Link-Belt
EXCAVATORS • FORESTRY
DEMOLITION • MATERIAL HANDLING

470X3 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

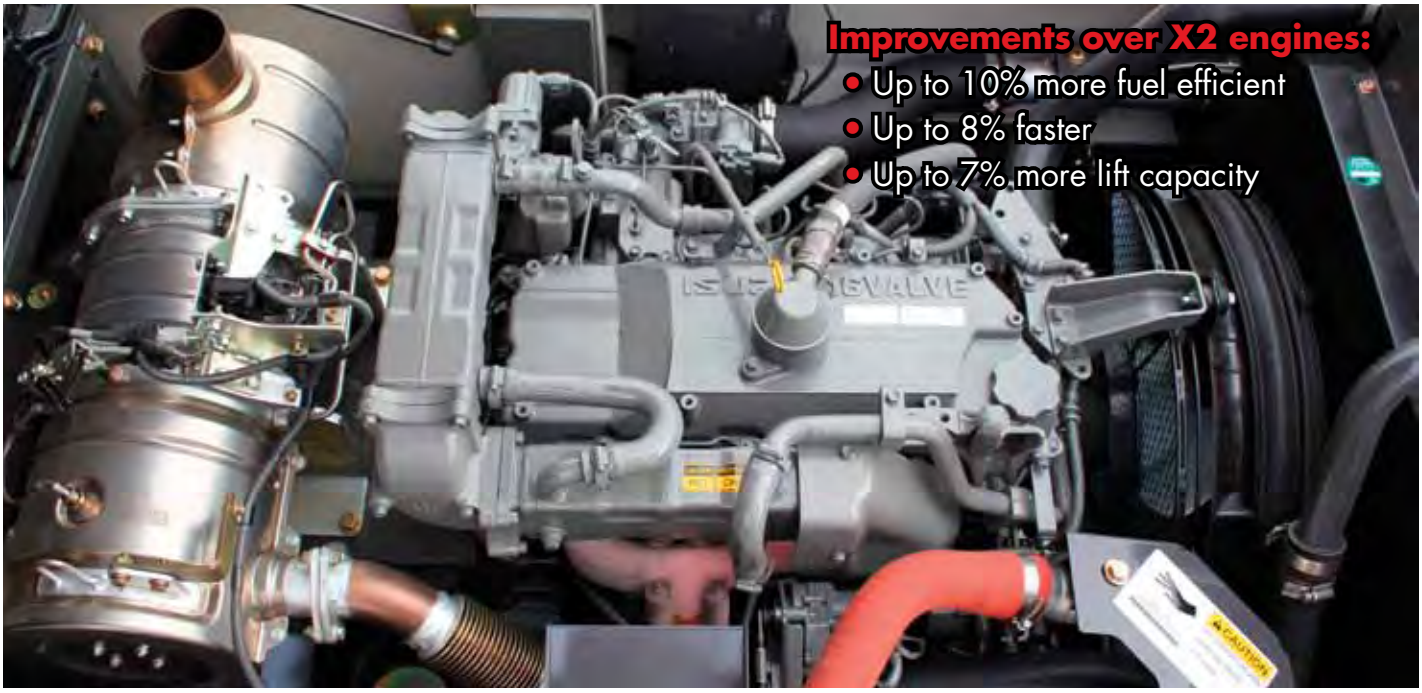
Monitor

- 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



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

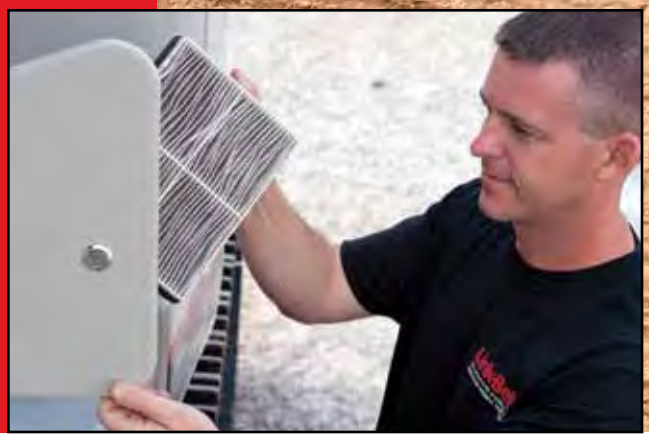
Simple

- 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.

