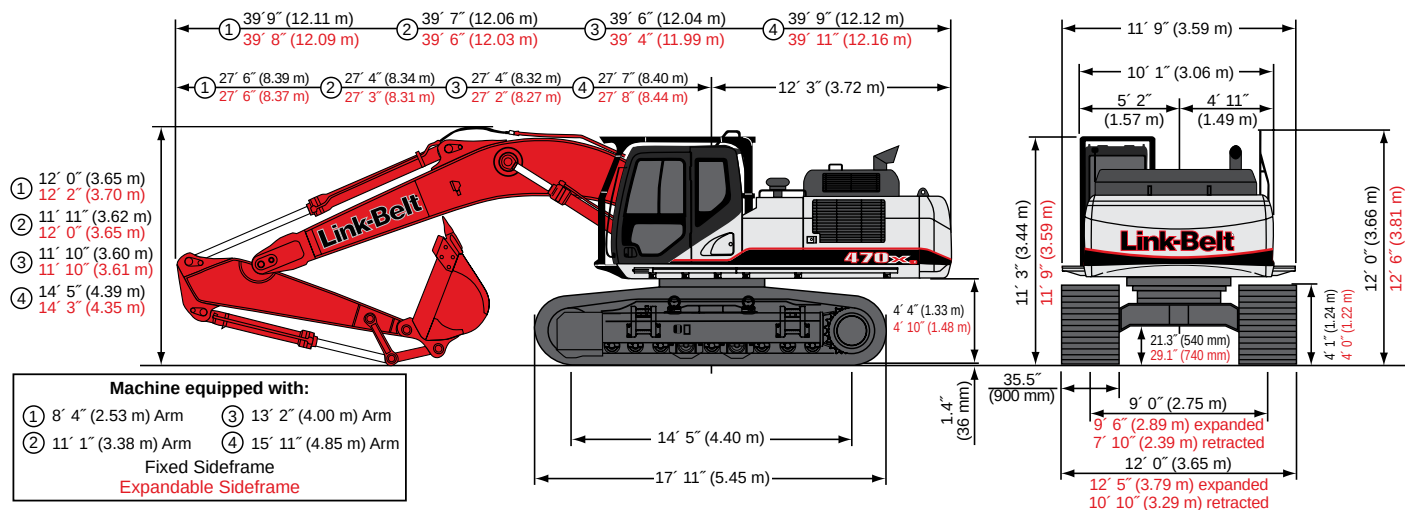
**470 X3 Mass excavator
with fixed sideframe**

Machine equipped with 21' 6" (6.55 m) boom	8' 4" Arm (2.53 m)
A. Maximum reach	35' 6" (10.81 m)
B. Maximum reach @ ground level	34' 8" (10.56 m)
C. Maximum dig depth	21' 4" (6.49 m)
D. Maximum dig height	34' 6" (10.52 m)
E. Maximum dump height	23' 7" (7.18 m)
F. Digging depth - 8' (2.44 m) level bottom	20' 9" (6.32 m)
G. Bucket rotation	161°
H. Maximum vertical wall depth	16' 2" (4.92 m)

**470 X3 Mass excavator
w/ expandable sideframe**

Machine equipped with 21' 6" (6.55 m) boom	8' 4" Arm (2.53 m)
A. Maximum reach	35' 6" (10.81 m)
B. Maximum reach @ ground level	34' 6" (10.52 m)
C. Maximum dig depth	20' 10" (6.34 m)
D. Maximum dig height	35' 0" (10.67 m)
E. Maximum dump height	24' 1" (7.34 m)
F. Digging depth - 8' (2.44 m) level bottom	20' 3" (6.16 m)
G. Bucket rotation	161°
H. Maximum vertical wall depth	15' 8" (4.77 m)

