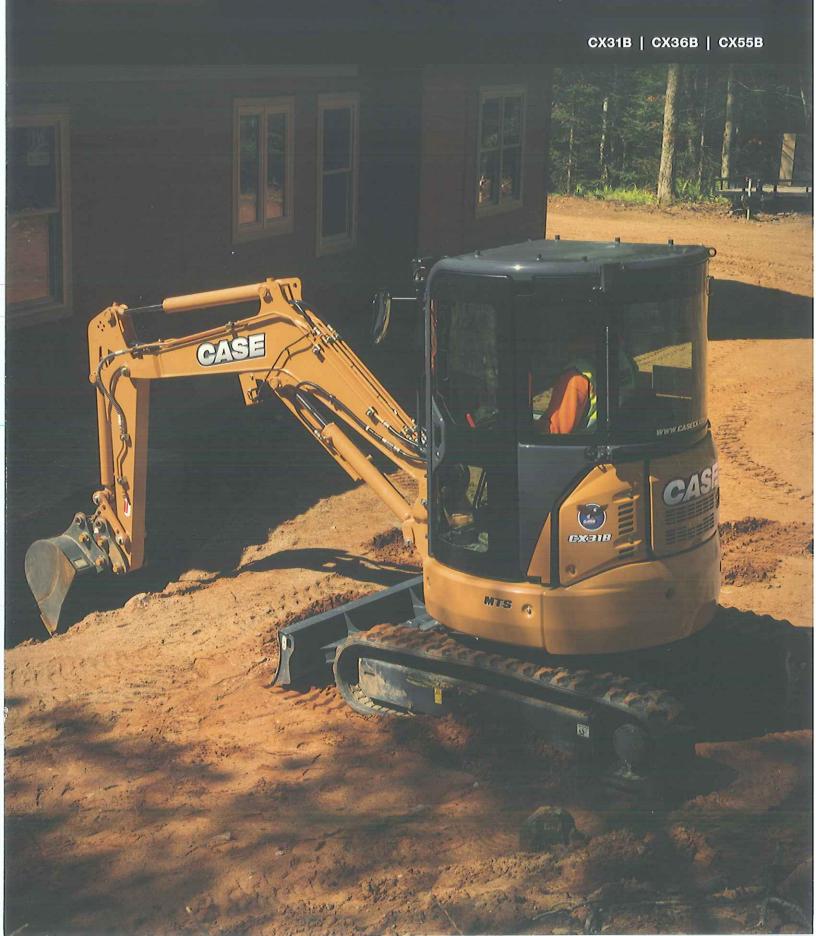


CX B SERIES COMPACT EXCAVATORS



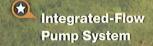
MINI EXCAVATORS. MANY ADVANTAGES.

Whether you're a small business or a general contractor needing impressive power within a small space, the full line of CASE compact excavators offers all the features and functionality needed to handle the toughest jobs in the tightest places. Three Tier 4 Final models deliver breakout forces from 6,227 to 11,028 lbs and digging depths up to nearly 13 feet. And it's all powered by high-efficiency hydraulics that maximize performance, and precision controls that instantly feel familiar. Experience the big-time benefits of the CX B Series.













IT HOLDS NOTHING BACK.



IN THE CLEAR WITH ZERO TAIL SWING*

CASE compact excavators offer a true, zero-radius tail swing that keeps the sides and back of the machine within the width of the tracks when rotating – even with the door open. You can dig and dump 180°, right against obstacles, without a problem and with less risk of damaging the machine or worksite.

*Excludes CX55B

FOOT PEDAL CENTER-SWING BOOM CONTROL

A foot-controlled boom swing allows for simultaneous operation of the house and boom. Coupled with a center-swing design that angles the boom up to 80° left and 65° right, operators are able to dig and use attachments around trees and parallel with foundations, fences, walls or whatevers on the worksite.

INTEGRATED-FLOW PUMP SYSTEM: SMART POWER PLACEMENT

This innovative system helps improve fuel efficiency and maximize strength by directing hydraulic power to where you need it, when you need it. With dozing, flow is focused on the tracks and blade. When swinging or raising the arm, pump power is diverted to the boom. During digging, all flow is pumped to the bucket and arm.





FASTER CYCLE TIMES WITH AUTOMATIC TWO-SPEED TRAVEL

The two-speed travel drive function matches speed and performance to jobsite conditions. All models also include one-touch engine deceleration to quickly cut engine RPMs for greater fuel savings and reduced noise levels.





GET A LITTLE MORE COMFORTABLE.



Sliding cab door maintains zero tail swing.

SMARTEST CAB DOOR IN ITS CLASS

What's the point of a zero tail swing design if the open door hangs over the tracks? CASE compact excavators* come standard with a cab door that slides all the way open within the machine frame, keeping it securely out of the way.

*Excludes CX55B

PRECISION CONTROLS COME STANDARD

All CASE compact excavators – even our smallest models – come standard with hydraulic pilot controls for comfortable, highly responsive operation. On top of that, all models also feature a pattern control selector valve that lets you easily toggle between ISO and SAE patterns to meet operator preference.



CONSTRUCTED FOR COMFORT

With an adjustable seat and standard armrest, as well as an optional heating and A/C system for our enclosed cabs, the spacious operating platforms of the CX B Series help keep you comfortable all day long and all year round.



Proportional auxiliary hydraulics joystick with thumb toggle puts precision at your fingertips.

THE MONITOR MAKES THE DIFFERENCE

On the CX55B, an optional LCD monitor makes performance data and machine diagnostics readily available. This screen displays:

- "ECO green mark" display for better fuel efficiency during operation
- Fuel efficiency information, including hours, fuel consumption and average fuel efficiency
- Maintenance information
- Operation management
- A variety of alerts

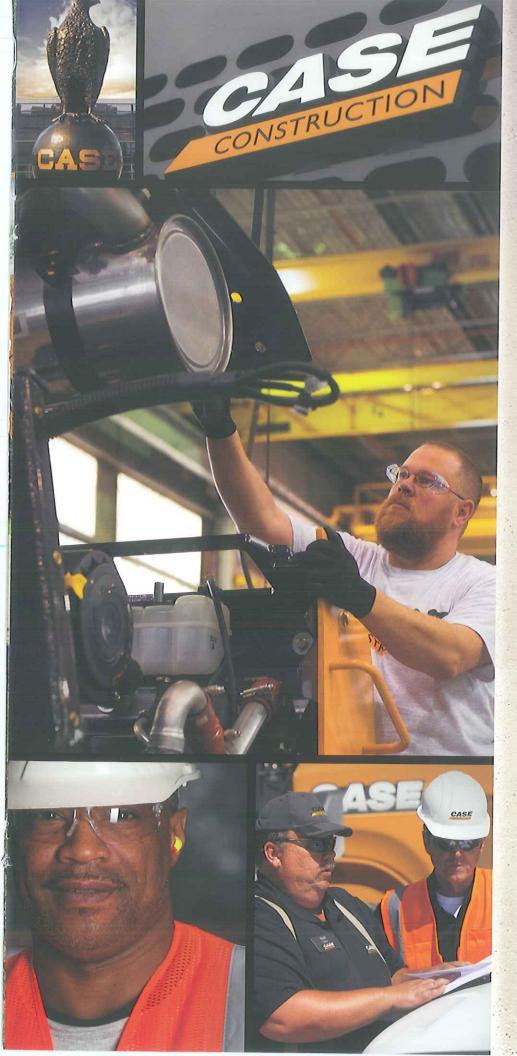


THE CX B SERIES COMPACT EXCAVATORS



SPECIFICATIONS	СХЗ1В	CX36B	CX55B
Engine	Yanmar 3TNV88F-E	Yanmar 3TNV88F-E	Yanmar 4TNV88-C-PYB
Net hp (kW)	23.1 (17.2) @ 2400 RPM	23.1 (17.2) @ 2400 RPM	37.4 (27.6) @ 2400 RPM
Emissions certification*	Tier 4 Final CEGR	Tier 4 Final CEGR	Tier 4 Final (CEGR/DPF)
Bucket digging force - lbf (kN)	6,227 (27.7)	6,227 (27.7)	11,128 (49.5)
Arm digging force – lbf (kN)	4,294 (19.1)	5,036 (22.4)	5,300 (23.7)
Operating weight - lb (kg)	7,672 (3 480)	8,554 (3 880)	12,295 (5 577)
Displacement – in³. (L)	100.0 (1.6)	100.0 (1.6)	134.2 (2.2)
Lift capacity @ ground level - lb (kg)	1,790 (810)	1,970 (890)	2540 (1152)
DIMENSIONS			
Overall height	8 ft. 3 in. (2.51 m)	8 ft. 3 in. (2.51 m)	8 ft. 4 in. (2.55 m)
Overall length	15 ft. 6 in. (4,73 m)	15 ft. 10 in. (4.82 m)	18 ft. 1 in. (5.50 m)
Width of upperstructure	5 ft. 0 in. (1.53 m)	5 ft. 0 in. (1.53 m)	6 ft. 5 in. (1.94 m)
Track overall length	7 ft. 1 in. (2.16 m)	7 ft. 1 in. (2.16 m)	8 ft. 2 in. (2.50 m)
Track overall width with shoes**	5 ft. 1 in. (1.55 m)	5 ft. 7 in. (1.70 m)	6 ft. 5 in. (1.96 m)
Track shoe width	11.8 in. (300 mm)	11.8 in. (300 mm)	15.7 in. (400 mm)
Upperstructure ground clearance	22.0 in. (570 mm)	22.0 in. (570 mm)	24.0 in. (610 mm)
Minimum ground clearance	11.8 in. (300 mm)	11.8 in. (300 mm)	13.0 in. (320 mm)
Rear tail swing radius	2 ft. 7 in. (0.78 m)	2 ft. 0 in. (0.85 m)	3 ft. 10 in. (1.17 m)
Digging depth	9 ft. 3 in. (2 820 mm)	10 ft. 0 in. (3 050 m)	12 ft. 10 in. (3 912 mm)
Tail swing overhang	0 ft. 0 in. (0 mm)	0 ft. 0 in. (0 mm)	7.5 in. (191 mm)
Max reach @ ground level	14 ft. 1 in. (4.3 m)	14 ft. 7 in. (4.45 m)	15 ft. 0 in. (4.6 m)

NOTE: 'CEGR = Cooled Exhaust Gas Recirculation; DPF = Diesel Particulate Filter. "Measurements taken using standard equipment.



BUILDING A STRONG CASE

Already in high gear with the arrival of founder J.l. Case's portable steam engine in 1869, we found ourselves at the heart of the road construction boom of the early 1900s. The path was set. Today, CASE is a game changer in construction equipment, financing, parts and service.

Revolutionary is nothing new to CASE, as innovations like the integrated backhoe loader (1957), Ride ControlTM, over-center boom design and ProCare have shown. It's this ingenuity and spirit that fuels our ongoing pursuit of building industry-leading performance and productivity into every machine throughout our full line of light to heavy equipment.

All of this is backed by a portfolio of more than 10,000 OEM, REMAN and Gold Value parts, more than 350 North American dealer locations and unmatched financial and insurance services that ensure the best support is always within reach. When all is said and done, our strength is only as solid as the machines we engineer, the support and service we give and, most importantly, the vote of confidence CASE customers have with every bit of it.



CAPITAL

Specialized finance programs and flexible leasing packages put you in the driver's seat of industry-leading CASE equipment, while no-nonsense warranties and comprehensive protection plans ensure that your equipment is protected. As the only finance company dedicated to CASE, we offer strong products and services designed around your unique needs and are the only ones supported by the helpful service professionals at your CASE dealer.

To learn more about CASE or for attentive customer service, visit your nearest dealer, call 1-866-54-CASE6 or visit us online at CaseCE.com.





CaseCE.com



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Form No. CCE201505CEXC Replaces Form No. CCE201404CEXC



SAFETY™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it

is operating properly. Follow the product safety signs and use any safety features provided.

NOTE: All engines meet current EPA emissions regulations. NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.





ExcavatorsC SERIES



SINCE 1842



CX80C



CX130C



CX160C



CX210C



CX2500



CX300C



CX350C



CX470C



СХ700В



CX800B



CX75C SR



CX145C SR



CX235 SR

MORE DIRT MOVED, LESS FUEL USED

With a full line of conventional swing machines ranging from 8 to 80 tons and short-radius models up to 23 tons, CASE excavators combine the muscle and finesse that's required to get the job done as effectively and efficiently as possible in nearly any application or working environment. That means digging, dumping, swinging, lifting and loading faster, but without burning excess fuel or sacrificing precision and comfort. Less jolting and jerking. Fewer fill-ups. More jobs done. That's how CASE does it.

- + Up to 10% Fuel Efficiency
- + Unmatched Featherability
- + Simple Serviceability
- + Best-in-Class Cab Comfort
- + Protected by ProCare
- + CASE Intelligent Hydraulic System (CIHS)



LOVE WHERE YOU WORK



Air suspension seat comes standard

7-inch anti-glare HD monitor offers a wealth of intuitive controls.

BEST-IN-CLASS OPERATOR ENVIRONMENT

Climb inside a ROPS/FOPS-certified cab with spacious comfort. Features like a standard intelligent climate control system that automatically responds to sunlight, a five-position deluxe air-ride seat, cushioned armrests and an optional Bluetooth radio help keep you comfortable. All in a cab with up to 7% more space than the B Series, up to 25% more airflow and as much as 8% more cooling to give operators of any size more comfort and room to work.

360° VISIBILITY

With a standard rear camera and optional side camera, ISO-compliant mirrors, and a roof skylight, C Series excavators deliver greatly improved visibility over previous generations so operators can see more and worry less.

INDUSTRY-LEADING DISPLAY

Standard on all C Series excavators, a 7-inch full-color, anti-glare HD monitor gives operators access to onboard diagnostics, real-time fuel consumption and an Electronic Pressure Control (EPC) option*. The EPC is a 10-memory recall control that lets you program and store pressure settings for up to 10 hydraulic attachments – no need to look up settings every time. The widescreen monitor also offers side-by-side views when equipped with multiple cameras.

LOW NOISE, LESS VIBRATION

*Optional on CX210C through CX350C

Iso-mount® cushioning gives the C Series one of the quietest cabs in the industry – inside and out – with interior decibels as low as 70 dBA. And with a dramatic reduction in vibration and bouncing, this enhanced system will give your back a break too.

MORE CONTROL

A new joystick with proportional controls is now available, with attachments memory.



HARNESS THE POWER





SHORT-RADIUS EXCAVATORS

CX75C SR | CX145C SR | CX235C SR



MID-SIZED MODELS

CX75C SR | CX80C









BIG-TIME PRECISION SQUEEZED IN

Few excavators can handle confined spaces as deftly as the CX75C SR, CX145C SR and CX235C SR. A high-and-tight counterweight minimizes backend overhang, and the boom is mounted further back to allow for a tighter swing radius. This condenses the overall work envelope to better work in confined spaces while still maintaining the strength and performance of traditional excavators.

SMALLER SIZE, SAME STRENGTHS

In addition to the great features of our full-sized excavators, including intelligent hydraulics, convenient controls and impressive fuel efficiency, the CX75C SR and CX80C mid-sized excavators are designed for heavy-duty tasks in restricted conditions. A short-tail counterweight and the CX80C's front-swing radius reduce the machine's work envelope to under nine-feet wide* for less disruption in confined spaces.

*On CX75C SR

FIRST-IN-CLASS TIER 4 FINAL ENGINE

CASE midis meet Tier 4 Final regulations without the need for a Diesel Particulate Filter (DPF) nor the use of Diesel Exhaust Fluid (DEF), thanks to a unique DOC-only CEGR (Cooled Exhaust Gas Recirculation) system. This highly efficient setup eliminates the need for active regeneration and never needs to be replaced. Simply operate as usual.

SURPRISINGLY BIG COMFORT

The CX75C SR and CX80C cabs have been upgraded to the same size as the CX145C SR and CX235C SR models to give operators plenty of room to work.