LBX Warranty CERTIFIED PRODUCT SUPPORT

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

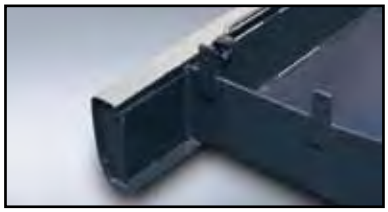
- All booms and arms are ultrasound tested at the factory
- X-Pattern carbody made with high tensile strength steel
- Turntable bearing tub extends through the carbody and is welded on top and bottom
- Factory standard belly pan guard
- D-channel sideframes provide excellent impact resistance
- Cab is 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

Options

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

X-Pattern carbody

Turntable bearing tub



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 lbf-ft (1,435 Nm) @ 1,500 rpm
Starter .....24V-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 Rating ..... 19,840 BTU/h
Heater Rating .....21,030 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 Output .....2 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 Boost ..... 4,970 psi (34.3 MPa)
Boom Down ..... 3,550 psi (24.5 MPa)
Swing Circuit..... 4,260 psi (29.4 MPa)
Travel Circuit ..... 4,970 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 71.7"
(190 mm x 130 mm x 1,820 mm)
Bucket ..... 1 - 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 Swing .....12' 3" (3.73 m)
Swing Torque ..... 110,634 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 Rollers .....9 per Side
Track Link Pitch .....9.00" (229 mm)
Shoes ..... 50 per Side
Shoe Width.....35.5" (900 mm)
Ground Pressure
Fixed Undercarriage ..... 8.12 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 Pull .....76,210 lbf (339 kN)
Gradeability..... 70% (35°)

Attachment

Boom .....22' 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)

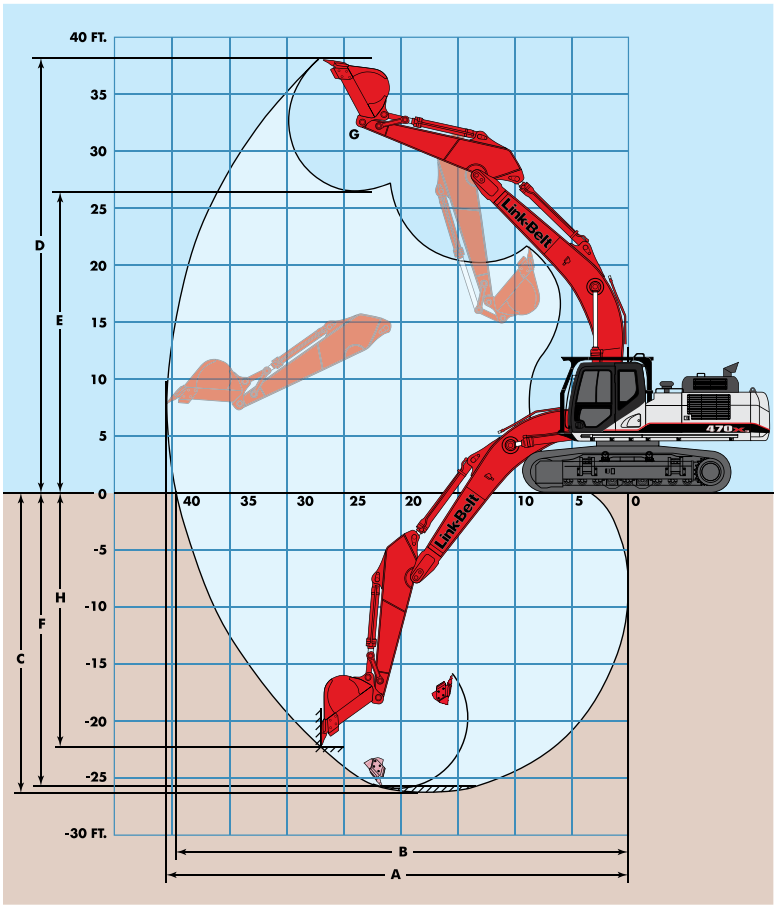
Lubricant and Coolant Capacity

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 Drive .....2.8 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



