

specifications

Operating Weight: 99,200 lbs. (44 996 kg)

SAE Net Horsepower: 271 HP (202 kW)

Swing Torque: 114,520 lbf-ft. (154.9 kN•m)

Engine

Isuzu AH-6HK1XYSS Tier 3 turbocharged diesel engine with electronic fuel control, 6-cylinder, Water-cooled, EGR with cooler, Air-to-air intercooler, Common-rail fuel injection, Fuel cooler, Glow plug cold weather starting aid, Auto idle-start, Auto warm-up, EPF engine protection, Remote dual stage fuel filtration, Remote oil filter, Green Plug oil drain, Cyclone air pre-cleaner, Double element air filter.

SAE net horsepower 271 HP (202 kW) @ 2,000 rpm
Displacement 7.8 L
Maximum torque 797 lbf-ft (1 080 N-m) @ 1,500 rpm
Starter 24V-5.0kW
Alternator 50 amp
Battery (2) 12-volt, 128 amp hours

Cab and Controls

Pressurized cab with climate control A/C and heat with defroster, KAB® air suspension seat, Hydraulic cab riser with emergency lowering system, Level I cab guard - front, LCD monitor, Illuminated soft-touch switches, SureGrip® joysticks, Steering wheel - adjustable/telescoping, Accel and brake pedals, Intermittent windshield wiper with washer, Roof hatch with sunshade, AM/FM radio, Digital clock, Dome light, Seat belt, Coat hook, Cup holder, Storage compartments, Floor mat, Footrest, Ashtray, 24-volt cigarette lighter, 12-volt outlet, Travel alarm, Handrail, Mirrors.

Selectable working modes, Anti-theft password protection system, On-board self-diagnostic system with memory, Auto-idling system, One-touch decelerator, Neutral safety start, Free Swing, Park Brake, Axle-oscillation control, Outtrigger control, FWD/REV shift, Transmission shifter, Gate-lock safety shutoff.

A/C output 18,250 BTU/hr
Heater output 20,240 BTU/hr

Hydraulic System

Open-center system, Two variable-displacement axial-piston pumps for main circuits, One gear pump for pilot controls, One auxiliary gear pump for brake and steer, Main control valve with one 4-spool section, one 5-spool section, one 2-spool section, Brake valve with accumulators, Orbitrol steering valve, Oil cooler, Boom holding valve, 6 micron return filter, Firewall.

Hydraulic Pumps

Maximum flow 2 x 79.3 gpm (2 x 300 l/min)
Pilot pump maximum flow 7.9 gpm (30 l/min)
Auxiliary pump maximum flow 17.6 gpm (67 l/min)

Relief Valve Settings

Boom up 4,970 psi (343 bar)
Boom down 3,970 psi (274 bar)
Arm circuit 4,970 psi (343 bar)
Swing circuit 4,400 psi (303 bar)
Travel 4,970 psi (343 bar)
Grapple open/close 4,970 psi (343 bar)
Grapple rotate 1,500 psi (103 bar)

Hydraulic Oil Filtration

Return filter 6 micron
Pilot filter 8 micron
Suction screen 105 mesh



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, Free Swing control.

Swing speed 0 – 7.1 rpm
Tail swing 11' 6" (3.52 m)
Swing torque 114,520 lbf-ft. (154.9 kN•m)

Chassis

Steel frame chassis with integral bearing tub, Replaceable bolt-on outrigger steps, (2) Toolbox - lockable, (4) Outtrigger stabilizers with protective cylinder guards and 21-inch pads - simultaneous activation, Non-skid surface on chassis deck, Bolt-on ladders for ingress/egress at each end, Ladders on each side for upper access.

Powertrain

ZF® 2HL290 Hydrostatic transmission with internal park brake, FWD/REV with 2-speed High/Low powershift, Rexroth AA6VM160 axial piston variable displacement motor, Kessler® Series 81 planetary drive axles, Steering/oscillating front axle, Automatic/manual axle lockout, Rigid rear axle, 4WD, 2-wheel steer, Internal wet disc service brakes, Trelleborg® solid rubber tires with tread.