OFFSET BOOM OPTION

Perfect for digging alongside walls, working around obstacles and trenching for pipe or utility work, the offset boom option gives the CX75C SR impressive flexibility. With a pivot between the arm and boom, the machine is able to increase its work area without repositioning and provides excellent attachment visibility when side digging.





ATTACHED TO STRENGTH

ARMS FOR ANY APPLICATION

From short arms for faster production cycles to long arms and long reach models that maximize the work envelope, CASE excavators offer several arm lengths and setups to fit varying needs.

CONVENIENT QUICK-COUPLER

An optional hydraulic quick-coupler allows operators to fasten and lock attachments from the safety and comfort of the cab.

FULL LINE OF CASE ATTACHMENTS

CASE offers bucket options to fit any application:

- General Purpose (STDP)
- High Capacity
- Heavy Duty (HDP)
- Rock
- Severe Duty (XPD)
- Thumb

Ditching (DTCH)

Hydraulic Breaker

· Frost Tooth

SMARTFITTM BUCKET TEETH

CASE excavator buckets come standard with the innovative SmartFit bucket tooth system. These heavy-duty, self-sharpening teeth combine exceptional strength and unmatched ease of installation, thanks to a hammerless fastener system with reusable locking pins. Available in a full range of styles.

EVEN MORE OPTIONS

Additional attachments and hydraulic packages, including single, dual-pump or bi-directional flow options, are available. A full-width backfill blade is also available on select models, and the CX210C can be outfitted with a narrow undercarriage configuration. Talk to your CASE dealer for a complete list of excavator attachments and options.







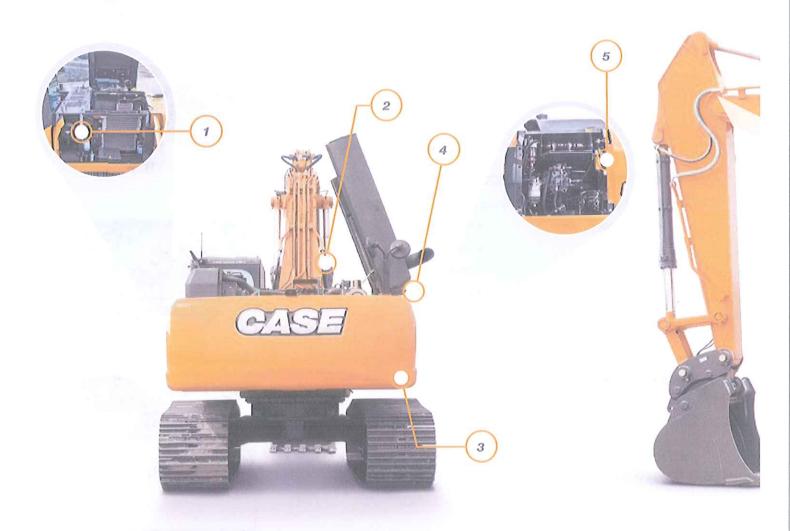




MAINTENANCE MADE EASY

SERVICEABILITY IS IN OUR DNA

When you invest in CASE equipment, you need it to last. We make it simple. CASE excavators are no exception. From ground-level site gauges to grouped service points, you can do daily maintenance in a matter of minutes. It's the easiest way to help you get the most performance and longest life out of your machine.



Easy access to everything

- (1) Engine air filter
- (2) Grouped lubrication points
- (3) Green plug oil drain
- 4 Service points
- (5) Remote oil filter
- (6) Lubricated EMS bushings
- (7) Fuse box
- (8) Cabin air filter

NO TOOLS NECESSARY

CASE excavators continue our hallmark of simple serviceability with features like tool-free access to routine maintenance points.

CASE EASY MAINTENANCE SYSTEM (EMS)

CASE uses stratified bushings and plated pins on most pivot points, which holds grease longer, increases lubrication intervals and prevents rattling.



IMPRESSIVE SERVICE INTERVALS

- Engine oil 500 hours / best in class
- Boom & arm linkage pin grease 1,000 hours
- Hydraulic oil 5,000 hours

SUPPORT COMES STANDARD

BASE & EXTENDED WARRANTY COVERAGE:

1-YEAR/UNLIMITED-HOUR FULL-COVERAGE BASE LIMITED WARRANTY

2-YEAR/2,000-HOUR EXTENDED ENGINE WARRANTY

Discuss the extended engine warranty coverage details with your dealer.

UPTIME SOLUTIONS

Your CASE dealer can provide solutions to meet all your needs and keep you productive.



STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows best how you can maximize your equipment investment and uptime—with genuine CASE parts, expert service and a complete range of product support solutions including CASE remanufactured and all-makes parts. CASE supports better parts availability and faster deliveries through nine parts distribution centers in North America and a forecasting system to ensure that the right parts will be there when you need them. And only CASE dealers have exclusive access to the Electronic Service Tool (EST) that quickly pinpoints machine issues. Just ask your dealer for details.



FLEXIBLE FINANCIAL OPTIONS

Specialized finance programs and flexible leasing packages put you in the driver's seat of industry-leading CASE equipment while nonnesense warranties and comprehensive protection plans ensure that your equipment is protected. As the only finance company dedicated to CASE, we offer strong products and services designed around your unique needs and are the only ones supported by the helpful service professionals at your CASE dealer.

*Please see your CASE dealer for limitations, exclusions and confirmation of policies in effect.





ProCare

GO BIG, WE'VE GOT YOU COVERED

CASE ProCare is the first all-in-one heavy machine support program that's as powerful as the equipment it protects. Best of all, ProCare comes standard on C Series excavators† and keeps you covered for up to three full years. It's the assurance growing businesses need to stay competitive, productive and profitable.

Breakdown Assistance

Standard on all CASE equipment.











3-year/3000-hr. **Full-Machine Factory Limited** Warranty*

for up to three full years!

3-year/3000-hr. Planned Maintenance

CASE-certified scheduled labor included.

3-year Advanced SiteWatch™ Subscription

- and we've made it accessible to all.



STRONGER PRODUCT SUPPORT SOLUTIONS

Your CASE dealer knows best how you can maximize your equipment



REMOTE CONTROL

PLAN FEATURES		BASIC	ADVANCED
Fleet Management	Locating and pinging machines for project management	√,	V,
	Machine hour reporting	V	V
Planned Maintenance	Plan and prepare for maintenance intervals (ordering parts, scheduling)	\checkmark	√
Security	Geofencing: Real-time notification of unplanned movements	V	V
Goodiny	Curfew	V	V
Utilization Analysis & Reporting	Reporting: Machine run times, idle time vs. operation, travel time, machine utilization by location	√	1
Performance Analysis	Engine load data to compare machines and operators to identify operation trends		V
Fuel Info & Reporting	Fuel rate and consumption data to track fuel use for one machine or a fleet		1
Machine Health Parameters	Track machine operating characteristics: Temperatures, pressures, alerts for out-of-range parameters and CAN-bus parameters for diagnostics and troubleshooting		√



Included with ProCare on the CX130C and larger excavators, CASE SiteWatch™ telematics break the boundaries of fleet management by allowing you to monitor and manage multiple machines from your computer, wherever you may be. No more manually tracking down engine hours and fuel levels. Get real-time performance metrics, idle-time analytics, scheduled maintenance intervals and programmable security alerts sent to any computer, anytime, anywhere.



SPECIFICATIONS AND DIMENSIONS

C SERIES EXCAVATORS

SPECIFICATIONS	схвос	CX130C STD LC	CX160C STD LC	CX210C STD LC	CX250C STD LC	CX300C STD LC	CX350G STD LC	CX470C STD LC
Engine	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu	Isuzu
	AP-4LE2X	AP-4JJ1X	AP-4JJ1X	AM-4HK1X	AL-4HK1X	AL-6HK1X	AL-6HK1X	AL-6UZ1X
Net Horsepower – hp (kW)	54 (40)	100 (74.9)	124 (92.2)	160 (119.3)	177 (132.1)	207 (154)	266 (198)	362 (270)
	@ 2000 RPM	@ 2000 RPM	@ 2200 RPM	@ 1800 RPM	@ 2000 RPM	@ 1800 RPM	@ 1900 RPM	@ 2000 RPM
Emissions Certification*	Tier 4 Final	Tier 4 Interim						
	(D0C-Only)	(CEGR/DPF)						
Bucket Digging Force – Ib (kN)	12,792	21,357	26,527	34,171	39,117	42,759	55,843	60,698
	(56.9)	(95.0)	(118.0)	(152.0)	(174.0)	(190.2)	(248.4)	(270.0)
Arm Digging Force – Ib (kN)	8,880	14,837	18,884	24,729	29,000	29,765	34,396	46,311
	(39.5)	(66.0)	(84.0)	(110.0)	(129.0)	(132.4)	(153.0)	(206.0)
Operating Weight – Ib (kg)	18,938	28,600	36,300	47,437	55,336	65,901	79,999	105,299
	(8 590)	(12 973)	(16 465)	(21 517)	(25 100)	(29 892)	(36 287)	(47 763)
Drawbar Pull – Ib (kN)	13,376	36,194	36,194	42,264	45,187	52,380	59,125	76,435
	(59.5)	(161.0)	(161.0)	(188.0)	(201.0)	(233.0)	(263.0)	(340.0)
Swing Speed – RPM	0 - 10.4	0 - 14.3	0 - 11.5	0 - 11.8	0 - 10.6	0 - 10.0	0 - 9.7	0 - 9.1
Maximum Travel Speed – mph (kph)	3.2 (5.1)	3.5 (5.6)	3.4 (5.4)	3.5 (5.6)	3.4 (5.5)	3.4 (5.4)	3.4 (5.4)	3.3 (5.3)
DIMENSIONS	CX80C	CX130C STD LC	CX160C STD LC	CX210C STD LC	CX250C STD LC	CX300C STD LC	CX350C STD LC	CX470C STD LC
Overall Height with Attachment	9 ft 1 in	9 ft 3 in	9 ft 9 in	9 ft 10 in	10 ft 6 in	10 ft 8 in	11 ft 10 in	11 ft 11 in
	(2.76 m)	(2.83 m)	(2.98 m)	(3.00 m)	(3.20 m)	(3.26 m)	(3.62 m)	(3.62 m)
Cab Height	9 ft 1 in	9 ft 3 in	9 ft 9 in	9 ft 10 in	10 ft 0 in	10 ft 3 in	10 ft 2 in	11 ft 3 in
	(2.76 m)	(2.83 m)	(2.98 m)	(2.90 m)	(3.05 m)	(3.12 m)	(3.11 m)	(3.44 m)
Overall Length with Attachment	21 ft 11 in	25 ft 0 in	27 ft 8 in	30 ft 9 in	32 ft 5 in	34 ft 3 in	40 ft 8 in	39 ft 7 in
	(6.68 m)	(7.62 m)	(8.44 m)	(9.38 m)	(9.88 m)	(10.45 m)	(12.40 m)	(12.06 m)
Overall Length	11 ft 2 in	13 ft 2 in	14 ft 6 in	16 ft 3 in	17 ft 3 in	18 ft 4 in	19 ft 9 in	21 ft 2 in
vithout Attachment	(3.41 m)	(4.10 m)	(4.41 m)	(4.96 m)	(5.27 m)	(5.58 m)	(6.01 m)	(6.45 m)
Nidth of Upperstructure	7 ft 5 in	8 ft 4 in	8 ft 4 in	9 ft 1 in	9 ft 1 in	9 ft 6 in	9 ft 11 in	10 ft 0 in
	(2.27 m)	(2.54 m)	(2.54 m)	(2.77 m)	(2.77 m)	(2.89 m)	(3.02 m)	(3.06 m)
Track Overall Length	9 ft 4 in	12 ft 4 in	13 ft 1 in	14 ft 8 in	15 ft 3 in	15 ft 11 in	16 ft 4 in	17 ft 11 in
	(2.85 m)	(3.76 m)	(3.99 m)	(4.47 m)	(4.65 m)	(4.85 m)	(4.98 m)	(5.45 m)
Track Overall Width	7 ft 7 in	8 ft 6 in	8 ft 6 in	10 ft 6 in	11 ft 1 in	11 ft 2 in	11 ft 2 in	12 ft 0 in
	(2.32 m)	(2.59 m)	(2.59 m)	(3.19 m)	(3.39 m)	(3.40 m)	(3.40 m)	(3.65 m)
Track Shoe Width	17.7 in	23.6 in	23.6 in	31.5 in	31.5 in	31.5 in	31.5 in	35.4 in
	(450 mm)	(600 mm)	(600 mm)	(800 mm)	(800 mm)	(800 mm)	(800 mm)	(900 mm)
Upperstructure	2 ft 6 in	2 ft 11 in	3 ft 4 in	3 ft 5 in	3 ft 7 in	3 ft 10 in	4 ft 0 in	4 ft 4 in
Ground Cearance	(0.75 m)	(0.90 m)	(1.02 m)	(1.04 m)	(1.10 m)	(1.18 m)	(1.21 m)	(1.33 m)
Minimum Ground Clearance	14.2 in	17.3 in	17.3 in	17.3 in	18.1 in	18.5 in	18.9 in	21.3 in
	(0.36 m)	(0.44 m)	(0.44 m)	(0.44 m)	(0.46 m)	(0.47 m)	(0.48 m)	(0.54 m)
Rear Tail Swing Radius	5 ft 6 in	7 ft 0 in	8 ft 0 in	9 ft 0 in	9 ft 8 in	10 ft 4 in	11 ft 8 in	12 ft 3 in
	(1.68 m)	(2.13 m)	(2.45 m)	(2.75 m)	(2.95 m)	(3.16 m)	(3.55 m)	(3.73 m)
Maximum Digging Depth	13 ft 9 in	18 ft 2 in	19 ft 11 in	21 ft 10 in	22 ft 8 in	23 ft 4 in	26 ft 8 in	25 ft 4 in
	(4 180 mm)	(5 540 mm)	(6 010 mm)	(6 650 mm)	(6 900 mm)	(7 100 mm)	(8 140 mm)	(7 720 mm)
Maximum Reach @ Ground Level	21 ft 7 in	25 ft 7 in	27 ft 8 in	30 ft 6 in	31 ft 7 in	32 ft 11 in	36 ft 8 in	36 ft 7 in
	(6.58 m)	(7.80 m)	(8.43 m)	(9.30 m)	(9.63 m)	(10,03 m)	(11.17 m)	(11.15 m)
STD Bucket Capacity – yd ^p (m³)	Pin on/ HD Bucket 0.28 - 0.57 (0.21 - 0.44)	HD Bucket 0.32 - 0.96 (0.25 - 0.74)	HD Bucket 0.36 - 1.12 (0.28 - 0.86)	GP Bucket 0.65 - 1.53 (0.50 - 1.17)	GP Bucket 1.26 - 2.93 (0.96 - 2.24)	GP Bucket 1.26 - 2.93 (0.96 - 2.24)	GP Bucket 1.26 - 2.93 (0.96 - 2.24)	HD Bucket 2.03 - 2.63 (1.55 - 2.01)

NOTE: Measurments taken using standard equipment:
*CEGR = Cooled Exhaust Gas Recirculation; DOC = Diesel Oxidation Catalyst; DPF = Diesel Particulate Filter.