Travel Dimensions



Lifting Capacities - ISO Ratings

Radius of Load - 470 X3 with Fixed Sideframes																
11' 1" (3.38 m) Arm with 22' 11" (6.98 m) Boom and 3,195 lb. (1 450 kg) Bucket with Power-Boost Applied																
	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" lbs											12250*	12250*			10600*	10600*
(9.0 m) kg											6520*	6520*			4780*	4780*
+25' 0" lbs											18000*	17400			10150*	10150*
(7.5 m) kg											8210*	8130			4580*	4580*
+20' 0" lbs									21650*	21650*	19700*	17000	14100*	12650	10000*	10000*
(6.0 m) kg									9950*	9950*	9170*	7920	7220*	5920	4540*	4540*
+15' 0" lbs							29250*	29250*	24150*	22250	21100*	16350	18450*	12350	10200*	10200*
(4.5 m) kg							13570*	13570*	11150*	10340	9680*	7620	8570*	5770	4620*	4620*
+10' 0" lbs					45800*	45800*	34200*	29900	26900*	21100	22550*	15700	19450	12000	10600*	10350
(3.0 m) kg					21180*	21180*	15880*	13870	12440*	9790	10400*	7290	8980*	5590	4810*	4690
+5' 0" lbs					50950*	43250	37750*	28100	29050*	20050	23750*	15050	19150	11650	11250*	10250
(1.5 m) kg					23570*	20070	17460*	13050	13440*	9310	10970*	7000	8910	5420	5110*	4650
Ground lbs			20800*	20800*	50550*	41550	39000*	26950	30050*	19300	24050	14600	18900	11400	12350*	10600
Line kg			9130*	9130*	21880*	19260	18020*	12510	13900*	8960	11180	6780	8780	5300	5610*	4810
-5' 0" lbs	22400*	22400*	32600*	32600*	52450*	41850	38550*	26600	29800*	19000	23800*	14400			14050*	11450
(1.5 m) kg	10020*	10020*	14530*	14530*	24110*	19310	17810*	12350	13780*	8820	11040*	6690			6360*	5190
-10' 0" lbs	35550*	35550*	44400*	44400*	48700*	42300	36600*	26800	28350*	19100	21850*	14650			16800*	13100
(3.0 m) kg	16010*	16010*	19730*	19730*	22480*	19700	16930*	12450	13140*	8880	10220*	6790			7580*	5910
-15' 0" lbs			56600*	56600*	41950*	41900*	31950*	27450	24150*	19750					17750*	16150
(4.5 m) kg			26180*	26180*	19460*	19460*	14880*	12730	11360*	9140					8040*	7240
-20' 0" lbs					30550*	30550*	22600*	22600*							15600*	15600*
(6.0 m) kg					14450*	14450*	10860*	10860*							7180*	7180*

Radius of Load - 470 X3 with Fixed Sideframes																
8' 4" (2.53 m) Arm with 22' 11" (6.98 m) Boom and 3,350 lb. (1 520 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)		Cap at Max. Reach			
	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side		
+30' 0" lbs							18850*	18850*					15400*	15400*		
(9.0 m) kg							7700*	7700*					6940*	6940*		
+25' 0" lbs							21950*	21950*	19250*	16900			14650*	14650*		
(7.5 m) kg							10130*	10130*	9220*	7910			6630*	6630*		
+20' 0" lbs					24700*	24700*	24100*	22750	21300*	16600			14450*	13550		
(6.0 m) kg					12100*	12100*	11060*	10560*	9860*	7740			6560*	6110		
+15' 0" lbs			41300*	41300*	32250*	30850*	26050*	21750	22800*	16050			14700*	12300		
(4.5 m) kg			19240*	19240*	14980*	14300	12040*	10090	10480*	7480			6660*	5550		
+10' 0" lbs			49200*	44500	36650*	29100	28400*	20700	23650*	15500	17750*	11900	15200*	11700		
(3.0 m) kg			22870*	20570	17000*	13480	13140*	9600	10900*	7200	9040	5550	6900*	5300		
+5' 0" lbs			40200*	40200*	39000*	27600	30000*	19800	24350*	14950	16550*	11650	16150*	11650		
(1.5 m) kg			16910*	16910*	18030*	12800	13860*	9200	11270*	6960	8910	5430	7320*	5280		
Ground lbs			46150*	41000	39050*	26750	30250*	19250	24100	14650			17600*	12100		
Line kg			19990*	19000	18040*	12430	13980*	8930	11190	6800			7990*	5500		
-5' 0" lbs	36550*	36550*	50200*	42000	37950*	26800	29500*	19150	23100*	14700			20000*	13300		
(1.5 m) kg	16460*	16460*	23110*	19420	17520*	12450	13650*	8900	10760*	6810			9070*	6020		
-10' 0" lbs	52000*	52000*	44800*	42500	34600*	27250	26700*	19550					19250*	15600		
(3.0 m) kg	23070*	23070*	20680*	19760	16030*	12650	12430*	9060					8770*	7030		
-15' 0" lbs	45050*	45050*	36050*	36050*	27850*	27400*							17650*	17650*		
(4.5 m) kg	20910*	20910*	16770*	16770*	13070*	12730							8030*	8030*		

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."