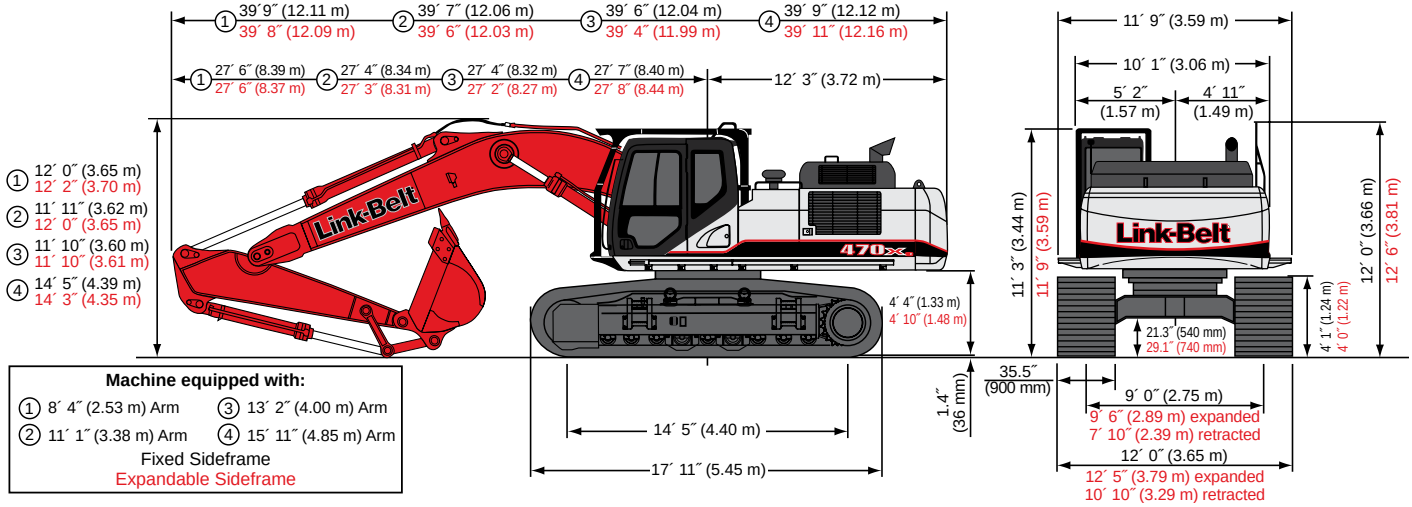
470 X3 with fixed sideframe				
Machine equipped with 22´ 11˝ (6.98 m) boom	11´ 1˝ Arm (3.38 m)	8´ 4˝ Arm (2.53 m)	13´ 2˝ Arm (4.00 m)	15´ 11˝ Arm (4.85 m)
A. Maximum reach	39´ 4˝ (12.00 m)	36´ 10˝ (11.23 m)	41´ 2˝ (12.55 m)	44´ 0˝ (13.40 m)
B. Maximum reach @ ground level	38´ 7˝ (11.77 m)	36´ 1˝ (10.99 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´ 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´ 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