Tires (4) Single, solid rubber 16.00 – 25
Tire width 16.0" (406 mm)
Tire diameter 58.1" (1.48 m)
Turning radius to outside edge 29' 3" (8.9 m)
Steering angle 29-degrees
Travel speed – low 0 - 3.4 mph (0 - 5.4 km/h)
Travel speed – high 0 - 11.4 mph (0 - 18.3 km/h)

Lubricant and Coolant Capacity

Fuel tank 153.22 gal. (580 liters)
Hydraulic tank 46.23 gal. (175 liters)
Hydraulic system 92.46 gal. (350 liters)
Engine oil 10.04 gal. (38.0 liters)
Cooling system 7.93 gal. (30.0 liters)
Transmission 0.79 gal. (3.0 Liters)
Front axle 9.25 gal. (35.0 Liters)
Rear axle 6.87 gal. (26.0 Liters)
Wheel hubs (each) 1.08 gal. (4.1 Liters)
Swing drive 2.77 gal. (10.5 Liters)

Attachment

Boom length 31' 2" (9.5 m)
Arm length 25' 4" (7.7 m)

Attachment Cylinders

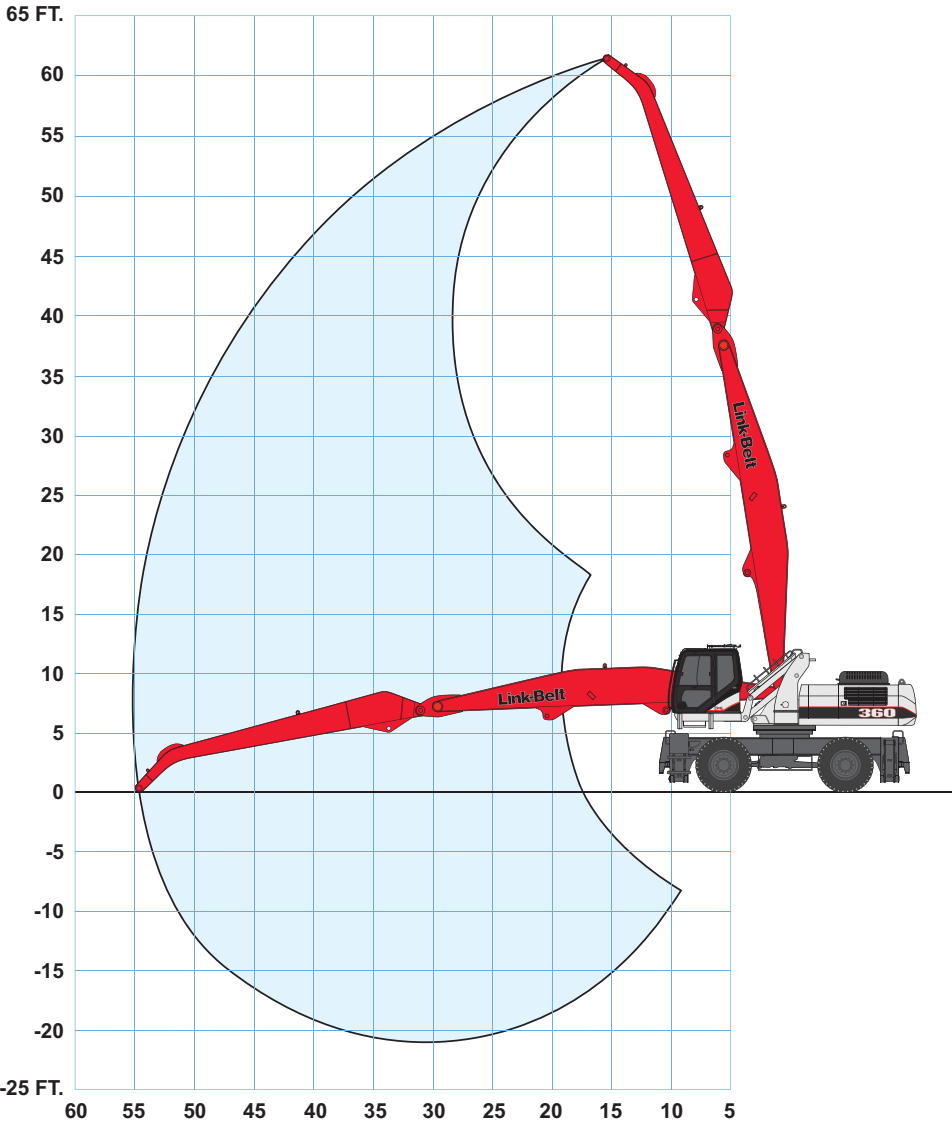
number of cylinders – bore x rod x stroke
Boom 2 – 6.5" x 4.92" x 55.0"
(165 mm x 125 mm x 1 397 mm)
Arm 1 – 6.5" x 4.5" x 66.0"
(165 mm x 114 mm x 1 676 mm)