Lifting Capacities - ISO Ratings

Radius of Load - 470 X3 with Fixed Sideframes															
13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,017 lb. (1 368 kg) Bucket with Power-Boost Applied															
	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
+30' 0" (9.0 m)	lbs										12050*	12050*			8250*
	kg										5520*	5520*			3710*
+25' 0" (7.5 m)	lbs										15550*	15550*	10500*	10500*	7900*
	kg										7220*	7220*	5490*	5490*	3570*
+20' 0" (6.0 m)	lbs										18200*	17550*	14700*	13150*	7800*
	kg										8590*	8150*	7060*	6140*	3540*
+15' 0" (4.5 m)	lbs						22700*	22700*	22850*	22650*	20100*	16850*	17600*	12750*	7950*
	kg						11140*	11140*	10560*	10490*	9230*	7850*	8260*	5960*	3600*
+10' 0" (3.0 m)	lbs		40200*	40200*	45100*	45100*	32450*	30700*	25900*	21700*	21900*	16100*	19050*	12350*	8250*
	kg		15800*	15800*	20920*	20920*	15040*	14240*	11970*	10080*	10100*	7500*	8780*	5750*	3760*
+5' 0" (1.5 m)	lbs		17800*	17800*	50300*	44600*	36700*	28850*	28450*	20550*	23400*	15400*	19450*	11900*	8800*
	kg		7650*	7650*	23100*	20710*	16970*	13400*	13140*	9540*	10800*	7170*	9050*	5550*	4010*
Ground Line	lbs		23300*	23300*	52800*	42350*	38850*	27450*	29950*	19650*	24250*	14850*	19100*	11600*	9700*
	kg		10300*	10300*	24170*	19690*	17960*	12740*	13840*	9130*	11210*	6910*	8880*	5390*	4390*
-5' 0" (1.5 m)	lbs	21800*	21800*	31200*	31200*	53400*	41800*	38950*	26750*	30150*	19150*	23950*	14500*	18950*	11000*
	kg	9770*	9770*	13910*	13910*	24560*	19430*	17990*	12420*	13930*	8890*	11140*	6750*	8800*	5320*
-10' 0" (3.0 m)	lbs	31750*	31750*	40800*	40800*	51000*	42100*	37800*	26750*	29300*	19150*	23150*	14550*		13100*
	kg	14280*	14280*	18120*	18120*	23560*	19590*	17480*	12430*	13570*	8880*	10760*	6760*		5890*
-15' 0" (4.5 m)	lbs	40800*	40800*	55400*	55400*	45600*	42500*	34400*	27250*	26450*	19500*	19450*	15050*		16750*
	kg	18220*	18220*	24990*	24990*	21140*	19760*	15970*	12640*	12340*	9050*	9270*	6990*		7510*
-20' 0" (6.0 m)	lbs			49100*	49100*	36300*	36300*	27400*	27250*	19300*	19300*				16550*
	kg			23040*	23040*	17030*	17030*	12920*	12670*	9390*	9140*				7570*

Radius of Load - 470 X3 with Fixed Sideframes															
15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,776 lb. (1 259 kg) Bucket with Power-Boost Applied															
	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
+35' 0" (10.5 m)	lbs														7500*
	kg														3360*
+30' 0" (9.0 m)	lbs												9300*	9300*	6900*
	kg												4730*	4730*	3100*
+25' 0" (7.5 m)	lbs												12250*	12250*	6600*
	kg												5750*	5750*	2980*
+20' 0" (6.0 m)	lbs										16600*	16600*	13950*	13450*	8750*
	kg										7690*	7690*	6460*	6290*	4610*
+15' 0" (4.5 m)	lbs										18150*	17200*	15900*	13000*	11300*
	kg										8340*	7990*	7380*	6070*	5600*
+10' 0" (3.0 m)	lbs				38750*	38750*	29200*	29200*	23750*	22250*	20300*	16400*	17800*	12500*	12900*
	kg				17790*	17790*	13520*	13520*	10980*	10320*	9370*	7630*	8210*	5820*	6330*
+5' 0" (1.5 m)	lbs		26750*	26750*	48050*	45650*	34150*	29550*	26750*	20900*	22200*	15550*	19000*	11950*	13650*
	kg		11440*	11440*	22290*	21200*	15800*	13710*	12360*	9700*	10240*	7240*	8770*	5570*	6780*
Ground Line	lbs		23650*	23650*	51050*	42850*	37450*	27700*	28900*	19750*	23500*	14850*	19050*	11500*	12800*
	kg		10450*	10450*	23430*	19930*	17300*	12870*	13340*	9180*	10850*	6910*	8860*	5360*	6620*
-5' 0" (1.5 m)	lbs	18750*	18750*	28600*	28600*	52800*	41350*	38650*	26550*	29800*	19000*	23850*	14350*	18700*	11200*
	kg	8400*	8400*	12720*	12720*	24290*	19210*	17840*	12330*	13770*	8830*	11080*	6680*	8710*	5230*
-10' 0" (3.0 m)	lbs	26750*	26750*	36000*	36000*	52250*	41250*	38150*	26250*	29450*	18750*	23550*	14200*	18650*	11200*
	kg	12020*	12020*	15990*	15990*	24140*	19190*	17620*	12210*	13620*	8710*	10910*	6600*	8680*	5210*
-15' 0" (4.5 m)	lbs	34950*	34950*	46400*	46400*	48700*	41700*	36100*	26500*	27900*	18900*	21750*	14450*		
	kg	15480*	15480*	20470*	20470*	22540*	19410*	16730*	12310*	12960*	8780*	10180*	6690*		
-20' 0" (6.0 m)	lbs	44500*	44500*	59050*	59050*	41800*	41500*	31350*	27150*	23750*	19550*	16100*	14800*		
	kg	19830*	19830*	26590*	26590*	19490*	19320*	14660*	12620*	11180*	9060*	8010*	6920*		
-25' 0" (7.5 m)	lbs			40750*	40750*	29900*	29900*	21800*	21800*						
	kg			19500*	19500*	14300*	14300*	10570*	10570*						