SPECIFICATIONS AND DIMENSIONS

C SERIES SHORT-RADIUS EXCAVATORS

B SERIES EXCAVATORS

	O SERIES SHOP	TI-RADIOS EXCAVAI	B SERIES EXCAVATORS		
SPECIFICATIONS	CX75C SR	CX145C SR LC	CX235C SR LC	CX700B HD	CX800B HD
Engine	Isuzu	Isuzu	Isuzu	AH-	AH-
	AP-4LE2X	AP-4JJ1X	AM-4HK1X	6WG1XYSS	6WG1XYSS
Net Horsepower – hp (kW)	54 (40)	100 (74.9)	160 (119.3)	463 (345)	532 (397)
	@ 2000 RPM	@ 2000 RPM	@ 1800 RPM	@ 1800 RPM	@ 1800 RPM
Emissions Certification*	Tier 4 Final (000-0nly)	Tier 4 Interim (CEGR/DPF)	Tier 4 Interim (CEGR/DPF)	Tier 3	Tier 3
Bucket Digging Force – Ib (kN)	12,792	21,357	34,171	71,260	81,156
	(56.9)	(95.0)	(152.0)	(317.0)	(361.0)
Arm Digging Force – Ib (kN)	8,880	14,837	24,729	55,078	67,443
	(39.5)	(66.0)	(110.0)	(245.0)	(300.0)
Operating Weight – lb (kg)	16,380	31,967	55,977	153,400	178,575
	(7 430)	(14 500)	(25 400)	(69 518)	(81 000)
Drawbar Pull – lb (kN)	13,376	26,078	45,187	103,862	127,017
	(59.5)	(116.0)	(201.0)	(462.0)	(565.0)
Swing Speed - RPM	0 - 10.4	0 – 10.6	0 - 11.8	0 - 6.5	0 - 6.4
Maximum Travel Speed – mph (kph)	3.2 (5.1)	3.5 (5.6)	3.1 (5.0)	2.5 (4.1)	2.6 (4.2)
DIMENSIONS	CX75C SR	CX145C SR LC	CX235C SR LC	GX700B HD	CX800B HD
Overall Height with Attachment	9 ft 1 in	9 ft 2 in	10 ft 2 in	14 ft 1 in	15 ft 9 in
	(2.70 m)	(2.80 m)	(3.09 m)	(4.30 m)	(4.81 m)
Cab Height	9 ft 1 in	9 ft 2 in	10 ft 0 in	11 ft 5 in	11 ft 10 in
	(2.76 m)	(2.80 m)	(3.04 m)	(3.48 m)	(3.61 m)
Overall Length with Attachment	18 ft 11 in	24 ft 1 in	29 ft 0 in	43 ft 7 in	47 ft 1 in
	(5.76 m)	(7.35 m)	(8.83 m)	(13.30 m)	(14.36 m)
Overall Length	9 ft 4 in	12 ft 4 in	14 ft 8 in	22 ft 8 in	24 ft 6 in
without Attachment	(2.85 m)	(3.76 m)	(4.47 m)	(6.91 m)	(7.46 m)
Width of Upperstructure	7 ft 5 in	8 ft 2 in	9 ft 10 in	13 ft 1 in	13 ft 11 in
	(2.27 m)	(2.49 m)	(2.99 m)	(3.99 m)**	(4.25 m)
Track Overall Length	9 ft 4 in	12 ft 4 in	14 ft 8 in	19 ft 3 in	20 ft 10 in
	(2.85 m)	(3.76 m)	(4.47 m)	(5.88 m)	(6.36 m)
Track Overall Width	7 ft 7 in	8 ft 6 in	10 ft 6 in	13 ft 7 in	14 ft 4 in
	(2.32 m)	(2.59 m)	(3.19 m)	(4.15 m)	(4.36 m)
Track Shoe Width	17.7 in	23.6 in	31.5 in	35.5 in	29.5 in
	(450 mm)	(600 mm)	(800 mm)	(900 mm)	(750 mm)
Jpperstructure	2 ft 6 in	2 ft 11 in	3 ft 4 in	4 ft 11 in	5 ft 3 in
Ground Cearance	(0.75 m)	(0.88 m)	(1.02 m)	(1.51 m)	(1.59 m)
Minimum Ground Clearance	14.2 in	17.3 in	17.3 in	32 in	35 in
	(0.36 m)	(0.44 m)	(0.44 m)	(0.83 m)	(0.89 m)
Rear Tail Swing Radius	4 ft 3 in	5 ft 1 in	5 ft 8 in	13 ft 2 in	14 ft 1 in
	(1.29 m)	(1.55 m)	(1.72 m)	(4.00 m)	(4.30 m)
Maximum Digging Depth	13 ft 7 in	18 ft 1 in	21 ft 10 in	27 ft 7 in	28 ft 6 in
	(4 130 mm)	(5 510 mm)	(6 650 mm)	(8 400 mm)	(8 690 mm)
Maximum Reach @ Ground Level	19 ft 5 in	25 ft 6 in	30 ft 3 in	40 ft 4 in	43 ft 3 in
	(5.92 m)	(7.77 m)	(9.22 m)	(12.6 m)	(13.18 m)
GTD Bucket Capacity – yd³ (m³)	Pin on/ HD Bucket 0.21 - 0.57 (0.16 - 0.44)	HD Bucket 0.43 - 0.83 (0.33 - 0.64)	GP Bucket 0.65 - 1.53 (0.50 - 1.17)	HD Bucket 2.53 - 5.91 (1.93 - 4.25)	HD Bucket 2.53 - 5.91 (1.93 - 4.25)

NOTE: Measuments taken using standard equipment.

*CEGR = Cooled Exhaust Gas Recirculation; DOC = Diesel Oxidation Catalyst, DPF = Diesel Particulate Filter.

*Width includes catwalks.



BUILDING A STRONG CASE

Since 1842, we at CASE Construction Equipment have lived by an unwavering commitment to build practical, intuitive solutions that deliver both efficiency and productivity. We continually strive to make it easier for our customers to implement emerging technologies and new compliance mandates.

Today, our global scale combined with our local expertise enables us to keep customers' real-world challenges at the center of our product development. This focus has led to numerous innovations like Ride Control™, EZ-EH controls, blade shake, PowerLift™, over-center boom design and the peace of mind that only CASE ProCare provides.

Every CASE machine is backed by more than 350 North American dealer locations, thousands of OEM, remanufactured and Gold Value™ parts, and flexible financing and insurance options that provide the kind of reliable, steadfast support you expect from a professional partner.

We are passionate about improving the lives of others, whether investing in our veterans or raising awareness about local infrastructure initiatives through Dire States. Our goal is to build both stronger machines - and stronger communities.

At the end of the day, we do what's right by our customers and our communities so that they can count on CASE.

CaseCE.com/CExcavator

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Form No. CCE201605CEXC Replaces Form No. CCE201404EXC IMPORTANT: CASE Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your CASE dealer/distributor will be able to give you details of the products and their specifications available in your area.



CASE Construction Equipment is biodiesel-friendly.

NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



SAFETY* Always read the Operator's Manual before operating equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.



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SPECIFICATIONS AND DIMENSIONS

C SERIES SHORT-RADIUS EXCAVATORS

B SERIES EXCAVATORS

SPECIFICATIONS		CX145C SR LC	CX235C SR LC	CX700B HD	CX800B HD
Engine	Isuzu	Isuzu	Isuzu	AH-	AH-
	AP-4LE2X	AP-4JJ1X	AM-4HK1X	6WG1XYSS	6WG1XYSS
Net Horsepower – hp (kW)	54 (40)	100 (74.9)	160 (119.3)	463 (345)	532 (397)
	@ 2000 RPM	@ 2000 RPM	@ 1800 RPM	@ 1800 RPM	@ 1800 RPM
Emissions Certification*	Tier 4 Final (DOC-Only)	Tier 4 Interim (CEGR/DPF)	Tier 4 Interim (CEGR/DPF)	Tier 3	Tier 3
Bucket Digging Force – Ib (kN)	12,792	21,357	34,171	71,260	81,156
	(56.9)	(95.0)	(152.0)	(317.0)	(361.0)
Arm Digging Force – lb (kN)	8,880	14,837	24,729	55,078	67,443
	(39.5)	(66.0)	(110.0)	(245.0)	(300.0)
Operating Weight – lb (kg)	16,380	31,967	55,977	153,400	178,575
	(7 430)	(14 500)	(25 400)	(69 518)	(81 000)
Drawbar Pull – lb (kN)	13,376	26,078	45,187	103,862	127,017
	(59.5)	(116.0)	(201.0)	(462.0)	(565.0)
Swing Speed – RPM	0 - 10.4	0 - 10.6	0 - 11.8	0-6.5	0 - 6.4
Maximum Travel Speed – mph (kph)	3.2 (5.1)	3.5 (5.6)	3.1 (5.0)	2.5 (4.1)	2.6 (4.2)
DIMENSIONS	CX75C SR	CX145C SR LC	CX235C SR LC	CX700B HD	CX800B HD
Overall Height with Attachment	9 ft 1 in	9 ft 2 in	10 ft 2 in	14 ft 1 in	15 ft 9 in
	(2.70 m)	(2.80 m)	(3.09 m)	(4.30 m)	(4.81 m)
Cab Height	9 ft 1 in	9 ft 2 in	10 ft 0 in	11 ft 5 in	11 ft 10 in
	(2.76 m)	(2.80 m)	(3.04 m)	(3.48 m)	(3.61 m)
Overall Length with Attachment	18 ft 11 in	24 ft 1 in	29 ft 0 in	43 ft 7 in	47 ft 1 in
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Overall Length	9 ft 4 in	12 ft 4 in	14 ft 8 in	22 ft 8 in	24 ft 6 in
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Width of Upperstructure	7 ft 5 in	8 ft 2 in	9 ft 10 in	13 ft 1 in	13 ft 11 in
	(2.27 m)	(2.49 m)	(2.99 m)	(3.99 m)**	(4.25 m)
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Minimum Ground Clearance	14.2 in	17.3 in	17.3 in	32 in	35 in
	(0.36 m)	(0.44 m)	(0.44 m)	(0.83 m)	(0.89 m)
Rear Tail Swing Radius	4 ft 3 in	5 ft 1 in	5 ft 8 in	13 ft 2 in	14 ft 1 in
	(1.29 m)	(1.55 m)	(1.72 m)	(4.00 m)	(4,30 m)
Naximum Digging Depth	13 ft 7 in	18 ft 1 in	21 ft 10 in	27 ft 7 in	28 ft 6 in
	(4 130 mm)	(5 510 mm)	(6 650 mm)	(8 400 mm)	(8 690 mm)
Maximum Reach @ Ground Level	19 ft 5 in	25 ft 6 in	30 ft 3 in	40 ft 4 in	43 ft 3 in
	(5.92 m)	(7.77 m)	(9.22 m)	(12.6 m)	(13.18 m)
STD Bucket Capacity – yd³ (m²)	Pin on/ HD Bucket 0.21 - 0.57 (0.16 - 0.44)	HD Bucket 0.43 - 0.83 (0.33 - 0.64)	GP Bucket 0.65 - 1.53 (0.50 - 1.17)	HD Bucket 2.53 - 5.91 (1.93 - 4.25)	HD Bucket 2.53 - 5.91 (1.93 - 4.25)

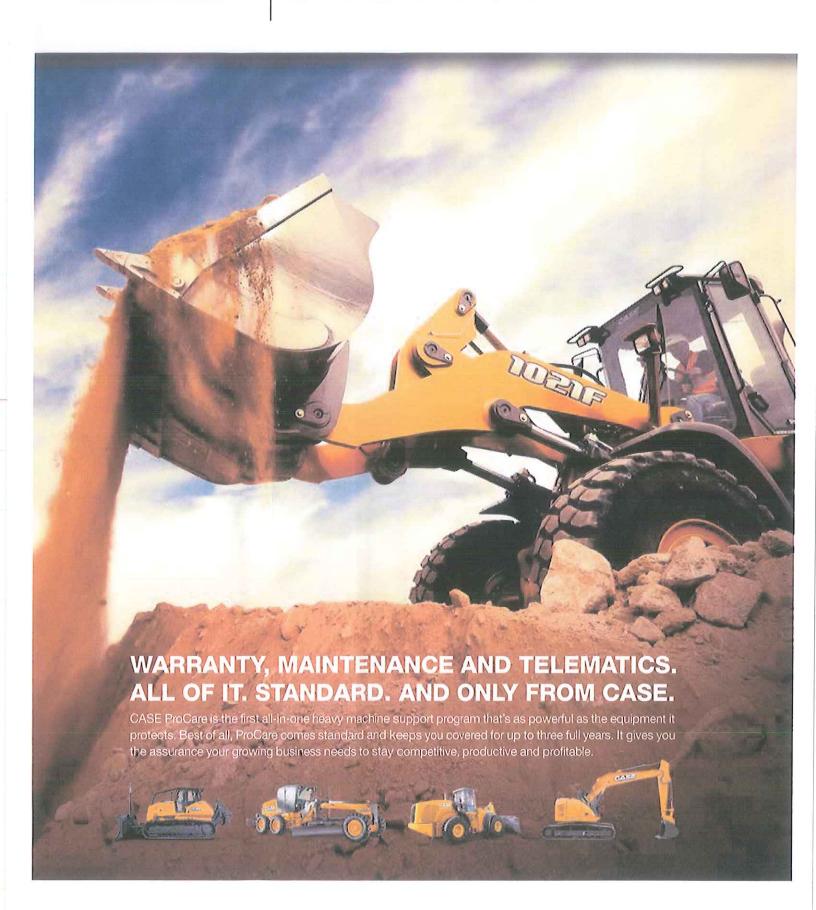
NOTE: Measurments taken using standard equipment.

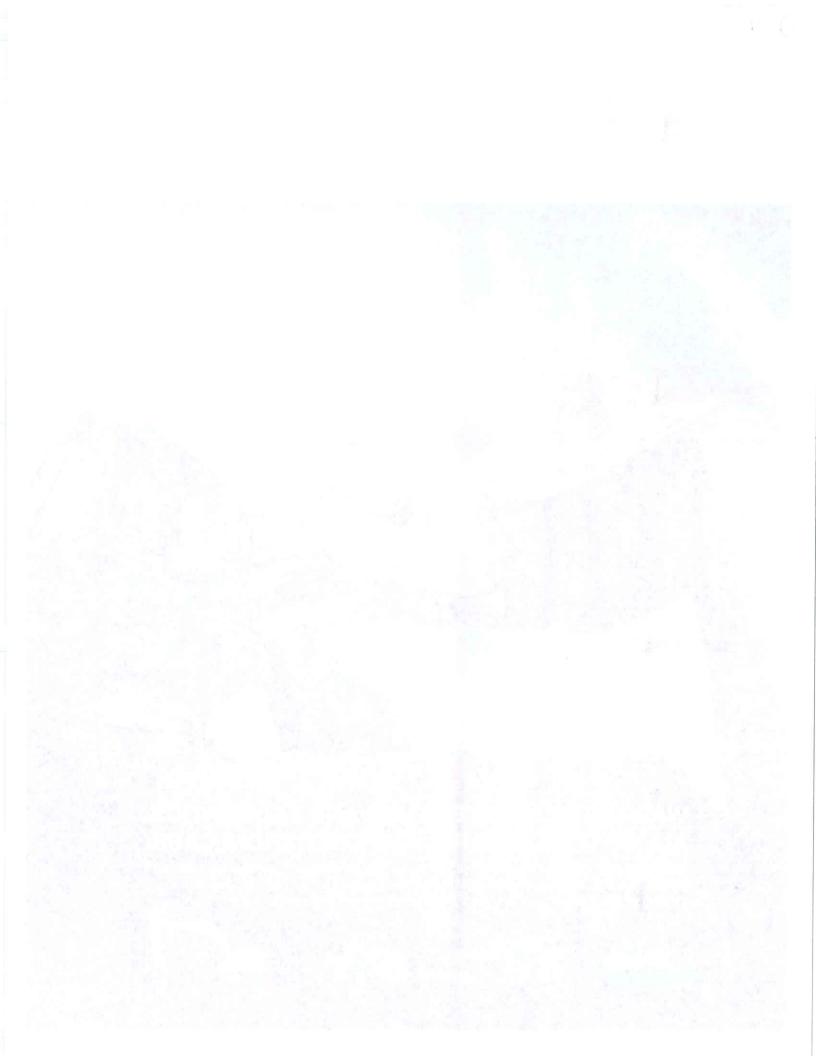
*CEGR = Cooled Exhaust Gas Recirculation; DOC = Diesel Oxidation Catalyst; DPF = Diesel Particulate Filter.

*Width includes catwalks.