1. Lifting capacities shown should not be exceeded. Weight of all lifting accessories must be deducted from the above lifting capacities.
2. 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.
3. 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.
4. Least stable position is over the side.
5. Operator should be fully acquainted with the Operator's Manual & Operating Safety Booklet, furnished by LBX before operating the machine.
6. Capacities apply only to the machine as originally manufactured and normally equipped by LBX Company, LLC.
7. 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	Side
+30´ 0˝	**lbs**											12050*	12050*			**8250***	**8250***
(9.0 m)	kg											5520*	5520*			3710*	3710*
+25´ 0˝	**lbs**											15550*	15550*	10500*	10500*	**7900***	**7900***
(7.5 m)	kg											7220*	7220*	5490*	5490*	3570*	3570*
+20´ 0˝	**lbs**											**18200***	17550	**14700***	13150	**7800***	**7800***
(6.0 m)	kg											8590*	8150	7060*	6140	3540*	3540*
+15´ 0˝	**lbs**							22700*	22700*	**22850***	**22650***	20100*	**16850**	**17600***	12750	**7950***	**7950***
(4.5 m)	kg							11140*	11140*	10560*	10490	9230*	7850	8260*	5960	3600*	3600*
+10´ 0˝	**lbs**			**40200***	**40200***	**45100***	**45100***	**32450***	30700	**25900***	21700	**21900***	**16100**	**19050***	12350	**8250***	**8250***
(3.0 m)	kg			15800*	15800*	20920*	20920*	15040*	14240*	11970*	10080	10100*	7500	8780*	5750	3760*	3760*
+5´ 0˝	**lbs**			**17800***	**17800***	50300*	**44600**	**36700***	**28850**	**28450***	20550	**23400***	**15400**	**19450**	**11900**	**8800***	**8800***
(1.5 m)	kg			7650*	7650*	23100*	20710	16970*	13400	13140*	9540	10800*	7170	9050	5550	4010*	4010*
Ground	**lbs**			23300*	23300*	**52800***	**42350**	**38850***	**27450**	**29950***	**19650**	**24250***	**14850**	**19100**	**11600**	**9700***	**9700***
Line	kg			10300*	10300*	24170*	19690	17960*	12740	13840*	9130	11210*	6910	8880	5390	4390*	4390*
-5´ 0˝	**lbs**	**21800***	**21800***	31200*	31200*	**53400***	**41800**	**38950***	**26750**	30150*	**19150**	**23950**	**14500**	**18950**	**11450**	11000*	**10600**
(1.5 m)	kg	9770*	9770*	13910*	13910*	24560*	19430	17990*	12420	13930*	8890	11140	6750	8800	5320	4970*	4790
-10´ 0˝	**lbs**	31750*	31750*	**40800***	**40800***	51000*	**42100**	**37800***	**26750**	**29300***	**19150**	23150*	**14550**			13100*	**11900**
(3.0 m)	kg	14280*	14280*	18120*	18120*	23560*	19590	17480*	12430	13570*	8880	10760*	6760			5890*	5370
-15´ 0˝	**lbs**	**40800***	**40800***	**55400***	**55400***	**45600***	**42500***	**34400***	27250	**26450***	**19500**	**19450***	15050			**16750***	**14250**
(4.5 m)	kg	18220*	18220*	24990*	24990*	21140*	19760	15970*	12640	12340*	9050	9270*	6990			7510*	6400
-20´ 0˝	**lbs**			**49100***	**49100***	**36300***	**36300***	**27400***	27250*	**19300***	**19300***					**16550***	**16550***
(6.0 m)	kg			23040*	23040*	17030*	17030*	12920*	12670	9390*	9140*					7570*	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)		40´ 0˝ (12.0 m)		Cap at Max. Reach	
		End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side
+35´ 0˝	**lbs**																	7500*	7500*
(10.5 m)	kg																	3360*	3360*
+30´ 0˝	**lbs**													**9300***	**9300***			**6900***	**6900***
(9.0 m)	kg													4730*	4730*			3100*	3100*
+25´ 0˝	**lbs**													12250*	12250*			**6600***	**6600***
(7.5 m)	kg													5750*	5750*			2980*	2980*
+20´ 0˝	**lbs**											**16600***	**16600***	**13950***	**13450**	**8750***	**8750***	**6500***	**6500***
(6.0 m)	kg											7690*	7690*	6460*	6290	4610*	4610*	2940*	2940*
+15´ 0˝	**lbs**											**18150***	17200	**15900***	13000	11300*	**9950**	**6550***	**6550***
(4.5 m)	kg											8340*	7990	7380*	6070	5600*	4650	2980*	2980*
+10´ 0˝	**lbs**					**38750***	**38750***	**29200***	**29200***	23750*	22250	20300*	**16400**	**17800***	12500	**12900***	**9650**	**6800***	**6800***
(3.0 m)	kg					17790*	17790*	13520*	13520*	10980*	10320	9370*	7630	8210*	5820	6330*	4510	3090*	3090*
+5´ 0˝	**lbs**			**26750***	**26750***	**48050***	**45650***	**34150***	**29550**	**26750***	**20900**	22200*	15550	**19000***	**11950**	**13650***	**9350**	7200*	7200*
(1.5 m)	kg			11440*	11440*	22290*	21200	15800*	13710	12360*	9700	10240*	7240	8770*	5570	6780*	4370	3280*	3280*
Ground	**lbs**			**23650***	**23650***	51050*	**42850**	**37450***	27700	**28900***	**19750**	23500*	**14850**	**19050**	11500	**12800***	**9100**	**7850***	**7850***
Line	kg			10450*	10450*	23430*	19930	17300*	12870	13340*	9180	10850*	6910	8860	5360	6620*	4250	3560*	3560*
-5´ 0˝	**lbs**	**18750***	**18750***	**28600***	**28600***	**52800***	**41350**	**38650***	**26550**	**29800***	**19000**	**23850**	**14350**	**18700**	11200			**8800***	**8800***
(1.5 m)	kg	8400*	8400*	12720*	12720*	24290*	19210	17840*	12330	13770*	8830	11080*	6680	8710	5230			3990*	3990*
-10´ 0˝	**lbs**	**26750***	**26750***	**36000***	**36000***	52250*	**41250**	**38150***	**26250**	**29450***	**18750**	23550	**14200**	**18650***	11200			10300*	10050
(3.0 m)	kg	12020*	12020*	15990*	15990*	24140*	19190	17620*	12210	13620*	8710	10910*	6600	8680	5210			4630*	4540
-15´ 0˝	**lbs**	**34950***	**34950***	**46400***	**46400***	**48700***	**41700**	**36100***	**26500**	**27900***	**18900**	21750*	**14450**					**12650***	11700
(4.5 m)	kg	15480*	15480*	20470*	20470*	22540*	19410	16730*	12310	12960*	8780	10180*	6690					5660*	5260
-20´ 0˝	**lbs**	**44500***	**44500***	**59050***	**59050***	**41800***	**41500***	31350*	27150	23750*	**19550**	**16100***	**14800**					15750*	**14700**
(6.0 m)	kg	19830*	19830*	26590*	26590*	19490*	19320	14660*	12620	11180*	9060	8010*	6920*					7130*	6550
-25´ 0˝	**lbs**			**40750***	**40750***	**29900***	**29900***	**21800***	**21800***									**13950***	**13950***
(7.5 m)	kg			19500*	19500*	14300*	14300*	10570*	10570*									6420*	6420*