Operating Weight

Working weight with hydraulic cab riser, 16.00 – 25 single tires, 56-foot 2-piece MH attachment, Young LO150C, 1.5 yd³ 4-tine orange peel grapple, 18,960 lb. (8 600 kg) MH counterweight 99,200 lbs. (44 996 kg)

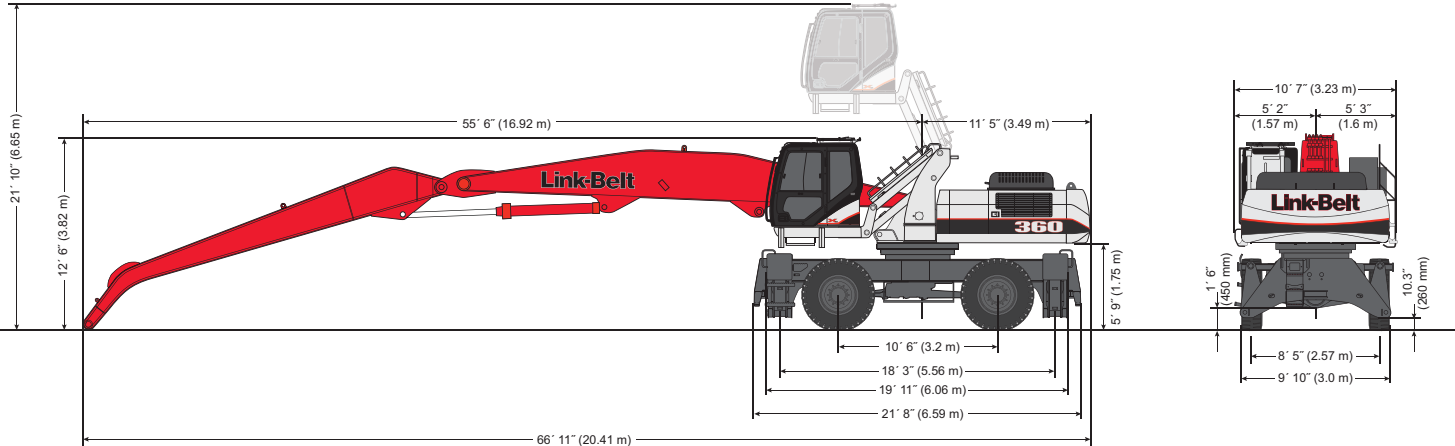
360 X2 RT Material Handler Specifications

Working Ranges



Machine equipped with 31' 2" (9.5 m) boom	25' 4" Arm (7.7 m)
A. Maximum reach	55' 9" (17.0 m)
B. Maximum reach @ ground level	55' 0" (16.8 m)
C. Maximum depth	21' 1" (6.43 m)
D. Maximum height	62' 0" (18.89 m)