ProCare







THE MOST COMPLETE MAINTENANCE AND HEAVY MACHINE SUPPORT IN THE INDUSTRY, PERIOD.











3-year / 3000-hr.

Full-machine Factory Warranty

We've got your back.

The ProCare package starts with industry-leading, comprehensive warranty coverage that frees you to use your CASE equipment like it's meant to be used. So don't hold back, go big. We've got you covered.

- · Industry-leading coverage
- · Worry-free ownership

3-year / 3000-hr.

Planned Maintenance

Know your costs upfront.

With factory-trained CASE technicians taking care of your scheduled service, you get more than peak performance. You get fixed maintenance costs that help you budget better throughout the life of your machine.

- · Reduced ownership costs
- · Application and technical support
- Maximized uptime

3-year

Advanced SiteWatch™ Subscription

Remote, Control.

Break the boundaries of fleet management with CASE SiteWatch telematics. Get real-time performance metrics, idle-time analytics, scheduled maintenance intervals and programmable security alerts sent to any computer, anytime, anywhere.

- Machine tracking
- Maintenance reminders
- Customized reporting

CASE ProCare comes standard on new heavy machine orders. See your dealer for availability.

The ProCare Competitive Advantage.

	Full-Machine Factory Warranty	Planned Maintenance	Telematics
CASE ProCare	3-yr/3000-hr Full-Machine	3-yr/3000-hr Planned Maintenance	3-yr SiteWatch Subscription
Caterpillar	1-yr Full-Machine	Optional Feature at Additional Cost	5-yr Product Link
Komatsu	1-yr Full-Machine	3-yr/2000-hr Komatsu Care	Komtrax Included
Deere	1-yr Full-Machine	Optional Feature at Additional Cost	3-yr JDLink ¹
Volvo	1-yr/2500-hr Full-Machine	Optional Feature at Additional Cost	3-yr Care Track

'Limited heavy excavator and wheel loader models have a 5-yr plan

Based on manufacturer published information at the time of print.

Any competitors' names, brands and/or logos referred to herein are the trademarks of those respective companies.





Visit CaseCE.com/ProCare



'See CNH Warranty and Limitation of Liability for complete terms and limits of warranty. CASE ProCare comes standard on new heavy machine orders.

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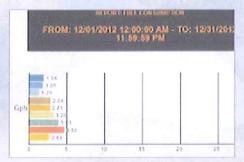


Remote. Control.

CASE SiteWatch™ telematics breaks the boundaries of fleet management by allowing you to monitor and manage multiple machines and jobsites from your office, wherever that may be. No more manually tracking down engine hours and fuel levels. Get vital machine performance, location and utilization data remotely sent to you in real time, all the time, to keep crews accountable and projects running efficiently.

INCREASED PRODUCTIVITY

Idle time burns, working time earns. SiteWatch provides real-time analytics to make it easy for you to track, measure and manage engine idle time, fuel levels and machine performance throughout the workday. It allows you to address inefficiencies and cut down on operating costs.



Analyze fuel use and performance

ACCURATE JOB COSTING

Accurate tracking of machine usage and performance is key to reliable forecasting and bids. SiteWatch makes it simple to get a detailed picture of your fleet's capabilities and minimizes manual data entry so you can allocate your resources more effectively.

[compress]	face	Action Legion Person	Actual for contrast	EES Tack Level (%)	Engine Cooked Terru
W. 0011630649 (1217	03/54/2013/0.	4 0000	00000	79.2500	36.2
WL SEEKS 868 11207	030400138	F 8000	20000	\$8,000	36
WC 0011030000 1121F	83/04/05/15	22 9330	2,79805	590 5000	1366
W. 0011030609 1121F	93/04/2012 0	18,0000	2,19648	190 1000	1954
WC-0011632183,1321F	13/04/01/12 0	15,0000	1209	99.6000	345.6
W. BERTHEFTER LIGHT	03/04/2012 0	14 0000	1,270%	19.500	5654
W. 0011037193 13217	85/04/2013 8	21,0000	2,0004	19,2000	127.0
W. (01902/03 000)	03/04/00/13 1	45 5000	83000	MI 8000	100.0
W. 0011897193 1921F	03/04/2013/1:	29 0000	42004	M 0000	100.0
W. 0011017133 13017	00040013/1	29,0000	4 91243	M 5000	1852

Get operation details from the machine

CUSTOMIZED DATA

SiteWatch monitors 12 parameters (8 customizable) – more than any other competitive solution.

DEPENDABLE SECURITY



Protect your fleet with features such as machine curfew, geofencing and motion detection one of the only services that tracks machine movement even when the machine is turned off. Not only will SiteWatch send text or email messages whenever unauthorized usage or movement occurs, but if a machine does leave the premises, the system can aid in tracking and recovery as well.



Locate your machines and receive alerts

580

SIMPLIFIED MAINTENANCE



Stay a step ahead of machine maintenance. Track maintenance history, set automatic alerts and have reminders sent via text, email or both to you and your dealer. It gives your team time to prepare and you one less thing to remember.

FLEXIBLE REPORTING

Have up-to-the-minute spreadsheets at the ready and customize the information received to meet your needs. Plus, the SiteWatch application programming interface (API) enables you to aggregate data from several telematics systems into a single database for simple, mixed-fleet data management.



Compare how your machines are being used

PROACTIVE DEALER SUPPORT



With SiteWatch, your CASE dealer is also able to monitor your fleet and receive equipment alerts. This enables them to help diagnose issues remotely, minimize service response time, pinpoint part needs and give you some extra backup to oversee your operation.

EFFICIENT UTILIZATION



Get the most from your fleet and offset rental costs by identifying under- or over-used machines. Improve job assignment effectiveness and make informed adjustments of equipment or crew as needed.



Check machine utilization around the site

Run your operation from any location.

Experience the ultimate in remote fleet management with CASE SiteWatch. You get real-time performance metrics, idle-time analytics, scheduled maintenance intervals and programmable security alerts sent to any computer, anytime, anywhere.

SiteWatch is available in two convenient subscriptions – Basic and Advanced. Talk to your CASE dealer to see which subscription is right for your business needs.

	PLAN FEATURES	BASIC	ADVANCED
Fleet	Locating and pinging machines for project management	1	✓
Management	Machine hour reporting	1	✓
Planned Maintenance	Plan and prepare for maintenance intervals (ordering parts, scheduling)	1	1
A Security	Geofencing: Real-time notification of unplanned movements	1	√
Security	Curfew	1	V
Utilization Analysis & Reporting	Reporting: Machine run times, idle time vs. operation, travel time, machine utilization by location	1	1
Performance Analysis	Engine load data to compare machines and operators to identify operation trends		1
Fuel Info & Reporting	Fuel rate and consumption data to track fuel use for one machine or a fleet		1
Machine Health Parameters	Track machine operating characteristics: Temperatures, pressures, alerts for out-of-range parameters and CAN-bus parameters for diagnostics and troubleshooting		1







See SiteWatch in action:



Visit CaseCE.com/SiteWatch



CX80C

EXCAVATOR – SWING BOOM TIER 4 FINAL CERTIFIED

ENGINE

Model	Isuzu AP-4LE2X, Tier 4 Final Certified
Туре	Water-cooled, 4-cycle. Turbo-charged w/ air-cooled intercooler w/ DOC
Cylinders	4-cylinder in-line
Displacement	133 in³ (2,2 L)
Bore/Stroke	3.35 x 3.78 in (85 x 96 mm)
Fuel injection	Direct injection - electronic
Fuel filter	Replaceable, full flow spin-on cartridge
Air filter	Dry type element w/ warning indicator
Oil filter	Replaceable, full flow spin-on cartridge
Engine oil operati	ng angle ratings:
Side-to-side	Rated 35°
Fore and aft	Rated 35°
Net horsepower (2000 RPM – SAE J1349: 55.2 hp (41.2 kW)
Net max. torque @	1800 RPM - SAE J1349: 147 lb·ft (199 N·m)

POWERTRAIN

Cooling

Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc - each motor
Travel speeds:	
	Forward/Reverse
Low	2.1 mph (3.3 kph)
High	3.2 mph (5.1 kph)
Gradeability	70% (35°)
Drawbar pull	13,300 lb (59.2 kN)

110° to -13° F (43° to -25° C) @ 55% concentration

ELECTRICAL

24 Volts			
50 amp			
2 x 12 Volt			
64 Ah/5 hour			
24 Volt			
70 watt			
70 watt			

OPERATOR ENVIRONMENT

FOPS Level 1 cab top guard; Pressurized cab; One-touch lock front window; AC/heat/defrost w/ auto climate control; 6 watt interior dome light; Mechanical-suspension cloth seat; Adjustable armrests; Low-effort joystick controls; Controls pre-wired for auxiliary; Blade control lever; AM/FM radio w/ antenna and 2 speakers; Anti-theft start code system; Rubber floor mat; 12-volt electric socket; 24-volt cigarette lighter; External rear view mirrors; Windshield wiper/washer; Cup holder; Storage compartments; Travel alarm w/ cancel switch; One key start and lock-up; Built-in full-color LCD monitor; Safety glass for all windows; Polycarbonate roof hatch.

Air conditioner output	13,490 B	TU/hr
Heater output	12,900 B	TU/hr
Sound level inside cab - ISO	06395 73	0 dBa

OPERATING WEIGHT

Operating weight	18,800 lb (8510 kg)
w/ shoes	1 ft 6 in (0.45 m)
w/ boom	11 ft 6 in (3.50 m)
w/ arm	5 ft 7 in (1.69 m)
w/ bucket	460 lb (210 kg)
w/ dozer blade	7 ft 7 in (2,32 m)
w/ counterweight	2,430 lb (1100 kg)
w/ operator/full fuel/s	

HVDRAULICS

HYDRAULICS	î .
System design	Open center
	wo variable displacement/ ston w/ regulating system
Max. rated flow	2 x 1,936 gpm (2 x 74 L/min)
System pressures:	
Boom, arm and bud Travel circuits Swing circuits	ket 4,264 psi (294 bar) 4,264 psi (294 bar) 3,278 psi (226 bar)
Pilot pump Max. capacity	1 x gear design 4.8 gpm (18 L/min)
Controls w/ Right track travel, bucket, boom and arm acceleration.	/ boom/arm holding valve Four-spool valve
Left track travel, auxiliary, swing, boom acceleration.	Five-spool valve
Swing motor	Fixed displacement axial piston
Swing final drive	Planetary gear reduction
Travel motor	Two-speed independent travel/axial piston

PRELIMINARY

HYDRAULICS (cont.)

Boom cylinder	One (1)
Bore diameter	4.5 in (115 mm)
Rod diameter	3.0 in (75 mm)
Stroke	33.5 in (850 mm)
Arm cylinder	One (1)
Bore diameter	3.9 in (100 mm)
Rod diameter	2.6 in (65 mm)
Stroke	29.7 in (755 mm)
Bucket cylinder	One (1)
Bore diameter	3.3 in (85 mm)
Rod diameter	2.2 in (55 mm)
Stroke	26.2 in (665 mm)

SERVICE CAPACITY

Fuel tank	31.7 gal (120 L)			
Hydraulic system Hydraulic sump tank	25.4 gal (96.3 L) 31.7 gal (51 L)			
Engine oil w/ filter	3.0 gal (11.5 L)			
Swing drive	2.58 gal (9.7 L)			
Final drive – each side	0.3 gal (1.1 L)			
Cooling system	3.2 gal (12.2 L)			

OTHER SPECIFICATIONS

Swing speed	0 – 9.5 RPM
Swing torque	12,500 lb·ft (17 000 N·m)
Swing brake	Mechanical disc
Undercarriage: Carrier rollers Track rollers	1 per side 5 per side
Shoes – triple semi-gr Shoe width – std. Link pitch	rouser 39 per side 17.7 in (450 mm) 6.1 in (154 mm)
Track: Chain (Adjustment	Grease lubricated/strutted Hydraulic
Boom	11 ft 6 in (3.50 m)
Arm options	5 ft 7 in (1.69 m) 6 ft 11 in (2.12 m)

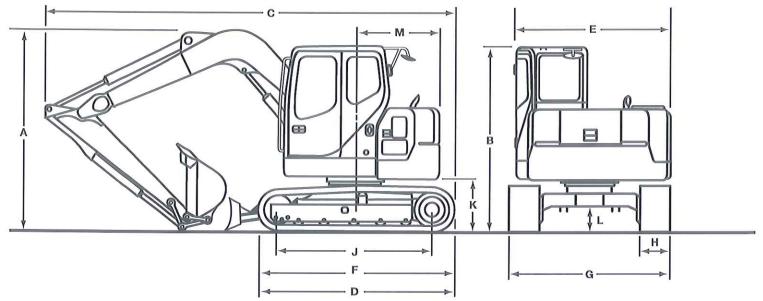
LIFT CAPACITIES

5 ft 7 in (1.69 m) Arm Lift capacities calculated using a 460 lb (210 kg) bucket, 2,430 lb (1100 kg) counterweight operating in "Standard" Mode, blade down.

Load (Lift Point) Height	5 ft (1,52 m)		10 ft (3.05 m)		15 ft (5.57 m)		20 ft (6.10 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	0	END	SIDE
+15 ft (4.57 m)					3,700 lb (1678 kg)	3,700 lb (1678 kg)			14 ft 10 in (4.52 m)	3,650 lb (1656 kg)	3,650 lb (1656 kg)
÷10 ft (3.05 m)					4,400 lb (1996 kg)	3,950 lb (1792 kg)	3,800 lb (1724 kg)	2,450 lb (1111 kg)	10 ft 10 in (3.30 m)	4,850 lb (2200 kg)	4,850 lb (2200 kg)
+5 ft (1.52 m)			10,050 lb (4559 kg)	6,850 lb (3107 kg)	6,050 lb (2744 kg)	3,700 lb (1678 kg)	4,400 lb (1996 kg)	2,350 lb (1066 kg)	8 ft 11 in (2.72 m)	5,100 lb (2313 kg)	5,100 lb (2313 kg)
Ground- line			8,700 lb (3946 kg)	6,400 lb (2903 kg)	6,900 lb (3130 kg)	3,500 lb (1588 kg)	4,650 lb (2109 kg)	2,250 lb (1021 kg)	6 ft 10 in (2,08 m)	4,050 lb (1837 kg)	4,050 lb (1837 kg)
-5 ft (-1.52 m)	7,350 lb (3334 kg)	7,350 lb (3334 kg)	11,700 lb (5307 kg)	6,500 lb (2948 kg)	6,700 lb (3039 kg)	3,450 lb (1565 kg)			3 ft 3 in (0.99 m)	6,200 lb (2812 kg)	6,200 lb (2812 kg)
-10 ft (-3.05 m)			8,450 lb (3833 kg)	6,650 lb (3016 kg)					5 ft 6 in (1.68 m)	12,750 lb (5783 kg)	12,750 lb (5783 kg)

6 ft 11 in (2.12 m) Arm Lift capacities calculated using a 420 ib (191 kg) bucket, 2,430 ib (1100 kg) counterweight operating in "Standard" Mode, blade down.