Lifting Capacities - ISO Ratings

Radius of Load - 470 X3 with Expandable 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**											13350*	13350*			10550*	10550*
(9.0 m)	kg											6850*	6850*			4750*	4750*
+25´ 0˝	**lbs**											**18050***	**18050***			10100*	10100*
(7.5 m)	kg											8270*	8270*			4580*	4580*
+20´ 0˝	**lbs**									**21850***	**21850***	**19900***	**18350**	**14650***	13750	10000*	10000*
(6.0 m)	kg									10030*	10030*	9260*	8530	7430*	6430	4540*	4540*
+15´ 0˝	**lbs**					**38750***	**38750***	**29750***	**29750***	**24400***	**23800**	21200*	17700	**18750***	**13450**	10200*	10200*
(4.5 m)	kg					17890*	17890*	13820*	13820*	11280*	11050*	9740*	8230	8610*	6270	4630*	4630*
+10´ 0˝	**lbs**					**46550***	**46550***	**34650***	32250	27150*	22750	22700*	17000	**19550***	13050	**10650***	**10650***
(3.0 m)	kg					21520*	21520*	16080*	14950	12560*	10570	10470*	7900	9020*	6090	4820*	4820*
+5´ 0˝	**lbs**					51300*	**47050**	**37950***	**30450**	**29250***	21750	**23850***	**16350**	**19750**	12700	11350*	11300
(1.5 m)	kg					23590*	21790*	17570*	14140	13510*	10090	11010*	7610	9180	5920	5150*	5120
Ground	**lbs**			22100*	22100*	**50900***	**45350**	**39000***	**29300**	30100*	21000	**24200***	**15900**	**19500**	12500	12500*	11700
Line	kg			9750*	9750*	22040*	21010	18010*	13620	13910*	9750	11200*	7400	9060	5810	5660*	5310
-5´ 0˝	**lbs**	**23850***	**23850***	**33600***	**33600***	52200*	**45900**	**38450***	**29050**	**29750***	20750	23700*	15750			**14300***	12700
(1.5 m)	kg	10690*	10690*	14980*	14980*	24040*	21110	17770*	13500	13760*	9630	11000*	7320			6450*	5760
-10´ 0˝	**lbs**	**36350***	**36350***	**45750***	**45750***	**48150***	**46050**	**36250***	**29300**	**28050***	**20900**	21500*	**16050**			17300*	**14600**
(3.0 m)	kg	16370*	16370*	20340*	20340*	22250*	21400	16780*	13610	13030*	9710	10080*	7440			7750*	6580
-15´ 0˝	**lbs**			55250*	55250*	**41050***	**41050***	31300*	**29550**	23500*	21300					**17650***	**17650***
(4.5 m)	kg			25620*	25620*	19060*	19060*	14590*	13730*	11070*	9900					7970*	7970*
-20´ 0˝	**lbs**					**29000***	**29000***	21200*	21200*							15250*	15250*
(6.0 m)	kg					13780*	13780*	10260*	10260*							7000*	7000*