Lifting Capacities - ISO Ratings

Radius of Load - 470 X3 with Expandable Sideframes																	
13' 2" (4.00 m) Arm with 22' 11" (6.98 m) Boom and 3,017 lb. (1 368 kg) Bucket with Power-Boost Applied																	
		 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		
+30' 0"	lbs											12400*	12400*			8200*	8200*
(9.0 m)	kg											5720*	5720*			3700*	3700*
+25' 0"	lbs											16150*	16150*	11100*	11100*	7850*	7850*
(7.5 m)	kg											7340*	7340*	5690*	5690*	3560*	3560*
+20' 0"	lbs											18550*	18500*	15000*	14250*	7800*	7800*
(6.0 m)	kg											8720*	8570	7180*	6640	3540*	3540*
+15' 0"	lbs							27650*	27650*	23150*	23150*	20250*	18200	17850*	13850	8000*	8000*
(4.5 m)	kg							12840*	12840*	10700*	10700*	9290*	8450	8310*	6460	3610*	3610*
+10' 0"	lbs			33300*	33300*	46050*	46050*	32950*	32600	26150*	23350	22050*	17450	19150*	13400	8300*	8300*
(3.0 m)	kg			13230*	13230*	21310*	21310*	15270*	15130*	12100*	10850	10180*	8100	8820*	6250	3770*	3770*
+5' 0"	lbs			17900*	17900*	50550*	48450	37000*	31200	28650*	22200	23500*	16700	19950	13000	8900*	8900*
(1.5 m)	kg			7730*	7730*	23220*	22500	17120*	14480	13240*	10320	10860*	7780	9210*	6050	4040*	4040*
Ground Line	lbs			24100*	24100*	53000*	46250	38950*	29800	30050*	21350	24300*	16200	19650	12700	9800*	9800*
	kg			10680*	10680*	24000*	21470	18010*	13850	13880*	9920	11230*	7520	9150	5900	4440*	4440*
-5' 0"	lbs	22900*	22900*	32050*	32050*	53350*	45850	38900*	29200	30100*	20900	24150*	15900	19550	12550	11150*	11150*
(1.5 m)	kg	10270*	10270*	14280*	14280*	24540*	21210	17970*	13560	13910*	9700	11180*	7380	9080	5840	5050*	5050*
-10' 0"	lbs	32500*	32500*	41850*	41850*	50600*	46200	37600*	29250	29150*	20900	22950*	15950			13350*	13200
(3.0 m)	kg	14600*	14600*	18620*	18620*	23380*	21510	17380*	13590	13490*	9700	10670*	7410			6010*	5970
-15' 0"	lbs	41850*	41850*	55900*	55900*	44900*	44900*	33900*	29750	26000*	21350	18800*	16450			17350*	15950
(4.5 m)	kg	18680*	18680*	25210*	25210*	20820*	20820*	15740*	13810	12140*	9890	9000*	7630			7740*	7150
-20' 0"	lbs			47250*	47250*	35100*	35100*	26400*	26400*	18050*	18050*					16350*	16350*
(6.0 m)	kg			22210*	22210*	16490*	16490*	12490*	12490*	8890*	8890*					7450*	7450*

Radius of Load - 470 X3 with Expandable Sideframes																			
15' 11" (4.85 m) Arm with 22' 11" (6.98 m) Boom and 2,776 lb. (1 259 kg) Bucket with Power-Boost Applied																			
																			