Load (Lift Point) Height				0 ft 15 ft 05 m) (5.57 m)		20 ft (6.10 m)		MAXIMUM REACH			
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	6	END	SIDE
+15 ft (4.57 m)									20 ft 9 in (6.32 m)	2,703 lb (1266 kg)	2,253 lb (1022 kg
+10 ft (3.05 m)					2,903 lb (1317 kg)	2,903 lb (1317 kg)	3,203 lb (1453 kg)	2,302 lb (1044 kg)	22 ft 11 in (6.98 m)	2,803 lb (1271 kg)	1,802 lb (817 kg)
+5 ft (1.52 m)			7,303 lb (3312 kg)	6,602 lb (2995 kg)	4,503 lb (2042 kg)	3,502 lb (1589 kg)	3,703 lb (1679 kg)	2,202 lb (999 kg)	23 ft 7 in (7.18 m)	3,053 lb (1385 kg)	1,652 lb (749 kg)
Ground- line			9,803 lb (4446 kg)	6,002 lb (2723 kg)	6,103 lb (2768 kg)	3,252 lb (1475 kg)	4,353 lb (1974 kg)	2,102 lb (954 kg)	22 ft 8 in (6,90 m)	3,553 lb (1611 kg)	1,752 lb (795 kg)
-5 ft (-1.52 m)			12,203 lb (5535 kg)	5,902 lb (2677 kg)	6,753 lb (3063 kg)	3,152 lb (1430 kg)	4,503 lb (2042 kg)	2,052 lb (931 kg)	20 ft 1 In (6.12 m)	4,353 lb (1974 kg)	2,102 lb (954 kg)
-10 ft (-3.05 m)			10,803 lb (4900 kg)	6,052 lb (2745 kg)	6,053 lb (2745 kg)	3,252 lb (1475 kg)					

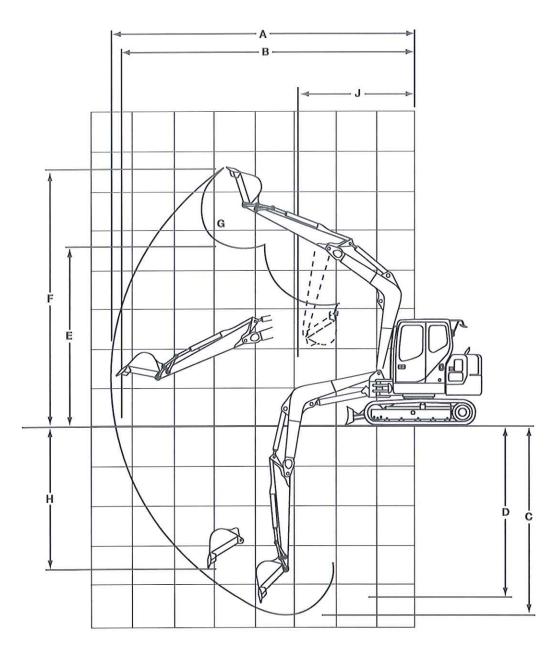


Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIVIENSIONS

	5 ft 7 in (1.69 m) Arm	6 ft 11 in (2.12 m) Arm
A. Overall height	9 ft 1 in (2.76 m)	8 ft 10 in (2.70 m)
B. Cab height	9 ft 1 in (2.76 m)	8 ft 10 in (2.70 m)
C. Overall length with attachment	21 ft 11 in (6.68 m)	22 ft 1 in (6.74 m)
D. Overall length without attachment	12 ft 0 in (3.67 m)	10 ft 9 in (3.28 m)
E. Width of upperstructure	7 ft 5 in (2.27 m)	7 ft 4 in (2.23 m)
F. Track overall length	9 ft 4 in (2.85 m)	9 ft 4 in (2.85 m)
G. Track overall width with 1 ft 6 in (0.45 m) shoes	7 ft 7 in (2.32 m)	7 ft 7 in (2.32 m)
H. Track shoe width	1 ft 6 in (0.45 m)	1 ft 6 in (0.45 m)
Track gage	6 ft 2 in (1.87 m)	6 ft 6 in (1.99 m)
J. Center to center – idler to sprocket	7 ft 3 in (2.21 m)	7 ft 3 in (2.21 m)
K. Upperstructure ground clearance	2 ft 6 in (0.75 m)	2 ft 5 in (0.75 m)
L. Minimum ground clearance	1 ft 2 in (0.36 m)	1 ft 2 in (0.36 m)
M. Rear tail swing radius	5 ft 7 in (1.69 m)	5 ft 5 in (1.66 m)
Dozer blade width	7 ft 7 in (2.32 m)	7 ft 7 in (2.32 m)
Dozer blade height	1 ft 6 in (0.45 m)	1 ft 6 in (0.45 m)
Operating weight*	18,800 lb (8510 kg)	18,915 lb (8580 kg)
Ground pressure	5.51 psi (0.38 bar)	5,51 psi (0,38 bar)

^{*}With 1 ft 6 in (0.45 m) track shoe, 460 lb (210 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



Line drawings are for illustrative purpose only and may not be exact representation of unit.

PERFORMANCE SPECS

	5 ft 7 in (1.69 m) Arm	6 ft 11 in (2.12 m) Arm
A. Maximum dig radius	23 ft 3 in (7.09 m)	24 ft 3 in (7.40 m)
B. Dig radius at groundline	22 ft 9 in (6.94 m)	23 ft 10 in (7.27 m)
C. Maximum dig depth	13 ft 9 in (4.18 m)	15 ft 1 in (4.59 m)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	12 ft 6 in (3.81 m)	13 ft 11 in (4.23 m)
E. Dump height	16 ft 6 in (5.04 m)	15 ft 1 in (4.60 m)
F. Overall reach height	21 ft 7 in (6.57 m)	21 ft 8 in (6.60 m)
G. Bucket rotation	177°	177°
H. Vertical straight wall dig depth	11 ft 0 in (3.35 m)	11 ft 8 in (3.55 m)
J. Minimum swing radius	9 ft 2 in (2.79 m)	9 ft 7 in (2.91 m)
Arm digging force	8,880 lb (39.5 kN)	7,644 lb (34.0 kN)
Bucket digging force*	12,800 lb (56.9 kN)	12,792 lb (56.9 kN)
Dozer blade cutting edge:		
Maximum height	1 ft 5 in (0.44 m)	1 ft 4 in (0.41 m)
Maximum depth	11 in (0.28 m)	8 in (0.20 m)

^{*}Digging force ratings based on ISO6015.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

Isuzu four-cylinder turbo-charged diesel

Certified Tier 4 Final

Electronic fuel injection

Neutral safety start

Auto-engine warm up

Glow-plug pre-heat

One-touch idle

Dual-stage fuel filtration

Dual element air filter

Remote oil filter

Green plug oil drain

500-hour engine oil change interval

24-volt system

Color LCD monitor

HYDRAULICS

ISO pattern controls

5,000 hour hydraulic oil change interval

1,000 hour hydraulic filter change interval

SAHR brake

Three (3) work mode settings

UPPER STRUCTURE

Right and left side mirrors

Isolation mounted cab - fluid

Common key vandal locks

Upper mounted work light - 70 watt

Cab mounted work light - 70 watt

Swivel guard belly pan

UNDERCARRIAGE

1 ft 6 in (0.45 m) steel shoes, triple

semi-grouser

Full overlap turntable bearing tub

Front track chain guides

Hydraulic track adjustment

X-pattern carbody

FRONT BLADE

Hydraulically controlled front blade: 7 ft 7 in (2.31 m) width

1 ft 6 in (0.45 m) height

ATTACHMENT

Boom

Arm - 5 ft 7 in (1.69 m)

Boom mounted work light - 70 watt

Attachment cushion valve

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Control pattern selector

FOPS cab top guard - Level 2

Front grill guard - 2 x 2 screen mesh

Front rock guard:

Vertical bars - fixed/one piece/OPG 2

Rear camera

HYDRAULICS

Auxiliary hydraulics

Single acting

Double acting

Proportional controls

UNDERCARRIAGE

23.6 in (600 mm) steel shoes, triple semi-grouser*

1 ft 6 in (0.45 m) rubber pads bolted to

standard rail

*Note: blade will not fully cover 23.6" shoe

ATTACHMENT

Arm 6 ft 11 in (2.12 m)

Coupler/Case multi-pin grabber

Heavy-duty bucket

BUCKETS/CASE COUPLER

Application	Width	SAE Heaped Capacity
Pin on/heavy-duty	18 in (457 mm) to 42 in (1067 mm)	0.28 yd³ to 0.57 yd³
Coupler/heavy-duty	18 in (457 mm) to 42 in (1067 mm)	0.24 yd³ to 0.59 yd³
Case multi-fit coupler	_	

CASE Customer

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: Case Construction Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Inc. does not warrant the safety or reliability of attachments from other manufacturers.

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All Case construction equipment is biodiesel ready.

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PRELIMINARY

CX130D

BLADE

TIER 4 FINAL CERTIFIED





ENGINE	
Model	lsuzu AR-4JJ1X Cooled EGR
Emissions Certifica	tion Tier 4 Final
Fuel	Requires ultra-low sulfur fuel B5 biodiesel tolerant
Type high	Water-cooled, 4-cycle, pressure common rail system Turbocharger w/ air cooled intercooler, SCR system
Cylinders	4-cylinder in-line
Displacement	183 in ³ (3 L)
Bore/Stroke	3.8 x 4.1 in (95.4 x 104.9 mm)
Fuel injection	Direct injection - electronic
Fuel filter	Replaceable, full flow spin-on cartridge
Air filter w	Dry type element / warning restriction indicator
Oil filter	Replaceable, full flow spin-on cartridge
Engine gradeability Side-to-side Fore and aft	: 35° 35°
Net horsepower - S	SAE J1349 @ 2000 RPM: 102 hp (76.4 kW)
Net max. torque - S	SAE J1349 @ 1600 RPM: 257 lbf·ft (349 N·m)
Cooling operating r	range: 109° to -13°F (43° to -25°C)
Oil	Requires low-ash oil CJ-4
DRIVETRAIN	
Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc - each motor
Two speed travel:	2 E mala /E C loss/la)

3.5 mph (5.6 km/h)

2.1 mph (3.4 km/h)

26,100 lbf (116 kN)

70% - 35° Slope

Max. high speed

Max. low speed

Drawbar pull

Gradeability

Automatic downshift

ELECTRICAL	
Voltage	24 Volts
Alternator rating	50 amp
Batteries	2 x 12 Volt
Battery reserve capacity Work lights – 4	72 Ah/5 hour 24 Volt/70 watt
1 boom, 1 upper, 2 cab	24 VOI070 Watt

Air conditioner output	18,100 BTU/h
Heater output	20,150 BTU/h
Sound level inside cab - ISO6395	5 70 dBA
Electrical outlet	12 Vol
Cab interior light	10 wat
Rear view camera	Standard

ATTACHMENT			
Boom	15 ft 2 in (4 630 mm)		
Arm options	8 ft 2 in (2.5 m)		
Bucket digging force	20,200 lbf (90 kN)		
w/ auto power up	21,400 lbf (95 kN)		
NOTE: *Digging force ratio	ngs based on ISO6015.		

OPERALING WEIGHT	
Operating weight	30,400 lb (13 800 kg)
w/ shoes	2 ft 0 in (600 mm)
w/ boom	15 ft 2 in (4 630 mm)
w/ arm	8 ft 2 in (2.5 m)
w/ bucket	882 lb (400 kg)
w/ counterweight	4,385 lb (1 990 kg)
w/ blade	8 ft 6 in (2 590 mm)

NOTE: W/ operator/full fuel/standard equipment.

GROUND PRESSURE

@ Standard operating weight 5.4 psi (0.37 bar) w/ 23.6 in (600 mm) triple semi-grouser shoes

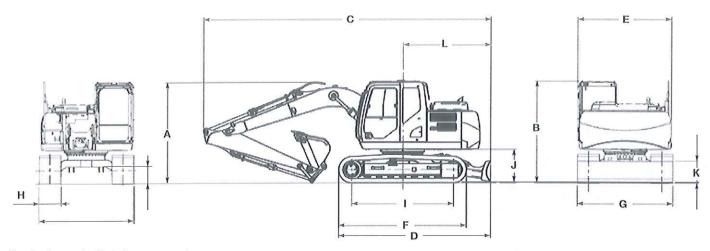
Open center
Two-variable displacement/
axial piston
34.1 gpm (129 L/min)
cket 4,970 psi (350 bar)
5,260 psi (370 bar)
4,970 psi (350 bar)
4,050 psi (285 bar)
1 x gear design
5.3 gpm (20 L/min)
w/ boom/arm holding valve
1 x Four-spool section

Left track travel, auxiliary, swing, boom and arm acceleration.	1 x Five-spool section	
Work mode selections	SP: Speed Priority H: Heavy-Duty A: Automatic	
Swing motor	Fixed displacement axial piston	
Swing final drive	Planetary gear reduction	
Travel motor	Two-speed independent travel/axial piston	

Boom cylinders	Two (2)
Cylinder bore	4.1 in (105 mm)
Cylinder rod diameter	2.8 in (70 mm)
Cylinder stroke	37.8 in (961 mm)
Arm cylinder	One (1)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	3.1 in (80 mm)
Cylinder stroke	43.6 in (1 280 mm)
Bucket cylinder	One (1)
Cylinder bore	3.7 in (95 mm)
Cylinder rod diameter	2.6 in (65 mm)
Cylinder stroke	38.8 in (985 mm)
Blade cylinder	One (1)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	2.8 in (70 mm
Cylinder stroke	9.8 in (250 mm)

69 gal (260 L)
41 gal (157 L)
22 gal (82 L)
4 gal (17 L)
0.6 gal (2.2 L)
0.6 gal (5.8 L)
4 gal (16.2 L)

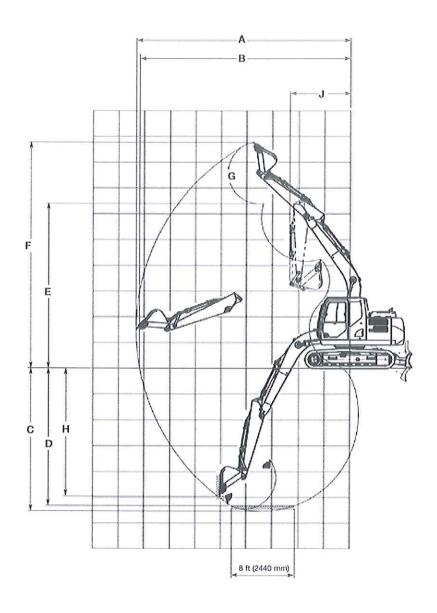
Swing speed	14.3 RPM
Swing torque	24,340 lbf·ft (33 000 kN·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	12 ft 4 in (3 760 mm)
Track gauge	6 ft 6 in (1 990 mm)
Carrier rollers	-1
Track rollers	7
Shoes - triple grouser	47
Shoe width - std.	2 ft 0 in (600 mm)
Link pitch	7 in (172 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS			
	8 ft 2 in (2.50 m) Arm	9 ft 10 in (3.01 m) Arm	6 ft 10 in (2.11 m) Arm
A. Overall height	9 ft 1 in (2 770 mm)	8 ft 8 in (2 640 mm)	8 ft 10 in (2 680 mm)
B. Cab height	9 ft 3 in (2 830 mm)	9 ft 3 in (2 830 mm)	9 ft 3 in (2 830 mm)
C. Overall length - with attachment	25 ft 11 in (7 900 mm)	25 ft 11 in (7 900 mm)	25 ft 11 in (7 890 mm)
D. Overall length - without attachment	13 ft 8 in (4 160 mm)	13 ft 8 in (4 160 mm)	13 ft 8 in (4 160 mm)
E. Width of upper structure	8 ft 4 in (2 530 mm)	8 ft 4 in (2 530 mm)	8 ft 4 in (2 530 mm)
F. Track overall length	11 ft 6 in (3 500 mm)	11 ft 6 in (3 500 mm)	11 ft 6 in (3 500 mm)
G. Track overall width with 23.6 in (600 mm) shoes	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)
H. Track shoe width	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)
I. Center to center – idler to sprocket	9 ft 2 in (2 740 mm)	9 ft 2 in (2 740 mm)	9 ft 2 in (2 740 mm)
J. Upper structure ground clearance	2 ft 11 in (895 mm)	2 ft 11 in (895 mm)	2 ft 11 in (895 mm)
K. Minimum ground clearance	1 ft 5 in (425 mm)	1 ft 5 in (425 mm)	1 ft 5 in (425 mm)
L. Rear tail swing radius	7 ft 1 in (2 170 mm)	7 ft 1 in (2 170 mm)	7 ft 1 in (2 170 mm)
Operating weight*	30,400 lb (13 800 kg)	30,400 lb (13 800 kg)	30,400 lb (13 800 kg)
Ground pressure	5.4 psi (0.37 bar)	5.4 psi (0.37 bar)	5.4 psi (0.37 bar)

NOTE: *With 23.6 in (600 mm) track shoe, 880 lb (400 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



	8 ft 2 in (2.50 m) Arm	9 ft 10 in (3.01 m) Arm	6 ft 10 in (2.11 m) Arm
A. Maximum dig radius	27 ft 3 in (8 310 mm)	28 ft 9 in (8 770 mm)	26 ft 1 in (7 960 mm)
B. Dig radius at groundline	26 ft 10 in (8 170 mm)	28 ft 4 in (8 640 mm)	25 ft 7 in (7 810 mm)
C. Maximum dig depth	18 ft 3 in (5 550 mm)	19 ft 10 in (6 050 mm)	16 ft 11 in (5 160 mm)
D. Dig depth - 8 ft 0 in (2.44 m) level bottom	17 ft 6 in (5 330 mm)	19 ft 3 in (5 870 mm)	16 ft 2 in (4 920 mm)
E. Dump height	21 ft 0 in (6 390 kg)	21 ft 11 in (6 680 mm)	20 ft 3 in (6 170 mm)
F. Maximum reach height	28 ft 9 in (8 770 mm)	29 ft 8 in (9 240 mm)	28 ft 1 in (8 550 mm)
G. Bucket rotation	178°	178°	178°
H. Maximum vertical wall dig depth	16 ft 3 in (4 950 mm)	17 ft 7 in (5 350 mm)	15 ft 1 in (4 600 mm)
J. Minimum swing radius	7 ft 8 in (2 340 mm)	8 ft 9 in (2 660 mm)	7 ft 9 in (2 360 mm)
Arm digging force:			
Standard	13,900 lbf (62 kN)	12,600 lbf (56 kN)	15,700 lbf (70 kN)
Power Boost	14,800 lbf (66 kN)	13,500 lbf (60 kN)	16,600 lbf (74 kN)
Bucket digging force:			
Standard	20,200 lbf (90 kN)	20,200 lbf (90 kN)	20,200 lbf (90 kN)
Power Boost	21,400 lbf (95 kN)	21,400 lbf (95 kN)	21,400 lbf (95 kN)

LIFT CAPACITIES

8 ft 2 in (2.50 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,850 lb (2 200 kg) counterweight.