Radius of Load - 470 X3 with Expandable 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**							**19650***	**19650***					15300*	15300*
(9.0 m)	kg							7810*	7810*					6880*	6880*
+25´ 0˝	**lbs**							22200*	22200*	20250*	**18300**			**14600***	**14600***
(7.5 m)	kg							10340*	10340*	9250*	8540			6620*	6620*
+20´ 0˝	**lbs**					**27850***	**27850***	**24250***	**24000**	**21450***	**17950**			**14450***	**14450***
(6.0 m)	kg					12920*	12920*	11130*	11120*	9940*	8360			6570*	6570*
+15´ 0˝	**lbs**			**42150***	**42150***	32750*	32700	**26300***	**23400**	**22900***	**17400**			**14750***	13350
(4.5 m)	kg			19630*	19630*	15210*	15160*	12150*	10870	10520*	8090			6680*	6030
+10´ 0˝	**lbs**			**49800***	**48250**	37000*	**31400**	**28650***	22350	23750*	**16800**	**17950***	13000	15300*	12750
(3.0 m)	kg			22940*	22240	17150*	14570	13240*	10380	10950*	7810	9310	6050	6930*	5790
+5´ 0˝	**lbs**			**40200***	**40200***	**39050***	**29950**	30100*	21500	**24400***	**16300**			**16200***	12750
(1.5 m)	kg			16970*	16970*	18060*	13900	13900*	9990	11280*	7570			7380*	5800
Ground	**lbs**			**47300***	**44900**	**39000***	**29200**	30200*	**20950**	**24300***	**16000**			**17850***	13350
Line	kg			20530*	20530*	18020*	13570	13960*	9730	11240*	7420			8080*	6060
-5´ 0˝	**lbs**	**37650***	**37650***	**49750***	**46000**	37750*	**29300**	**29350***	**20950**	**22850***	**16100**			**19950***	**14750**
(1.5 m)	kg	16880*	16880*	22910*	21280	17420*	13610	13580*	9720	10660*	7460			9060*	6670
-10´ 0˝	**lbs**	**53950***	**53950***	**44150***	**44150***	**34150***	**29750**	**26250***	21350					**19250***	17350
(3.0 m)	kg	23910*	23910*	20360*	20360*	15810*	13820	12230*	9910					8720*	7820
-15´ 0˝	**lbs**	**43450***	**43450***	**34900***	**34900***	**26900***	**26900***							**17400***	**17400***
(4.5 m)	kg	20190*	20190*	16260*	16260*	12640*	12640*							7950*	7950*

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	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	**lbs**			**24100***	**24100***	53000*	**46250**	**38950***	**29800**	30050*	21350	**24300***	**16200**	**19650**	12700	**9800***	**9800***
Line	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

		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)		Cap at Max. Reach	
		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	**lbs**	11350*	11350*	**24000***	**24000***	51250*	**46750**	**37650***	30050	**29050***	**21450**	**23600***	**16150**	**19600**	**12600**	12550*	10050	**7950***	**7950***
Line	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*
(9.0 m)	kg									8140*	8140*			6000*	6000*
+25´ 0˝	**lbs**									**20800***	**20800***	**14850***	**14850***	**12600***	**12600***
(7.5 m)	kg									**9540***	**9540***	**8360***	**7850***	5700*	5700*
+20´ 0˝	**lbs**							**26550***	**26550***	**22900***	**22850***	20100*	**16550**	12300*	12300*
(6.0 m)	kg							12300*	12300*	10550*	10540	9240*	7740	5580*	5580*
+15´ 0˝	**lbs**					**39000***	**39000***	31100*	31100*	25100*	22350	21350*	**16050**	**12450***	**12450**
(4.5 m)	kg					18070*	18070*	14440*	14440*	11600*	10400	9870*	7490	5650*	5620
+10´ 0˝	**lbs**					**46500***	**46500***	35300*	30700	27300*	21250	**22450***	**15450**	**12900***	**11850**
(3.0 m)	kg					21580*	21580*	16370*	14250	12630*	9880	10360*	7210	5870*	5360
+5´ 0˝	**lbs**					**51650***	**45450**	37550*	**29000**	**28650***	20300	**22850***	**14950**	**13900***	**11850**
(1.5 m)	kg					23820*	21120	17380*	13470	13250*	9450	10580*	6960	6300*	5380
Ground	**lbs**			30750*	30750*	52100*	**44350**	**37600***	**27950**	**28700***	**19650**	22700*	**14600**	**15450***	12500
Line	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**
(1.5 m)	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**
(3.0 m)	kg			26850*	26850*	20020*	20020*	15110*	13180	11280*	9290			8150*	7610
-15´ 0˝	**lbs**			**42700***	**42700***	**32950***	**32950***	**24150***	**24150***					**15600***	**15600***
(4.5 m)	kg			19930*	19930*	15440*	15440*	11460*	11460*					7150*	7150*