Travel Dimensions



<https://truckmanualshub.com/>

360 X2 RT Material Handler Specifications

Lifting Capacities

25' 4" (7.7 m) Arm with 31' 2" (9.5 m) Boom

Radius of Load																			
15' 0" (4.57 m)		20' 0" (6.10 m)		25' 0" (7.62 m)		30' 0" (9.14 m)		35' 0" (10.66 m)		40' 0" (12.19 m)		45' 0" (13.72 m)		50' 0" (15.24 m)		55' 0" (16.76 m)			
End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side	End	Side		
+60' 0" lbs		17,100*	17,100*																
18.29 m (kg)		7 756*	7 756*																
+55' 0" lbs				16,200*	16,200*	13,200*	13,200*												
16.76 m (kg)				7 348*	7 348*	5 987*	5 987*												
+50' 0" lbs						15,500*	15,500*												
15.24 m (kg)						7 031*	7 031*	5 851*	5 851*										
+45' 0" lbs						16,200*	16,200*	14,800*	14,800*										
13.72 m (kg)						7 348*	7 348*	6 713*	6 713*	5 488*	5 488*								
+40' 0" lbs						16,600*	16,600*	15,800*	15,800*	14,200*	14,200*	10,600*	10,600*						
12.19 m (kg)						7 530*	7 530*	7 167*	7 167*	6 441*	6 441*	4 808*	4 808*						
+35' 0" lbs						16,900*	16,900*	16,600*	16,600*	15,500*	15,500*	13,100*	13,100*						
10.66 m (kg)						7 666*	7 666*	7 530*	7 530*	7 031*	7 031*	5 942*	5 942*						
+30' 0" lbs						17,400*	17,400*	17,600*	17,600*	16,100*	16,100*	14,700*	14,200	10,800*	10,800*				
9.14 m (kg)						7 893*	7 893*	7 983*	7 983*	7 303*	7 303*	6 668*	6 441	4 899*	4 899*				
+25' 0" lbs						17,000*	17,000*	18,600*	18,600*	18,100*	18,100*	16,300*	16,300*	14,700*	14,000	12,700*	11,600		
7.62 m (kg)						7 711*	7 711*	8 437*	8 437*	8 210*	8 210*	7 394*	7 394*	6 668*	6 350	5 761*	5 262		
+20' 0" lbs		15,500*	15,500*	19,100*	19,100*	21,000*	21,000*	18,600*	18,600*	16,600*	16,600*	14,800*	13,800	13,200*	11,500				
6.10 m (kg)		7 031*	7 031*	8 664*	8 664*	9 525*	9 525*	8 437*	8 437*	7 530*	7 530*	6 713*	6 260	5 987*	5 216				
+15' 0" lbs		21,600*	21,600*	25,000*	25,000*	22,000*	22,000*	19,100*	19,100*	16,800*	16,300	14,900*	13,400	13,100*	11,300	9,300*	9,300*		
4.57 m (kg)		9 798*	9 798*	11 340*	11 340*	9 979*	9 979*	8 664*	8 664*	7 620*	7 394	6 759*	6 078	5 942*	5 126	4 218*	4 218*		
+10' 0" lbs		34,400*	34,400*	27,400*	27,400*	22,800*	22,800*	19,500*	19,400	16,900*	15,800	14,800*	13,100	12,900*	11,100	10,200*	9,400		
3.05 m (kg)		15 604*	15 604*	12 428*	12 428*	10 342*	10 342*	8 845*	8 800	7 666*	7 167	6 713*	5 942	5 851*	5 035	4 627*	4 264		
+5' 0" lbs		35,600*	35,600*	28,100*	28,100*	23,100*	23,100*	19,600*	18,600	16,800*	15,300	14,600*	12,800	12,400*	10,900	9,900*	9,300		
1.52 m (kg)		16 148*	16 148*	12 746*	12 746*	10 478*	10 478*	8 890*	8 437	7 620*	6 940	6 622*	5 806	5 625*	4 944	4 491*	4 218		
Ground Line		16,500*	16,500*	27,900*	27,900*	22,900*	22,500	19,300*	18,000	16,400*	14,800	14,000*	12,500	11,700*	10,700	8,700*	8,700*		
(kg)		7 484*	7 484*	12 655*	12 655*	10 387*	10 206	8 754*	8 165	7 439*	6 713	6 350*	5 670	5 307*	4 853	3 946*	3 946*		
-5' 0" lbs	5,900*	5,900*	14,200*	14,200*	26,600*	26,600*	22,000*	21,800	18,400*	17,500	15,600*	14,500	13,100*	12,200	10,600*	10,500			
-1.52 m (kg)	2 676*	2 676*	6 441*	6 441*	12 066*	12 066*	9 979*	9 888	8 346*	7 938	7 076*	6 577	5 942*	5 534	4 808*	4 763			
-10' 0" lbs	7,900*	7,900*	14,900*	14,900*	24,300*	24,300*	20,200*	20,200*	17,000*	17,000*	14,200*	14,200*	11,600*	11,600*	8,800*	8,800*			
3.05 m (kg)	3 583*	3 583*	6 759*	6 759*	11 022*	11 022*	9 163*	9 163*	7 711*	7 711*	6 441*	6 441*	5 262*	5 262*	3 992*	3 992*			
-15' 0" lbs	10,300*	10,300*	16,800*	16,800*	20,900*	20,900*	17,600*	17,600*	14,800*	14,800*	12,100*	12,100*	9,500*	9,500*					
4.57 m (kg)	4 672*	4 672*	7 620*	7 620*	9 480*	9 480*	7 983*	7 983*	6 713*	6 713*	5 488*	5 488*	4 309*	4 309*					
-20' 0" lbs			16,500*	16,500*	14,100*	14,100*	11,700*	11,700*											
6.10 m (kg)			7 484*	7 484*	6 396*	6 396*	5 307*	5 307*											