Load (Lift Point	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		MAXIMUM REACH			
Height)	END	SIDE	END	SIDE	END	SIDE	END	SIDE	ENO	SIDE	Ø	END	SIDE	
+25 ft (7.5 m)					4,050 lb (1 837 kg)	4,050 lb (1 837 kg)					16 ft 7 in (5.05 m)	3,250 lb (1 474 kg)	3,250 lb (1 474 kg)	
+20 ft (6 m)					5,900 lb (2 676 kg)	5,900 lb (2 676 kg)	4,950 lb (2 245 kg)	4,750 lb (2 155 kg)			21 ft 9 in (6.63 m)	2,700 lb (1 225 kg)	2,700 lb (1 225 kg)	
+15 ft (4.5 m)					6,400 lb (2 903 kg)	6,400 lb (2 903 kg)	6,100 lb (2 767 kg)	4,700 lb (2 132 kg)			24 ft 7 in (7.49 m)	2,550 lb (1 157 kg)	2,550 lb (1 157 kg)	
+10 ft (3 m)			11,550 lb (5 239 kg)	11,550 lb (5 239 kg)	8,600 lb (3 901 kg)	7,250 lb (3 289 kg)	6,950 lb (3 152 kg)	4,500 lb (2 041 kg)	4,750 lb (2 155 kg)	3,000 lb (1 361 kg)	26 ft 0 in (7.92 m)	2,550 lb (1 157 kg)	2,550 lb (1 157 kg)	
+5 ft (1.5 m)			16,800 lb (7 620 kg)	12,700 lb (5 761 kg)	10,700 lb (4 853 kg)	6,700 lb (3 039 kg)	6,700 lb (3 039 kg)	4,250 lb (1 928 kg)	4,650 lb (2 109 kg)	2,850 lb (1 293 kg)	26 ft 4 in (8.03 m)	2,700 lb (1 225 kg)	2,600 lb (1 179 kg)	
Groundline	5,650 lb (2 563 kg)	5,650 lb (2 563 kg)	18,450 lb (8 369 kg)	11,700 lb (5 307 kg)	10,300 lb (4 672 kg)	6,300 lb (2 858 kg)	6,500 lb (2 948 kg)	4,000 lb (1 814 kg)	4,550 lb (2 064 kg)	2,800 lb (1 270 kg)	25 ft 7 in (7.80 m)	3,000 lb (1 361 kg)	2,700 lb (1 225 kg)	
-5 ft (-1.5 m)	11,200 lb (5 080 kg)	11,200 lb (5 080 kg)	20,200 lb (9 163 kg)	11,600 lb (5 262 kg)	10,100 lb (4 581 kg)	6,100 lb (2 767 kg)	6,350 lb (2 880 kg)	3,900 lb (1 769 kg)			23 ft 9 in (7.24 m)	3,600 lb (1 633 kg)	3,000 lb (1 361 kg)	
-10 ft (-3 m)	17,700 lb (8 029 kg)	17,700 lb (8 029 kg)	18,550 lb (8 414 kg)	11,850 lb (5 375 kg)	10,200 lb (4 627 kg)	6,200 lb (2 812 kg)	6,500 lb (2 948 kg)	4,050 lb (1 837 kg)			20 ft 7 in (6.27 m)	4,900 lb (2 223 kg)	3,850 lb (1 746 kg)	
-15 ft (-4.5 m)			13,800 lb (6 260 kg)	12,150 lb (5 511 kg)	8,250 lb (3 742 kg)	6,450 lb (2 926 kg)					15 ft 4 in (4.67 m)	7,800 lb (3 538 kg)	6,200 lb (2 812 kg)	

9 ft 10 in (3.01 m) Arm, Lift capacities using a 750 lb (340 kg) bucket, 4,850 lb (2 200 kg) counterweight.

Load (Lift Point Height)	0 ft (0 m)				5 ft 10 ft (1.5 m) (3 m)		15 ft (4.5 m)			20 ft (6 m)		25 ft (7.5 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	0	END	SIDE	
+25 ft (7.5 m)													19 ft 1 in (5.82 m)	3,100 lb (1 406 kg)	3,100 lb (1 406 kg	
+20 ft (6 m)									4,900 lb (2 223 kg)	4,900 lb (2 223 kg)			23 ft 7 in (7.19 m)	2,700 lb (1 225 kg)	2,700 lb (1 225 kg	
+15 ft (4.5 m)									5,800 lb (2 631 kg)	4,850 lb (2 200 kg)	4,200 lb (1 905 kg)	3,150 lb (1 429 kg)	26 ft 3 in (8.00 m)	2,550 lb (1 157 kg)	2,550 lb (1 157 kg	
+10 ft (3 m)							7,500 lb (3 402 kg)	7,300 lb (3 311 kg)	6,550 lb (2 971 kg)	4,600 lb (2 087 kg)	4,850 lb (2 200 kg)	3,050 lb (1 383 kg)	27 ft 7 in (8.41 m)	2,550 lb (1 157 kg)	2,500 lb (1 134 kg	
+5 ft (1.5 m)					14,450 lb (6 554 kg)	13,100 lb (5 942 kg)	10,200 lb (4 627 kg)	6,850 lb (3 107 kg)	6,800 lb (3 084 kg)	4,300 lb (1 950 kg)	4,700 lb (2 132 kg)	2,900 lb (1 315 kg)	27 ft 10 in (8.48 m)	2,700 lb (1 225 kg)	2,350 K (1 066 kg	
Groundline			5,850 lb (2 654 kg)	5,850 lb (2 654 kg)	18,650 lb (8 459 kg)	11,800 lb (5 352 kg)	10,350 lb (4 695 kg)	6,300 lb (2 858 kg)	6,500 lb (2 948 kg)	4,050 lb (1 837 kg)	4,550 lb (2 064 kg)	2,800 lb (1 270 kg)	27 ft 2 in (8 28 m)	3,000 lb (1 361 kg)	2,400 lb (1 089 kg	
-5 ft (-1.5 m)	8,400 lb (3 810 kg)	8,400 lb (3 810 kg)	10,200 lb (4 627 kg)	10,200 lb (4 627 kg)	20,100 lb (9 117 kg)	11,450 lb (5 194 kg)	10,050 lb (4 559 kg)	6,050 lb (2 744 kg)	6,350 lb (2 880 kg)	3,900 lb (1 769 kg)	4,500 lb (2 041 kg)	2,750 lb (1 247 kg)	25 ft 5 in (7.75 m)	3,500 lb (1 588 kg)	2,700 lb (1 225 kg	
-10 ft (-3 m)	11,200 lb (5 080 kg)	11,200 lb (5 080 kg)	15,100 lb (6 849 kg)	15,100 lb (6 849 kg)	19,300 lb (8 754 kg)	11,600 lb (5 262 kg)	10,050 lb (4 559 kg)	6,100 lb (2 767 kg)	6,400 lb (2 903 kg)	3,950 lb (1 792 kg)			22 ft 6 in (6.86 m)	4,600 lb (2 087 kg)	3,300 lb (1 497 kg	
-15 ft (-4.5 m)			24,050 lb (10 909 kg)	24,050 lb (10 909 kg)	15,800 lb (7 167 kg)	12,050 lb (5 466 kg)	10,150 lb (4 604 kg)	6,450 lb (2 926 kg)					17 ft 9 in (5.41 m)	7,400 lb (3 357 kg)	4,850 lb	

6 ft 10 in (2.11 m) Arm, Lift capacities using a 900 lb (408 kg) bucket, 4,850 lb (2 200 kg) counterweight.

Load (Lift Point Helght)	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	6	END	SIDE
+25 ft (7.5 m)											14 ft 6 in (4.42 m)	4,000 lb (1 814 kg)	4,000 lb (1 814 kg
+20 ft (6 m)					6,300 lb (2 858 kg)	6,300 lb (2 858 kg)	4,050 lb (1 837 kg)	4,050 lb (1 837 kg)			20 ft 3 in (6.17 m)	3,300 lb (1 497 kg)	3,300 lb (1 497 kg
+15 ft (4.5 m)					7,150 lb (3 243 kg)	7,150 lb (3 243 kg)	6,550 lb (2 971 kg)	4,550 lb (2 064 kg)			23 ft 4 in (7.11 m)	3,050 lb (1 383 kg)	3,050 lb (1 383 kg
+10 ft (3 m)			12,350 fb (5 602 kg)	12,350 lb (5 602 kg)	9,250 lb (4 196 kg)	7,050 lb (3 198 kg)	6,850 lb (3 107 kg)	4,350 lb (1 973 kg)			24 ft 10 in (7.57 m)	3,050 lb (1 383 kg)	2,900 lb (1 315 kg
+5 ft (1.5 m)			17,400 lb (7 893 kg)	12,250 lb (5 557 kg)	10,600 lb (4 808 kg)	6,550 lb (2 971 kg)	6,600 lb (2 994 kg)	4,150 lb (1 882 kg)	3,950 lb (1 792 kg)	2,800 lb (1 270 kg)	25 ft 2 in (7.67 m)	3,200 lb (1 451 kg)	2,750 lb (1 247 kg
Groundline			16,800 lb (7 620 kg)	11,450 lb (5 194 kg)	10,150 lb (4 604 kg)	6,150 lb (2 790 kg)	6,400 lb (2 903 kg)	3,950 lb (1 792 kg)			24 ft 5 in (7.44 m)	3,550 lb (1 610 kg)	2,850 lb (1 293 kg
-5 ft (-1.5 m)	12,100 lb (5 488 kg)	12,100 lb (5 488 kg)	19,850 lb (9 004 kg)	11,550 lb (5 239 kg)	10,050 lb (4 559 kg)	6,050 lb (2 744 kg)	6,350 lb (2 880 kg)	3,900 lb (1 769 kg)			22 ft 6 in (6.86 m)	4,300 lb (1 950 kg)	3,250 lb (1 474 kg
-10 ft (-3 m)	18,600 lb (8 437 kg)	18,600 lb (8 437 kg)	17,500 lb (7 938 kg)	11,850 lb (5 375 kg)	10,200 lb (4 627 kg)	6,250 lb (2 835 kg)					19 ft 1 in (5.82 m)	6,000 lb (2 722 kg)	4,300 lb (1 950 kg
-15 ft (-4.5 m)											11 ft 7 in (3.53 m)	9,800 lb (4 445 kg)	9,500 lb (4 309 kg

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

ENGINE

Isuzu AR-4JJ1X

Tier 4 Final Certified

Selective Catalytic Reduction - SCR

Diesel Oxidation Catalyst - DOC

Cooled Exhaust Gas Recirculation - CEGR

EGR Coolers

Four-cylinder turbo-charged diesel

VGT turbocharger

Electronic fuel injection

High pressure common rail system

Neutral safety start

Auto-engine warm up

Glow-plug pre-heat

Fuel Economy Assist System - FEA

Engine Protection Feature - EPF

Dual-stage fuel filtration

Dual element air filter

Remote oil filter

Drain for fuel tank

Remote engine oil drain

500-hour engine oil change interval

24 Volt system

Engine oil sample port

Battery disconnect switch

Emergency engine stop

External Fuel and DEF gauges

Fan housing

Fuel cooler

Fuel filter restriction indicator

Fuel shut-off valve

Idle start

Radiator, oil cooler,

intercooler - protective screen

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:

Auto-idle

One-touch idle

Auto-idle shut-down

BEC - Boom Economy Control

AEC - Auto Economy Control

SWC - Swing Relief Control

SSC - Spool Stroke Control

HYDRAULICS

Auto power boost

Auto swing priority

Arm speed assistance - 2 pump flow

Auxiliary flow control

Auxiliary valve

Boom speed assistance - 2 pump flow

Bucket curl assist

Control levers pre-wired for

auxiliary hydraulics

Electronically controlled hydraulic pumps

Holding valve – Boom and Arm

Fire wall

Hydraulic filter restriction indicator

Neutral pump de-stroke

Oil cooler

Power save

Pump stand-by pressure

Auto travel speed change

Selectable work modes

Free swing

Hydraulic oil sample port

Control pattern selector

Pre-set auxiliary pump settings

Auxiliary valve

5,000-hour hydraulic oil change interval

1,000-hour hydraulic filter change interval

SAHR brake

UPPER STRUCTURE

ISO mirrors - 3

Cab ISO-Mounts - fluid and spring

Upper mounted work light - 70 watt

Swivel guard belly pan

Center cover - over main CV

Fuel tank belly pan

Handrail - RH access

ISO guard rails

Lifting eyes for counterweight

Lockable fuel cap, service doors and tool box

ATTACHMENTS

Boom - 15 ft 2 in (4.63 m)

Arm - 8 ft 2 in (2.50 m)

Heavy-duty bucket linkage

Boom mounted work light - 70 watt

Auxiliary pipe brackets

Centralized grease fittings

Attachment cushion valve

Arm and boom regeneration

Bucket anti-clatter device

Chrome pins

Easy Maintenance System (EMS) bushings

Teardrop pin retention keepers

OPERATOR ENVIRONMENT

ROPS protection

FOPS cab top guard - Level 1

Pressurized cab

Face vent

Cab lights - 2

Interior dome light

One-touch lock front window

One piece window - right

Safety glass windows

Gate lock hydraulic activation

Emergency exit and hammer

Clear polycarbonate roof window

with sunshade

AC/heat/defrost with auto climate control

LED Color monitor - 7 in (180 mm)

26 selectable languages for monitor

On-board diagnostic system

10 programmable attachments settings on monitor – 5 single flow, 5 dual flow

Seatbelt - 3 in (76 mm)

Heated high-back cloth seat with air suspension and 65° tilt adjustment

Sliding seat - 3.54 in (90 mm)

Adjustable armrests

Tilting consoles - 4-position

Sliding cockpit - 3.15 in (80 mm)

Low-effort joystick controls

Controls pre-wired for auxiliary

Straight travel

AM/FM radio with antenna, 2 speakers and

Bluetooth capabilities

Aux-in port for personal electronics

Radio mute switch - joystick

Rear-view camera

Anti-theft system - start code system

Rubber floormat

12 Volt electric outlet

24 Volt cigarette lighter

Windshield wiper/washer

Cup holder

Storage compartments

Warm/cool storage compartment

Travel alarm with cancel switch

Ignition keys

One key start & lock-up

Cab filter – external

Cab handrails

Operator's manual

UNDERCARRIAGE

23.6 in (600 mm) steel shoes,

triple semi-grouser

Full overlap turntable bearing tub

Track chain guides Hydraulic track adjustment

Sealed link chain

Steps

Carbody belly pan - swivel guard

X-pattern carbody

Lashing points - tie downs

Extra Filter Kit: Engine oil filter

Filter wrench

Fuel filters

Grease gun

Green plug oil drain hose for

engine oil drain Hydraulic return filter

Pilot circuit hydraulic filter

FRONT DOZER BLADE 8 ft 6 in (2.59 m) width – comes with 23.6 in (600 m) steel shoes

TELEMATICS

CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

OPTIONAL EQUIPMENT

ENGINE

Refueling pump

HYDRAULICS

Auxiliary hydraulics: Single acting/joystick activated Double acting/joystick activated - thumb Multi-function with electronic pressure control/joystick activated with electronic proportional controls Secondary low-flow/joystick activated Proportional hydraulic controls Hose Burst Check Valve - HBCV

ATTACHMENTS

Heavy-duty arm - 6 ft 11 in (2.11 m) Long arm - 9 ft 11 in (3.01 m) Quick coupler/Case multi-pin grabber

Heavy-duty/Extreme-duty/Ditching Buckets; Hammers; Thumbs; Compaction plates.