470X3

Standard and Optional Equipment

CAB

12V Power Outlet ✓
24V Lighter ✓
AM/FM Sound System ✓
Anti-Theft Device ✓
Ashtray ✓
Auxiliary Switches on Control Lever ✓
Cab Exterior Light Harness ✓
Cab Filter - External ✓
Cab Handrails ✓
Cab Interior Light ✓
Cab Lights ✓
Cab Iso-Mounts ✓
Clear Roof Window ✓
Climate Control A/C and Heater ✓
Console Tilt ✓
Cup Holder ✓
Defroster ✓
Digital Clock ✓
ECO Gauge ✓
Emergency Exit and Hammer ✓
Face Vent ✓
Floor Mat ✓
Front Guard (mesh) ●
Front Guard (OPG 1,2) ●
Front Window One-Touch Lock ✓
Gate Lock Hydraulic Activation ✓
Horn ✓
Hot & Cool Box ✓
Hour Meter - Digital ✓
KAB 815 Suspension Seat ✓
KAB 855 Air-Suspension ●
LED Color Monitor ✓
Magazine Rack ✓
Maintenance Interval Reminders ✓
MP3 Auxiliary Input Jack ✓
On-Board Diagnostic System ✓
One-Piece Right Window ✓
Radio Mute Switch ✓
Rear View Camera ✓
Rear View Mirrors ✓
Roof Sun Shade ✓
Safety Glass Windows ✓
Seat Recline ✓
Selectable Monitor Languages ✓
Side View Camera ●
Small Storage ✓
Sun Visor ●
Travel Alarm with Cancel Switch ✓
Trip Meter - Digital ✓
Wiper & Washer ✓
Wiper Switch on RH Joystick ✓

ENGINE

Air Filter - Double Element ✓
Air Filter Restriction Indicator ✓
Air Pre-Cleaner ✓
Auto Warm-Up System ✓
Auto-Idle ✓
Auto-Idle Engine Shutdown ✓
CEGR - Cooled Exhaust Gas Recirculation ✓
Cooling Fan (reversible) ✓
Diesel Oxidation Catalyst (DOC) ✓
Diesel Particulate Filter (DPF) ✓
Drain for Fuel Tank ✓
Dual Remote Fuel Filters & Water Separation ✓
EGR Coolers ✓
Emergency Engine Stop ✓
Engine Idle System ✓
Remote Engine Oil Drain ✓
Engine Protection Feature ✓
External Fuel Gauge ✓
Fan Housing ✓
Fuel Filter Restriction Indicator ✓
Fuel Management System ✓
Fuel Shut-Off Valve ✓
Fuel Usage Monitor ✓
Glow Plug Pre-Heat ✓
Idle-Start ✓
Intercooler ✓
Neutral Start ✓
One-Touch Idle ✓
Passive Emissions-Regeneration ✓
Radiator / Oil Cooler Protective Screen ✓
Regeneration Gauge on Monitor ✓
Remote Oil Filter ✓
VGT Turbocharger ✓