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+35' 0"	lbs																	7400*	7400*
	(10.5 m) kg																	3330*	3330*
+30' 0"	lbs													9750*	9750*			6850*	6850*
	(9.0 m) kg													4880*	4880*			3090*	3090*
+25' 0"	lbs													12400*	12400*			6550*	6550*
	(7.5 m) kg													5820*	5820*			2970*	2970*
+20' 0"	lbs											16850*	16850*	14100*	14100*	9100*	9100*	6500*	6500*
	(6.0 m) kg											7750*	7750*	6540*	6540*	4730*	4730*	2940*	2940*
+15' 0"	lbs									18550*	18550*	18300*	18100*	16150*	14100*	11500*	10850*	6600*	6600*
	(4.5 m) kg									8590*	8590*	8410*	8380*	7490*	6570*	5680*	5080*	2990*	2990*
+10' 0"	lbs			24850*	24850*	39750*	39750*	29700*	29700*	24100*	23650*	20500*	17700*	17950*	13550*	13000*	10550*	6850*	6850*
	(3.0 m) kg			13350*	13350*	18260*	18260*	13770*	13770*	11130*	10960*	9480*	8230*	8270*	6310*	6390*	4930*	3110*	3110*
+5' 0"	lbs			25350*	25350*	48750*	48700*	34550*	31850*	27000*	22550*	22350*	16850*	19100*	13050*	13650*	10250*	7250*	7250*
	(1.5 m) kg			10890*	10890*	22510*	22510*	16000*	14790*	12480*	10470*	10310*	7840*	8810*	6070*	6800*	4790*	3300*	3300*
Ground Line	lbs	11350*	11350*	24000*	24000*	36900*	46750*	37650*	30050*	29050*	21450*	23600*	16150*	19600*	12600*	12550*	10050*	7950*	7950*
	kg	5100*	5100*	10620*	10620*	23540*	21740*	17400*	13960*	13410*	9960*	10900*	7520*	9110*	5860*	6540*	4680*	3600*	3600*
-5' 0"	lbs	19600*	19600*	29250*	29250*	52900*	45250*	38650*	28950*	29800*	20700*	23950*	15700*	19300*	12300*			8900*	8900*
	(1.5 m) kg	8790*	8790*	13010*	13010*	24320*	21060*	17840*	13450*	13780*	9620*	11080*	7300*	8980*	5730*			4040*	4040*
-10' 0"	lbs	27400*	27400*	36900*	36900*	52000*	45300*	38000*	28750*	29350*	20500*	23450*	15550*	18750*	12350*			10450*	10450*
	(3.0 m) kg	12310*	12310*	16390*	16390*	24030*	21090*	17570*	13350*	13590*	9520*	10870*	7230*	8760*	5730*			4710*	4710*
-15' 0"	lbs	36300*	36300*	48100*	48100*	48150*	45600*	35800*	29000*	27650*	20700*	21450*	15850*					12950*	12950*
	(4.5 m) kg	16140*	16140*	21220*	21220*	22300*	21210*	16590*	13470*	12840*	9610*	10050*	7350*					5810*	5810*
-20' 0"	lbs	45650*	45650*	57700*	57700*	40900*	40900*	30650*	29200*	23100*	21050							15650*	15650*
	(6.0 m) kg	20280*	20280*	26830*	26830*	19090*	19090*	14360*	13570	10910*	9800							7130*	7130*
-25' 0"	lbs					28300*	28300*	20350*	20350*									13750*	13750*
	(7.5 m) kg					13600*	13600*	9970*	9970*									6340*	6340*