Notes: Material Handler 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 SAE-J2518.

360 X2 RT Material Handler Specifications

Standard and Optional Equipment

CAB

12V Power Outlet.....	✓
24V Lighter.....	✓
Air-Suspension Seat – KAB 855.....	✓
Accelerator Pedal.....	✓
AM/FM Sound System.....	✓
Anti-Theft Device.....	✓
Ashtray.....	✓
Auxiliary Switches on Control Lever.....	✓
Brake Pedal.....	✓
Cab Filter - External.....	✓
Cab Handrails.....	✓
Cab Lights - Exterior.....	●
Cab Iso-Mounts.....	✓
Clear Roof Window.....	✓
Climate Control A/C and Heater.....	✓
Console Tilt.....	✓
Cup Holder.....	✓
Defroster.....	✓
Digital Clock.....	✓
Emergency Cab Lowering System.....	✓
Emergency Rear Exit Ladder.....	✓
Exterior Light Harness.....	✓
Floor Mat.....	✓
FOPS Head Guard (Level 2).....	●
Front Guard.....	✓
Gate Lock Hydraulic Activation.....	✓
Horn.....	✓
Hot & Cool Box.....	✓
Hour Meter - Digital.....	✓
Hydraulic Cab Riser.....	✓
Interior Dome Light.....	✓
LCD Monitor.....	✓
Maintenance Interval Reminders.....	✓
Mirrors.....	✓
On-Board Diagnostic System.....	✓
Radio Mute Switch.....	✓
Roof Sun Shade.....	✓
Seat Belt.....	✓
Storage Compartments.....	✓
Steering Wheel.....	✓
Adjustable / Tilt - Telescopic.....	✓
SureGrip Joysticks.....	✓
Travel Alarm with Cancel Switch.....	✓
Trip Meter - Digital.....	✓
Wiper & Washer.....	✓
Work Modes.....	✓