Load holding control

UPPER STRUCTURE

Rubber bumper guard - order through Service Parts

UNDERCARRIAGE

19.7 in (500 mm) rubber link chain, bolt-on rubber pads on steel chain 27.6 in (700 mm) steel shoes, triple semi-grouser Double track chain guides

OPERATOR ENVIRONMENT

FOPS cab top guard - Level 2 Front grill guard - 2 x 2 in (50.8 x 50.8 mm) screen mesh

Front rock guard - vertical bars Two piece/OPG 1

Front rock guard - vertical bars One piece/OPG 2

Vandal guard (front window) with common key

Rain deflector - not available with Front guards

Sun visor

Side-view camera

LED Package:

Includes 1 Side view camera and 6 LED Lights - 2 front cab mounted, 2 rear mounted and 1 mounted on each side

FRONT DOZER BLADE

Hydraulically controlled front dozer blade: 8 ft 2 in (2.49 m) width - comes with 19.7 in (500 mm) rubber link chain 8 ft 10 in (2.69 m) width - comes with 27.6 in (700 mm) steel shoes

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CASE Construction Equipment is blodieselfriendly.NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

Aways read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

ENGINE

Model		Isuzu AM-4JJ1X Cooled EGR
Emissions Cert	ification	Tier 4 Interim
Fuel	Require	es ultra low-sulfur fuel B5 biodiesel tolerant
	n pressure Turbo-c	ater-cooled, 4-cycle, common rail system. harged w/ air cooled rcooler, DPD system
Cylinders		4-cylinder in-line
Displacement		183 in ³ (3.0 L)
Bore/Stroke		4 x 4 in (95.4 x 104.9 mm)
Fuel injection	Direct i	njection - electronic
Fuel filter		Replaceable, w spin-on cartridge
Air filter	1	Ory type element w/ restriction indicator
Oil filter		Replaceable, w spin-on cartridge
Engine gradeabili Side-to-side Fore and aft	ty:	35°
Net horsepower -	SAE J1349	35° 0 2000 RPM: 100 hp (74.9 kW)
let max. torque -		@ 1600 RPM: 265 lb·ft (359 N·m)
Cooling operating	range:	3° F (43° to -25° C)
Dil		s low-ash oil CJ-4

DRIVETRAIN

Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc - each motor
Two speed travel: Max. high speed Max. low speed Automatic downshift	3.5 mph (5.6 kph)
Drawbar pull	26,078 lb (116 kN)
Gradeability	70% – 35° slope

ELECTRICAL

Voltage	24 1/-11-
Altornates	24 Volts
Alternator rating	50 amp
Batteries Battery reserve capacity	2 x 12 Volt 72 Ah / 5 hour
Work lights 1 boom	24 Volt
1 upper	70 watt
2 cab	70 watt 70 watt

OPERATOR ENVIRONMENT

Air-conditioner output	13,492 BTU/hr
Heater output	12,897 BTU/hr
Sound level inside cab - ISO639	5 70 dBA
Electrical outlet	12 Volt
Cab interior light	10 watt
Rear view camera	Standard
Seat	Air-suspension

ATTACHMENT

Boom	15 ft 6 in (4 720 mm)
Arm	8 ft 2 in (2 500 mm)
Bucket digging force w/ Auto Power-Boost	20,233 lb·ft (90 kN) 21,357 lb (95 kN)
NOTE: *Digging force ratings	based on 1900015

OPERATING WEIGHT

Operating weight	31,967 lb (14 500 kg)
w/ shoes	2 ft 0 in (600 mm)
w/ boom	15 ft 2 in (4 630 mm)
w/ arm	9 # 0 in (0 500 mm)
w/ bucket	8 ft 2 in (2 500 mm)
w/ counterweight	882 lb (400 kg)
oodinterweight	8,157 lb (3 700 kg)

NOTE: w/ operator / full fuel / standard equipment

GROUND PRESSURE

Standard operating weight 5.2 psi (0.36 bar) w/ 23.6 in (600 mm) triple semi-grouser shoes

HYDRAULICS

0 .	
System design	Open center
Main pumps Two	variable displacement/
Max. rated flow	axial pistons 34.1 gpm (129 L/min)
System pressures: Boom, arm and bucket w/ Power Boost Travel circuits	
Swing circuits Pilot pump	4,148 psi (286 bar)
Max. capacity	1 x gear design 5.3 gpm (20 L/min)
Controls w/ boo Right track travel, bucket, boom and arm acceleration.	om/arm holding valve Four-spool section
Left track travel, bucket, boom and arm acceleration.	Five-spool section
Work mode selections	SP: Speed priority H: Heavy duty A: Automatic

HYDRAULICS (cont.)

Swing motor	Fixed displacement axial piston
Swing final drive	Planetary gear reduction
Travel motor	Two-speed independent
	travel/axial piston

HYDRAULIC CYLINDERS

Boom cylinders	T (0)
Cylinder bore Cylinder rod diameter Cylinder stroke	Two (2) 4.1 in (105 mm) 3.0 in (75 mm) 44.1 in (1 120 mm)
Arm cylinder	One (1)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	3.1 in (79 mm)
Cylinder stroke	43.6 in (1 108 mm)
Bucket cylinder	One (1)
Cylinder bore	3.7 in (95 mm)
Cylinder rod diameter	2.6 in (65 mm)
Cylinder stroke	34.7 in (881 mm)

SERVICE CAPACITIES

Fuel tank	F2 and (000 L)	
	53 gal (200 L)	
Hydraulic system	42 gal (158 L)	
Hydraulic tank	20 gal (75 L)	
Engine oil w/ filter	4 gal (17 L)	
Swing drive	3.2 qt (3 L)	
Final drive	2.2 qt (2.1 L)	
Cooling system	4 gal (15.3.1)	

OTHER SPECIFICATIONS

0 - 10.6 RPM
27,290 lb·ft (37 000 N·m)
Mechanical disc
12 ft 4 in (3 760 mm)
6 ft 6 in (1 990 mm)
2
7
47
2 ft 0 in (600 mm)
7 in (172 mm)
Grease lubricated/strutted
Single Hydraulic

PRELIMINARY

CX160D

EXCAVATOR
LONG UNDERCARRIAGE
TIER 4 FINAL CERTIFIED





Model	Isuzu AR-4JJ1X Cooled EGR
Emissions Certifi	
Fuel	Requires ultra-low sulfur fuel B5 biodiesel tolerant
Type hiç	Water-cooled, 4-cycle, ih pressure common rall system Turbocharger w/ air cooled intercooler, SCR system
Cylinders	4-cylinder in-line
Displacement	183 in ³ (3 L)
Bore/Stroke	3.8 x 4.1 in (95.4 x 104.9 mm)
Fuel injection	Direct injection - electronic
Fuel filter	Replaceable, full flow spin-on cartridge
Air filter	Dry type element w/ warning restriction indicator
Oil filter	Replaceable, full flow spin-on cartridge
Engine gradeabil Side-to-side Fore and aft	ity: 35° 35°
Net horsepower	– SAE J1349 @ 2200 RPM: 112 hp (83.2 kW)
Net max. torque	- SAE J1349 @ 1800 RPM: 257 lbf-ft (349 N·m)

	109° to -13°F (43° to -25°C)	
Oil	Requires low-ash oil CJ-4	
DRIVETRAIN		
Travel control	Dual stage relief/ counter balance design	
Brakes	Mechanical disc	
Service brakes	SAHR disc - each motor	
Two speed travel: Max. high speed Max. low speed Automatic downshif	3.4 mph (5.4 km/h) 1.7 mph (2.8 km/h) t	
Drawbar pull	36,100 lbf (160 kN)	
Gradeability	70% - 35° Slope	

Cooling operating range:

Voltage	24 Volts
Alternator rating	50 amp
Batteries Battery reserve capacity	2 x 12 Volt 92 Ah/5 hour
Work lights - 4	24 Volt/70 watt

OPERATOR ENVIRONME		Will.
Air conditioner output	18,100 BT	U/hr
Heater output	20,150 BT	U/hr
Sound level inside cab - IS	O6395 70	dBA
Electrical outlet	12	Volt
Cab interior light	10	watt
Rear view camera	Stand	dard
Seat He	eated, air-suspen	sion

ATTACHMENT	
Boom	16 ft 11 in (5 150 mm)
Arm options	8 ft 7 in (2.62 m)
Bucket digging force*	25,200 lbf (112 kN)
w/ auto power up	26,500 lbf (118 kN)

OPERATING WEIGHT	
Operating weight	38,400 lb (17 400 kg)
w/ shoes	2 ft 0 in (600 mm)
w/ boom	16 ft 11 in (5 150 mm)
w/ arm	8 ft 7 in (2.62 m)
w/ bucket	1,067 lb (484 kg)
w/ counterweight	6,945 lb (3 150 kg)

GROUND PRESSURE

@ Standard operating weight 5.9 psi (0.41 bar) w/ 23.6 in (600 mm) triple semi-grouser shoes

System design	Open center				
Main pumps Tv	wo-variable displacement/ axial piston				
Max. rated flow	37.5 gpm (142 L/min)				
System pressures:					
Boom, arm and buck	et 4,970 psi (343 bar				
w/ Power Boost	5,260 psi (363 bar)				
Travel circuits	4,970 psi (343 bar)				
Swing circuits	4,050 psi (279 bar)				
Pilot pump	1 x gear design				
Max, capacity	5.8 gpm (22 L/min)				
Controls w	/ boom/arm holding valve				
Right track travel, bucket, boom and arm acceleration.	1 x Four-spool section				

Left track travel, auxiliary, swing, boom and arm acceleration.	
Work mode selections	SP: Speed Priority H: Heavy-Duty A: Automatic
Swing motor	Fixed displacement axial piston
Swing final drive	Planetary gear reduction
Travel motor	Two-speed independent travel/axial piston

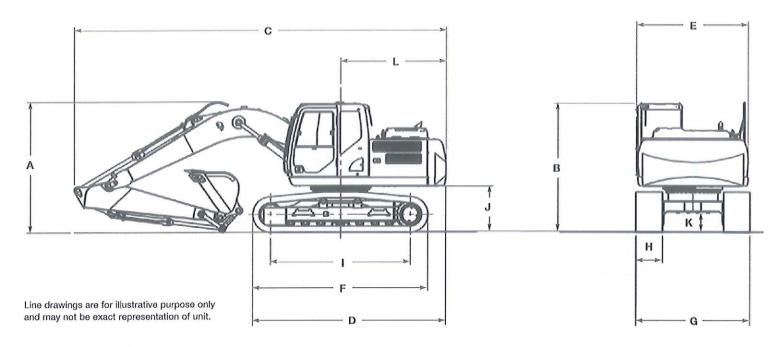
HYDRAULIC CYLINDERS	
Boom cylinders	Two (2)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	3.1 in (80 mm)
Cylinder stroke	46.4 in (1 179 mm)
Arm cylinder	One (1)
Cylinder bore	4.9 in (125 mm)
Cylinder rod diameter	3.5 in (90 mm)
Cylinder stroke	50.4 in (1 280 mm)
Bucket cylinder	One (1)
Cylinder bore	4.1 in (105 mm)
Cylinder rod diameter	3.0 in (75 mm)
Cylinder stroke	38.8 in (985 mm)

SERVICE CAPACITIES				
Fuel tank	79 gal (300 L)			
Hydraulic system Hydraulic tank	44 gal (165 L) 24 gal (90 L)			
Engine oil w/ filter	4 gal (17 L)			
Swing drive	1.3 gal (5 L)			
Final drive	1.5 gal (5.8 L)			
Cooling system	4 gal (16.2 L)			

Swing speed	11.5 RPM
Swing torque	33,264 lbf·ft (45 100 kN·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	13 ft 1 in (3 990 mm)
Track gauge	6 ft 6 in (1 990 mm)
Carrier rollers	2
Track rollers	7
Shoes - triple grouser	. 44
Shoe width - std.	2 ft 0 in (600 mm)
Link pitch	8 in (190 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single

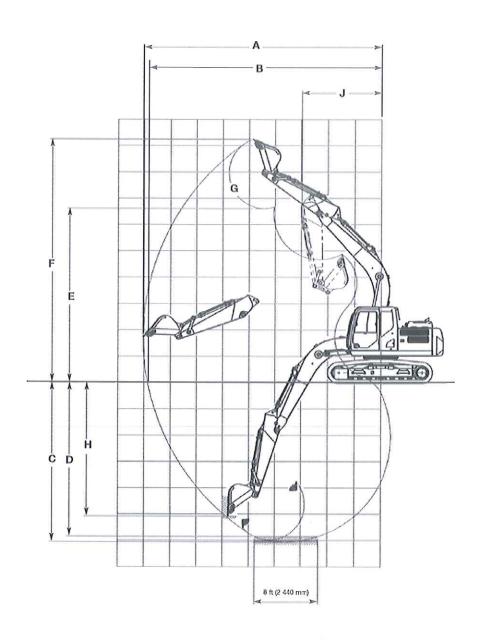
Adjustment

Hydraulic



	8 ft 7 in (2.62 m) Arm	10 ft 0 in (3.04 m) Arm
A. Overall height	9 ft 9 in (2 960 mm)	10 ft 3 in (3 130 mm)
B. Cab height	9 ft 9 in (2 970 mm)	9 ft 9 in (2 970 mm)
C. Overall length – with attachment	27 ft 9 in (8 460 mm)	27 ft 11 in (8 520 mm)
D. Overall length – without attachment	14 ft 6 in (4 430 mm)	14 ft 6 in (4 430 mm
E. Width of upper structure	8 ft 1 in (2 530 mm)	8 ft 4 in (2 530 mm
Track overall length	13 ft 1 in (3 990 mm)	13 ft 1 in (3 990 mm
G. Track overall width with 23.6 in (600 mm) shoes	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)
H. Track shoe width	2 ft 0 in (600 mm)	2 ft 0 in (600 mm
. Center to center – idler to sprocket	10 ft 6 in (3 190 mm)	10 ft 6 in (3 199 mm
J. Upper structure ground clearance	3 ft 4 in (1 020 mm)	3 ft 4 in (1 020 mm
C. Minimum ground clearance	1 ft 5 in (420 mm)	1 ft 5 in (420 mm
Rear tail swing radius	8 ft 1 in (2 470 mm)	8 ft 1 in (2 470 mm
Operating weight*	38,400 lb (17 400 kg)	38,900 lb (17 600 kg
Ground pressure	5.9 psi (0.41 bar)	5.9 psi (0.41 bar

NOTE: *With 23.6 in (600 mm) track shoe, 1,067 lb (484 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



	8 ft 7 in (2.62 m) Arm	10 ft 0 in (3.04 m) Arm
A. Maximum dig radius	30 ft 10 in (9 400 mm)	30 ft 9 in (9 380 mm)
B. Dig radius at groundline	29 ft 1 in (8 870 mm)	30 ft 3 in (9 220 mm)
C. Maximum dig depth	19 ft 11 in (6 060 mm)	21 ft 4 in (6 490 mm)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	19 ft 3 in (5 860 mm)	20 ft 8 in (6 290 mm)
E. Dump height	21 ft 8 in (6 610 mm)	21 ft 11 in (6 690 mm)
F. Maximum reach height	30 ft 4 in (9 240 mm)	30 ft 6 in (9 290 mm)
G. Bucket rotation	178°	178°
H. Maximum vertical wall dig depth	16 ft 8 in (5 080 mm)	17 ft 2 in (5 220 mm)
J. Minimum swing radius	9 ft 10 in (2 990 mm)	10 ft 0 in (3 050 mm)
Arm digging force:		
Standard	17,800 lbf (79 kN)	16,700 lbf (72 kN)
Power Boost	18,800 lbf (84 kN)	17,300 lbf (77 kN)
Bucket digging force:		
Standard	25,200 lbf (112 kN)	25,200 lbf (112 kN)
Power Boost	26,500 lbf (118 kN)	26,500 lbf (118 kN)

8 ft 7 in (2.62 m) Arm Lift capacities calculated using a 1,050 lb (476 kg) bucket, 6,943 lb (3 150 kg) counterweight.