Lifting Capacities - 470 X3 Mass Excavator with Fixed Sideframes

Radius of Load													
8' 4" (2.53 m) Arm with 22' 11" (6.98 m) Boom and 5,291 lb. (2 400 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)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+30' 0"	lbs							18950*	18950*			13450*	13450*
(9.0 m)	kg							7840*	7840*			6040*	6040*
+25' 0"	lbs							20700*	20700*	12850*	12850*	12650*	12650*
(7.5 m)	kg							9480*	9480*	7780*	7290	5710*	5710*
+20' 0"	lbs					24500*	24500*	22750*	21800	20000*	15400	12300*	12300*
(6.0 m)	kg					11480*	11480*	10440*	10110*	9180*	7210	5580*	5580*
+15' 0"	lbs			38250*	38250*	30650*	30000	24850*	20900	21200*	14950	12400*	11550
(4.5 m)	kg			17730*	17730*	14220*	13940	11490*	9730	9810*	6970	5620*	5210
+10' 0"	lbs			45850*	45400	34950*	28700	27100*	19800	22350*	14350	12850*	10900
(3.0 m)	kg			21250*	21050	16220*	13320	12530*	9220	10320*	6690	5840*	4940
+5' 0"	lbs			51350*	42050	37450*	27000	28550*	18850	22850*	13800	13750*	10850
(1.5 m)	kg			23720*	19530	17340*	12530	13210*	8780	10570*	6440	6240*	4920
Ground	lbs	29700*	29700*	52250*	40800	37650*	25900	28750*	18200	22750*	13450	15250*	11400
Line	kg	13090*	13090*	24080*	18980	17390*	12040	13290*	8460	10540*	6260	6910*	5160
-5' 0"	lbs	43100*	43100*	49650*	41350	36600*	25750	27900*	18000	21000*	13500	17750*	12700
(1.5 m)	kg	19170*	19170*	22900*	19280	16930*	11980	12940*	8370	9860*	6270	8020*	5740
-10' 0"	lbs	59400*	59400*	44050*	41450*	33100*	26200	24600*	18500			18000*	15250
(3.0 m)	kg	27270*	27270*	20370*	19290	15350*	12180	11520*	8580			8170*	6860
-15' 0"	lbs	44550*	44550*	34250*	34250*	25300*	25300*					15850*	15850*
(4.5 m)	kg	20780*	20780*	16020*	16020*	11970*	11970*					7300*	7300*

Lifting Capacities - 470 X3 Mass Excavator with Expandable Sideframes

Radius of Load															
8' 4" (2.53 m) Arm with 22' 11" (6.98 m) Boom and 5,291 lb. (2 400 kg) Bucket with Power-Boost Applied															
		 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
+30' 0"	lbs									20100*	20100*			13350*	13350*
	kg									8140*	8140*			6000*	6000*
+25' 0"	lbs									20800*	20800*	14850*	14850*	12600*	12600*
	kg									9540*	9540*	8360*	7850*	5700*	5700*
+20' 0"	lbs							26550*	26550*	22900*	22850*	20100*	16550	12300*	12300*
	kg							12300*	12300*	10550*	10540	9240*	7740	5580*	5580*
+15' 0"	lbs					39000*	39000*	31100*	31100*	25100*	22350	21350*	16050	12450*	12450
	kg					18070*	18070*	14440*	14440*	11600*	10400	9870*	7490	5650*	5620
+10' 0"	lbs					46500*	46500*	35300*	30700	27300*	21250	22450*	15450	12900*	11850
	kg					21580*	21580*	16370*	14250	12630*	9880	10360*	7210	5870*	5360
+5' 0"	lbs					51650*	45450	37550*	29000	28650*	20300	22850*	14950	13900*	11850
	kg					23820*	21120	17380*	13470	13250*	9450	10580*	6960	6300*	5380
Ground Line	lbs			30750*	30750*	52100*	44350	37600*	27950	28700*	19650	22700*	14600	15450*	12500
	kg			13850*	13850*	24030*	20610	17380*	13010	13280*	9140	10520*	6790	7010*	5670
-5' 0"	lbs	32050*	32050*	44650*	44650*	49250*	44950	36400*	27900	27750*	19500	20650*	14700	18100*	14000
	kg	13600*	13600*	19880*	19880*	22700*	20920	16830*	12980	12860*	9080	9720*	6840	8170*	6330
-10' 0"	lbs			58250*	58250*	43300*	43300*	32550*	28350	24050*	20000			17850*	16900
	kg			26850*	26850*	20020*	20020*	15110*	13180	11280*	9290			8150*	7610
-15' 0"	lbs			42700*	42700*	32950*	32950*	24150*	24150*					15600*	15600*
	kg			19930*	19930*	15440*	15440*	11460*	11460*					7150*	7150*