ENGINE

Isuzu Tier 3 Diesel Engine.....	✓
24V System.....	✓
Air Filter - Double Element.....	✓
Air Pre-Cleaner.....	✓
Auto Warm-Up System.....	✓
Auto-Idle.....	✓
Cooled Exhaust Gas Recirculation.....	✓
Cooling Fan.....	✓
Drain for Fuel Tank.....	✓
Dual Remote Fuel Filters.....	✓
with Water Separation.....	✓
Emergency Engine Stop.....	✓
Engine Oil Drain - Remote.....	✓
Engine Oil Filter - Remote.....	✓
Engine Protection Feature.....	✓
Fuel Shut-Off Valve.....	✓
Glow Plug Pre-Heat.....	✓
Idle-Start.....	✓
Intercooler.....	✓
Neutral Safety Start.....	✓
One-Touch Idle.....	✓
Turbocharger.....	✓

POWERTRAIN

16.00 – 25 Solid Rubber Tires (4).....	✓
2-Wheel Steer.....	✓
4WD.....	✓
2-Speed Hydrostatic Transmission.....	✓
FWD/REV Modulation.....	✓
On-the-Go Shifting.....	✓
Axles – Kessler Planetary Drive.....	✓
Axle Oscillation – Auto/Manual.....	✓
Front Axle – Steer/Oscillate.....	✓
Rear Axle – Rigid.....	✓
Park Brake – Internal Trans.....	✓
Transmission Guard.....	●
Wet Disc Brakes – Internal.....	✓

HYDRAULICS

Accumulators for Brake Circuit.....	✓
Attachment Cushion Valve.....	✓
Auto Swing Priority.....	✓
Auxiliary Pump (Brake/Steer).....	✓
Auxiliary Tool Settings - Memory.....	✓
Auxiliary Tubing.....	✓
(Grapple Open/Close/Rotate).....	✓
Axial-Piston Pumps (Main).....	✓
Fire Wall.....	✓
Free Swing.....	✓
Hydraulic Filter Restriction Indicator.....	✓
Long Life Hydraulic Oil - 5,000 Hour.....	✓
Neutral Pump De-stroke.....	✓
Oil Cooler.....	✓
Orbital Steering Valve.....	✓
Pump Stand-By Pressure.....	✓
Servo Pilot Pump.....	✓

UPPERSTRUCTURE

Automatic Swing Brake.....	✓
Free Swing Control – On/Off.....	✓
Belly Pans.....	✓
Center Cover (Over Main CV).....	✓
Counterweight for MH.....	✓
Fuel Tank Belly Pan.....	✓
Hand Rail - RH Access.....	✓
HD Turntable Bearing and Tub.....	✓
HD Upper Frame with Belly Pans.....	✓
Lifting Eyes for Counterweight.....	✓
Lockable Fuel Cap & Service Doors.....	✓
Non-Slip Surface Pads.....	✓
Rubber Bumper Guards.....	●
Work Lights - Boom and Tool Box.....	✓

CHASSIS

Outriggers (4).....	✓
Outrigger Steps – Bolt On.....	✓
Outrigger Cylinder Guards.....	✓
Ladders – Both Ends/Bolt On.....	✓
Ladders – Both Sides.....	✓
Tie-Downs.....	✓
Tool Box (2) – Lockable.....	✓

ATTACHMENT

31' 2" (9.5 m) Main Boom.....	✓
25' 4" (7.7 m) Arm – Droop Style.....	✓
Boom Work Lights.....	✓
Cylinders with Bolt-On Heads.....	✓
Grapple Tubing.....	✓
Open/Close.....	✓
Rotate with Flow Control.....	✓
Lift Hooks – Arm/Boom.....	✓
Remote Lube Bank.....	✓
Auto Lube - Lincoln.....	●

GENERATOR OPTIONS

20 kW Baldor/Hubbell.....	✓
Solid-State Controller.....	●
Conventional Controller.....	●
20 kW Baldor/Ohio.....	●
Magnet Cable Included with.....	✓
All Gen-Set Options.....	✓
Magnet Connecting Link.....	●

PARTS KIT

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 ●