HYDRAULICS

Arm Regeneration ✓
Arm Speed Assistance - 2 Pump Flow ✓
Attachment Cushion Valve ✓
Auto Swing Priority ✓
Auxiliary Flow Control ✓
Auxiliary Tool Settings - Memory ✓
Auxiliary Valve ✓
Boom Regeneration ✓
Boom Speed Assistance - 2 Pump Flow ✓
Bucket Curl Assist ✓
Control Levers Pre-Wired for Auxiliary ✓
Control Pattern Changer (2 way) ✓
Fire Wall ✓
Free Swing ●
Holding Valve - Arm ✓
Holding Valve - Boom ✓
Hose Burst Check Valve ●
Hydraulic Filter Restriction Indicator ✓
Long Life Hydraulic Oil - 5,000 Hour ✓
Neutral Pump De-stroke ✓
Oil Cooler ✓
Power Boost ✓
Pressure Reading on Monitor ✓
Pump Stand-By Pressure ✓
Single Pedal Travel ✓
Straight Travel Circuit ✓

AUXILIARY HYDRAULIC OPTIONS

Single-Acting Aux. w/ Switch Activation ●
Single-Acting Aux. w/ Pedal Activation ●
Thumb Auxiliary w/ Switch Activation ●
Multi-Function Aux. w/ Switch Activation ●
Secondary Aux. w/ Switch Activation ●
Combination Aux. w/ Switch Activation ●

UNDERCARRIAGE

750 mm shoes (29.5 in) 3-Bar Steel ●
900 mm shoes (35.5 in) 3-Bar Steel ✓
Steps ✓
Carbody Belly Pan (swivel guard) ✓
Track Guide (double) ✓
Track Guide (full length) ●
Long Undercarriage ✓
Sealed Link Chain ✓
Strutted Track Chain ✓

UPPERSTRUCTURE

Belly Pans ✓
Catwalks ✓
Center Cover (Over Main CV) ✓
Counterweight Removal System ●
Fuel Tank Belly Pan ✓
Hand Rail - RH Access ✓
Lifting Eyes for Counterweight ✓
Lockable Fuel Cap and Service Doors ✓
Rubber Bumper Guards ●
Tool Box - Lockable ✓
Turntable Tub ✓
Work Lights - Boom and Tool Box ✓

ATTACHMENT

8′ 4″ (2.53 m) Short Arm ●
11′ 1″ (3.38 m) Arm ●
13′ 2″ (4.00 m) Long Arm ●
15′ 11″ (4.85 m) Long Arm ●
22′ 11″ (6.98 m) Main Boom Section ●
21′ 6″ (6.55 m) Mass Excavator Boom Section ●
Attachment Reinforcement Plate (boom+arm) ●
Auxiliary Pipe Brackets ✓
Boom Work Light ✓
Bucket Anti-Clatter Device ✓
Chrome pins ✓
Easy Maintenance System ✓
HD Bucket Link ✓
Quick Couplers ●
Remote Lube Bank ✓
Teardrop pin retention keepers ✓
Thumbs ●

PARTS KIT

Bucket Anti-Clatter Device ✓
Engine Manual ✓
Engine Oil Filter ✓
Filter Wrench ✓
Fuel Filters ✓
Grease Gun ✓
Green Plug Drain Hose for Engine Oil Drain ✓
Hydraulic Return Filter ✓
Ignition Keys ✓
Pilot Circuit Hydraulic Filter ✓
Rearview Mirrors ✓
Work Light for Boom ✓

Equipment Key
Standard ✓ Optional ●

Bucket Sizes

470 X3 with Fixed Sideframe

Bucket Type	Heaped Capacity (yd³)	Heaped Capacity (m³)	Width Outside Lip (in)	Width Outside Lip (mm)	Bucket Weight (lbs)	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
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	L
	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	H	M	L
	3.24	2.48	60	1 524	4,707	2 135	6	H	M	L	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	H
Power Buckets	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	H	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

470 X3 with Expandable Sideframe

Bucket Type	Heaped Capacity (yd³)	Heaped Capacity (m³)	Width Outside Lip (in)	Width Outside Lip (mm)	Bucket Weight (lbs)	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
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	H
	2.91	2.22	54	1 372	3,705	1 681	6	H	H	H	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	H	M	M
	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	H
Power Buckets	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	H
	2.31	1.77	48	1 219	6,120	2 776	5	H	H	H	M
	2.65	2.03	54	1 372	6,489	2 943	6	H	H	M	L
	2.99	2.29	60	1 524	6,780	3 075	6	H	M	L	L

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

Litho in USA 4/13 #LBX2237

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LBX "Different by Design"