Standard and Optional Equipment

CAB		ENGINE		AUXILIARY HYDRAULIC OPTIONS		ATTACHMENT	
12V Power Outlet	✓	Sun Visor	•	Auxiliary Tool Settings - Memory	✓	Fuel Tank Belly Pan	✓
24V Lighter	✓	Travel Alarm with Cancel Switch	✓	Auxiliary Valve	✓	Hand Rail - RH Access	✓
AM/FM Sound System	✓	Trip Meter - Digital	✓	Boom Regeneration	✓	Lifting Eyes for Counterweight	✓
Anti-Theft Device	✓	Wiper & Washer	✓	Boom Speed Assistance - 2 Pump Flow	✓	Lockable Fuel Cap and Service Doors	✓
Ashtray	✓	Wiper Switch on RH Joystick	✓	Bucket Curl Assist	✓	Rubber Bumper Guards	•
Auxiliary Switches on Control Lever	✓	ENGINE		Control Levers Pre-Wired for Auxiliary	✓	Tool Box - Lockable	✓
Cab Exterior Light Harness	✓	Air Filter - Double Element	✓	Control Pattern Changer (2 way)	✓	Turntable Tub	✓
Cab Filter - External	✓	Air Filter Restriction Indicator	✓	Fire Wall	✓	Work Lights - Boom and Tool Box	✓
Cab Handrails	✓	Air Pre-Cleaner	✓	Free Swing	•	ATTACHMENT	
Cab Interior Light	✓	Auto Warm-Up System	✓	Holding Valve - Arm	✓	8' 4" (2.53 m) Short Arm	•
Cab Lights	✓	Auto-Idle	✓	Holding Valve - Boom	✓	11' 1" (3.38 m) Arm	•
Cab Iso-Mounts	✓	Auto-Idle Engine Shutdown	✓	Hose Burst Check Valve	✓	13' 2" (4.00 m) Long Arm	•
Clear Roof Window	✓	CEGR - Cooled Exhaust Gas Recirculation	✓	Hydraulic Filter Restriction Indicator	✓	15' 11" (4.85 m) Long Arm	•
Climate Control A/C and Heater	✓	Cooling Fan (reversible)	✓	Long Life Hydraulic Oil - 5,000 Hour	✓	22' 11" (6.98 m) Main Boom Section	•
Console Tilt	✓	Diesel Oxidation Catalyst (DOC)	✓	Neutral Pump De-stroke	✓	21' 6" (6.55 m) Mass Excavator	•
Cup Holder	✓	Diesel Particulate Filter (DPF)	✓	Oil Cooler	✓	Boom Section	•
Defroster	✓	Drain for Fuel Tank	✓	Power Boost	✓	Attachment Reinforcement Plate	•
Digital Clock	✓	Dual Remote Fuel Filters & Water Separation	✓	Pressure Reading on Monitor	✓	(boom+arm)	•
ECO Gauge	✓	EGR Coolers	✓	Pump Stand-By Pressure	✓	Auxiliary Pipe Brackets	✓
Emergency Exit and Hammer	✓	Emergency Engine Stop	✓	Single Pedal Travel	✓	Boom Work Light	✓
Face Vent	✓	Engine Idle System	✓	Straight Travel Circuit	✓	Bucket Anti-Clatter Device	✓
Floor Mat	✓	Remote Engine Oil Drain	✓	AUXILIARY HYDRAULIC OPTIONS		Chrome pins	✓
Front Guard (mesh)	•	Engine Protection Feature	✓	Single-Acting Aux. w/ Switch Activation	•	Easy Maintenance System	✓
Front Guard (OPG 1,2)	•	External Fuel Gauge	✓	Single-Acting Aux. w/ Pedal Activation	•	HD Bucket Link	✓
Front Window One-Touch Lock	✓	Fan Housing	✓	Thumb Auxiliary w/ Switch Activation	•	Quick Couplers	•
Gate Lock Hydraulic Activation	✓	Fuel Filter Restriction Indicator	✓	Multi-Function Aux. w/ Switch Activation	•	Remote Lube Bank	✓
Horn	✓	Fuel Management System	✓	Secondary Aux. w/ Switch Activation	•	Teardrop pin retention keepers	✓
Hot & Cool Box	✓	Fuel Shut-Off Valve	✓	Combination Aux. w/ Switch Activation	•	Thumbs	•
Hour Meter - Digital	✓	Fuel Usage Monitor	✓	UNDERCARRIAGE		PARTS KIT	
KAB 815 Suspension Seat	✓	Glow Plug Pre-Heat	✓	750 mm shoes (29.5 in) 3-Bar Steel	•	Bucket Anti-Clatter Device	✓
KAB 855 Air-Suspension	•	Idle-Start	✓	900 mm shoes (35.5 in) 3-Bar Steel	•	Engine Manual	✓
LED Color Monitor	✓	Intercooler	✓	Steps	✓	Engine Oil Filter	✓
Magazine Rack	✓	Neutral Start	✓	Carbody Belly Pan (swivel guard)	✓	Filter Wrench	✓
Maintenance Interval Reminders	✓	One-Touch Idle	✓	Track Guide (double)	✓	Fuel Filters	✓
MP3 Auxiliary Input Jack	✓	Passive Emissions-Regeneration	✓	Track Guide (full length)	•	Grease Gun	✓
On-Board Diagnostic System	✓	Radiator / Oil Cooler Protective Screen	✓	Long Undercarriage	✓	Green Plug Drain Hose for Engine	✓
One-Piece Right Window	✓	Regeneration Gauge on Monitor	✓	Sealed Link Chain	✓	Oil Drain	✓
Radio Mute Switch	✓	Remote Oil Filter	✓	Strutted Track Chain	✓	Hydraulic Return Filter	✓
Rear View Camera	✓	HYDRAULICS		UPPERSTRUCTURE		Ignition Keys	✓
Rear View Mirrors	✓	Arm Regeneration	✓	Belly Pans	✓	Pilot Circuit Hydraulic Filter	✓
Roof Sun Shade	✓	Arm Speed Assistance - 2 Pump Flow	✓	Catwalks	✓	Rearview Mirrors	✓
Safety Glass Windows	✓	Attachment Cushion Valve	✓	Center Cover (Over Main CV)	✓	Work Light for Boom	✓
Seat Recline	✓	Auto Swing Priority	✓	Counterweight Removal System	•		
Selectable Monitor Languages	•	Auxiliary Flow Control	✓				
Side View Camera	•						
Small Storage	✓						

Bucket Sizes

470 X3 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	Arm 11' 1" 3.38 m	Arm 13' 2" 2.94 m	Arm 15' 11" 4.85 m
STDP Standard duty plate	1.76	1.35	36	914	2,906	1,318	4	H	H	H
	2.14	1.64	42	1,067	3,206	1,454	5	H	H	H
	2.52	1.93	48	1,219	3,405	1,545	5	H	H	M
	2.91	2.22	54	1,372	3,705	1,681	6	H	M	L
	3.29	2.52	60	1,524	3,903	1,770	6	H	M	L
HDP Heavy duty plate	4.05	3.10	66	1,676	4,698	2,131	7	M	L	N/A
	1.73	1.32	36	914	3,507	1,591	4	H	H	H
	2.10	1.61	42	1,067	3,848	1,745	5	H	H	H
	2.48	1.90	48	1,219	4,108	1,863	5	H	H	M
	2.85	2.18	54	1,372	4,448	2,018	6	H	M	M
XDP Extreme duty plate	3.24	2.48	60	1,524	4,707	2,135	6	H	M	L
	1.37	1.05	30	762	3,469	1,574	3	H	H	H
	1.73	1.32	36	914	3,838	1,741	4	H	H	H
	2.1	1.61	42	1,067	4,144	1,880	4	H	H	H
	2.48	1.90	48	1,219	4,485	2,034	5	H	H	H
Power Buckets	1.64	1.25	36	914	5,460	2,477	4	H	H	H
	1.97	1.51	42	1,067	5,829	2,644	5	H	H	M
	2.31	1.77	48	1,219	6,120	2,776	5	H	H	M
	2.65	2.03	54	1,372	6,489	2,943	6	H	M	L
	2.99	2.29	60	1,524	6,780	3,075	6	M	L	N/A

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

470 X3 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	Arm 11' 1" 3.38 m	Arm 13' 2" 2.94 m	Arm 15' 11" 4.85 m
STDP Standard duty plate	1.76	1.35	36	914	2,906	1,318	4	H	H	H
	2.14	1.64	42	1,067	3,206	1,454	5	H	H	H
	2.52	1.93	48	1,219	3,405	1,545	5	H	H	H
	2.91	2.22	54	1,372	3,705	1,681	6	H	H	M
	3.29	2.52	60	1,524	3,903	1,770	6	H	M	L
HDP Heavy duty plate	4.05	3.10	66	1,676	4,698	2,131	7	M	L	N/A
	1.73	1.32	36	914	3,507	1,591	4	H	H	H
	2.10	1.61	42	1,067	3,848	1,745	5	H	H	H
	2.48	1.90	48	1,219	4,108	1,863	5	H	H	M
	2.85	2.18	54	1,372	4,448	2,018	6	H	H	M
XDP Extreme duty plate	3.24	2.48	60	1,524	4,707	2,135	6	H	M	L
	1.37	1.05	30	762	3,469	1,574	3	H	H	H
	1.73	1.32	36	914	3,838	1,741	4	H	H	H
	2.1	1.61	42	1,067	4,144	1,880	4	H	H	H
	2.48	1.90	48	1,219	4,485	2,034	5	H	H	H
Power Buckets	1.64	1.25	36	914	5,460	2,477	4	H	H	H
	1.97	1.51	42	1,067	5,829	2,644	5	H	H	H
	2.31	1.77	48	1,219	6,120	2,776	5	H	H	M
	2.65	2.03	54	1,372	6,489	2,943	6	H	H	M
	2.99	2.29	60	1,524	6,780	3,075	6	H	M	L

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

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