Load (Lift Point	5 ft (1.5 m)		10 ft (3 m)			15 ft (4.5 m)		20 ft (6 m)		ift im)	MAXIMUM REACH			
Helght)	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	0	END	SIDE	
+25 ft (7.5 m)						8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	5,150 lb (2 336 kg)	5,150 lb (2 336 kg)			21 ft 0 in (6.40 m)	3,650 lb (1 656 kg)	3,650 lb (1 656 kg)	
+20 ft (6 m)							7,100 lb (3 221 kg)	7,100 lb (3 221 kg)			25 ft 0 in (7.62 m)	3,300 lb (1 497 kg)	3,300 lb (1 497 kg)	
+15 ft (4.5 m)							9,200 lb (4 173 kg)	7,000 lb (3 175 kg)	6,750 lb (3 062 kg)	4,650 lb (2 109 kg)	27 ft 4 in (8.33 m)	3,200 lb (1 451 kg)	3,200 lb (1 451 kg)	
+10 ft (3 m)			18,500 lb (8 391 kg)	18,500 lb (8 391 kg)	13,350 fb (6 055 kg)	10,450 lb (4 740 kg)	10,400 lb (4 717 kg)	6,600 lb (2 994 kg)	7,150 lb (3 243 kg)	4,500 lb (2 041 kg)	28 ft 5 in (8.66 m)	3,250 lb (1 474 kg)	3,250 fb (1 474 kg	
+5 ft (1.5 m)			21,350 lb (9 684 kg)	17,600 lb (7 983 kg)	15,900 lb (7 212 kg)	9,600 lb (4 354 kg)	9,950 lb (4 513 kg)	6,150 lb (2 790 kg)	6,950 lb (3 152 kg)	4,250 lb (1 928 kg)	28 ft 7 in (8.71 m)	3,450 lb (1 565 kg)	3,350 lb (1 520 kg	
Groundline			17,200 lb (7 802 kg)	16,250 lb (7 371 kg)	15,150 lb (6 872 kg)	8,950 lb (4 060 kg)	9,550 lb (4 332 kg)	5,800 lb (2 631 kg)	6,750 lb (3 062 kg)	4,100 lb (1 860 kg)	27 ft 8 in (8.43 m)	3,850 lb (1 746 kg)	3,450 lb (1 565 kg	
-5 ft (-1.5 m)	13,450 lb (6 101 kg)	13,450 lb (6 101 kg)	21,950 lb (9 956 kg)	16,450 lb (7 462 kg)	14,850 lb (6 736 kg)	8,700 lb (3 946 kg)	9,400 lb (4 264 kg)	5,650 lb (2 563 kg)	6,700 lb (3 039 kg)	4,050 lb (1 837 kg)	25 ft 10 in (7.87 m)	4,550 lb (2 064 kg)	3,850 lb (1 746 kg	
-10 ft (-3 m)	19,550 lb (8 868 kg)	19,550 lb (8 868 kg)	28,000 lb (12 701 kg)	16,750 lb (7 598 kg)	14,950 lb (6 781 kg)	8,800 lb (3 992 kg)	9,500 lb (4 309 kg)	5,800 lb (2 631 kg)			22 ft 8 in (6.91 m)	6,000 lb (2 722 kg)	4,750 lb (2 155 kg	
-15 ft (-4.5 m)	28,400 lb (12 882 kg)	28,400 lb (12 882 kg)	22,600 lb (10 251 kg)	17,400 lb (7 893 kg)	15,100 lb (6 849 kg)	9,350 lb (4 241 kg)					17 ft 10 in (5.44 m)	10,550 lb (4 785 kg)	7,000 lb (3 175 kg	

10 ft 0 in (3,04 m) Arm Lift capacities calculated using a 950 lb (431 kg) bucket, 6,943 lb (3 150 kg) counterweight.

Load (Lift Point	0 ft (0 m)		5 ft 10 f (1.5 m) (3 n							20 ft (6 m)		ift im)	MAXIMUM REACH		
Height)	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	0	END	SIDE
+25 ft (7.5 m)									4,850 lb (2 200 kg)	4,850 lb (2 200 kg)			22 ft 7 in (6,88 m)	3,400 lb (1 542 kg)	3,400 lb (1 542 kg
+20 ft (6 m)									6,550 lb (2 971 kg)	6,550 lb (2 971 kg)	4,800 lb (2 177 kg)	4,800 lb (2 177 kg)	26 ft 4 in (8,03 m)	3,100 lb (1 406 kg)	3,100 lb (1 406 kg
+15 ft (4.5 m)									8,400 lb (3 810 kg)	7,150 lb (3 243 kg)	6,550 lb (2 971 kg)	4,750 lb (2 155 kg)	28 ft 6 in (8.69 m)	3,050 lb (1 383 kg)	3,050 lb (1 383 kg
+10 ft (3 m)	1				16,350 lb (7 416 kg)	16,350 lb (7 416 kg)	12,200 lb (5 534 kg)	10,700 lb (4 853 kg)	10,150 lb (4 604 kg)	6,700 lb (3 039 kg)	7,250 lb (3 289 kg)	4,550 lb (2 064 kg)	29 ft 7 in (9.02 m)	3,150 lb (1 429 kg)	3,150 lb (1 429 kg
+5 ft (1.5 m)					24,150 lb (10 954 kg)	18,150 lb (8 233 kg)	15,900 lb (7 212 kg)	9,750 lb (4 423 kg)	10,050 lb (4 559 kg)	6,250 lb (2 835 kg)	7,000 lb (3 175 kg)	4,300 lb (1 950 kg)	29 ft 8 in (9.04 m)	3,350 lb (1 520 kg)	3,150 lt (1 429 kr
Groundline			7,250 lb (3 289 kg)	7,250 lb (3 289 kg)	19,350 lb (8 777 kg)	16,550 lb (7 507 kg)	15,200 lb (6 895 kg)	9,000 lb (4 082 kg)	9,600 lb (4 354 kg)	5,850 lb (2 654 kg)	6,750 lb (3 062 kg)	4,100 lb (1 860 kg)	28 ft 10 in (8.79 m)	3,750 lb (1 701 kg)	3,250 lt (1 474 k
-5 ft (-1,5 m)	10,300 lb (4 672 kg)	10,300 lb (4 672 kg)	12,700 lb (5 761 kg)	12,700 lb (5 761 kg)	22,000 lb (9 979 kg)	16,250 lb (7 371 kg)	14,800 lb (6 713 kg)	8,650 lb (3 924 kg)	9,350 lb (4 241 kg)	5,650 lb (2 563 kg)	6,650 lb (3 016 kg)	4,000 lb (1 814 kg)	27 ft 1 in (8.26 m)	4,450 lb (2 018 kg)	3,550 lb (1 610 kg
-10 ft (-3 m)	13,750 lb (6 237 kg)	13,750 lb (6 237 kg)	17,950 lb (8 142 kg)	17,950 lb (8 142 kg)	28,850 lb (13 086 kg)	16,500 lb (7 484 kg)	14,800 lb (6 713 kg)	8,700 lb (3 946 kg)	9,400 lb (4 264 kg)	5,650 lb (2 563 kg)			24 ft 1 in (7.34 m)	5,800 lb (2 631 kg)	4,300 lb (1 950 kg
-15 ft (-4.5 m)			28,300 lb (12 837 kg)	28,300 lb (12 837 kg)	24,650 lb (11 181 kg)	17,050 lb (7 734 kg)	15,100 lb (6 849 kg)	9,050 lb (4 105 kg)					19 ft 7 in (5.97 m)	9,300 lb (4 218 kg)	6,000 lb (2 722 kg

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

Isuzu AR-4JJ1X

Tier 4 Final Certified

Selective Catalytic Reduction – SCR

Diesel Oxidation Catalyst - DOC

Cooled Exhaust Gas Recirculation - CEGR

EGR Coolers

Four-cylinder turbo-charged diesel

VGT turbocharger

Electronic fuel injection

High pressure common rail system

Neutral safety start

Auto-engine warm up

Glow-plug pre-heat

Fuel Economy Assist System - FEA

Engine Protection Feature - EPF

Dual-stage fuel filtration

Dual element air filter

Remote oil filter

Drain for fuel tank

Remote engine oil drain

500-hour engine oil change interval

24 Volt system

Engine oil sample port

Battery disconnect switch

Emergency engine stop

External Fuel and DEF gauges

Fan housing

Fuel cooler

Fuel filter restriction indicator

Fuel shut-off valve

Idle start

Radiator, oil cooler.

intercooler - protective screen

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:

Auto-idle

One-touch idle

Auto-idle shut-down

BEC - Boom Economy Control

AEC - Auto Economy Control

SWC - Swing Relief Control

SSC - Spool Stroke Control

HYDRAULICS

Auto power boost

Auto swing priority

Arm speed assistance - 2 pump flow

Auxiliary flow control

Auxiliary valve

Boom speed assistance - 2 pump flow

Bucket curl assist

Control levers pre-wired for

auxiliary hydraulics

Electronically controlled hydraulic pumps

Holding valve - Boom and Arm

Fire wall

Hydraulic filter restriction indicator

Neutral pump de-stroke

Oil cooler

Power save

Pump stand-by pressure

Auto travel speed change

Selectable work modes

Free swing

Hydraulic oil sample port

Control pattern selector

Pre-set auxiliary pump settings

Auxiliary valve

5,000-hour hydraulic oil change interval

1,000-hour hydraulic filter change interval

SAHR brake

UPPER STRUCTURE

ISO mirrors - 3

Cab ISO-Mounts - fluid and spring

Upper mounted work light - 70 watt

Swivel guard belly pan

Center cover - over main CV

Fuel tank belly pan

Handrail - RH access

ISO guard rails

Lifting eyes for counterweight

Lockable fuel cap, service doors and tool box

ATTACHMENTS

Boom - 16 ft 11 in (5.15 m)

Arm - 8 ft 7 in (2.62 m)

Heavy-duty bucket linkage

Boom mounted work light - 70 watt

Auxiliary pipe brackets

Centralized grease fittings

Attachment cushion valve

Arm and boom regeneration

Bucket anti-clatter device

Chrome pins

Easy Maintenance System (EMS) bushings

Teardrop pin retention keepers

OPERATOR ENVIRONMENT

ROPS protection

FOPS cab top guard - Level 1

Pressurized cab

Face vent

Cab lights - 2

Interior dome light

One-touch lock front window

One piece window - right

Safety glass windows

Gate lock hydraulic activation

Emergency exit and hammer

Clear polycarbonate roof window with sunshade

AC/heat/defrost with auto climate control

LED Color monitor - 7 in (180 mm)

26 selectable languages for monitor

On-board diagnostic system

10 programmable attachments settings on monitor - 5 single flow, 5 dual flow

Seatbelt - 3 in (76 mm)

Heated high-back cloth seat with air suspension and 65° tilt adjustment

Sliding seat -3.54 in (90 mm)

Adjustable armrests

Tilting consoles - 4-position

Sliding cockpit - 3.15 in (80 mm)

Low-effort joystick controls

Controls pre-wired for auxiliary

Straight travel

AM/FM radio with antenna, 2 speakers and

Bluetooth capabilities

Aux-in port for personal electronics Radio mute switch - joystick

Rear-view camera

Anti-theft system - start code system

Rubber floormat

12 Volt electric outlet

24 Volt cigarette lighter

Windshield wiper/washer

Cup holder

Storage compartments

Warm/cool storage compartment

Travel alarm with cancel switch

Ignition keys

One key start & lock-up

Cab filter - external

Cab handrails

Operator's manual

UNDERCARRIAGE

23.6 in (600 mm) steel shoes,

triple semi-grouser

Full overlap turntable bearing tub

Single track chain guides

Hydraulic track adjustment

Sealed link chain

Steps Carbody belly pan - swivel guard

X-pattern carbody Lashing points - tie downs

Extra Filter Kit:

Engine oil filter Filter wrench

Fuel filters

Grease gun Green plug oil drain hose for

data subscription

engine oil drain

Hydraulic return filter Pilot circuit hydraulic filter

TELEMATICS

CASE SiteWatch™ Telematics - includes hardware and a 3-yr Advanced

OPTIONAL EQUIPMENT

ENGINE

Refueling pump

HYDRAULICS

Auxiliary hydraulics:
Single acting/joystick activated
Double acting/joystick
activated – thumb
Multi-function with electronic pressure
control/joystick activated with
electronic proportional controls
Secondary low-flow/joystick activated
Proportional hydraulic controls
Hose Burst Check Valve – HBCV

ATTACHMENTS

Long arm - 10 ft 0 in (3.05 m)

Quick coupler/Case multi-pin grabber Tools:

Heavy-duty/Extreme-duty/Ditching Buckets; Hammers; Thumbs; Compaction plates.

Load holding control

UPPER STRUCTURE

Rubber bumper guard – order through Service Parts

UNDERCARRIAGE

27.6 in (700 mm) steel shoes, triple semi-grouser Track guides – triple

OPERATOR ENVIRONMENT

FOPS cab top guard - Level 2

Front grill guard – 2 x 2 in (50.8 x 50.8 mm) screen mesh

Front rock guard – vertical bars Two piece/OPG 1

Front rock guard – vertical bars One piece/OPG 2

Vandal guard (front window) with common key

Rain deflector – not available with Front guards

Sun visor

Side-view camera

LED Package:

Includes 1 Side view camera and 6 LED Lights – 2 front cab mounted, 2 rear mounted and 1 mounted on each side

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CASE Construction Equipment is biodieselfriendly.NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

SAFETY"

Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.



CX210D STD LC

EXCAVATOR

STANDARD LONG UNDERCARRIAGE (LC)

TIER 4 FINAL CERTIFIED



Model	Isuzu AR-4HK1X
Emissions Cer	tification Tier 4 Final
Fuel	Requires ultra-low sulfur fuel B5 biodiesel tolerant
Туре	Water-cooled, 4-cycle diesel, high pressure common rail system – electric control. VGT Turbocharger w/ air cooled intercooler, SCR system
Cylinders	4-cylinder in-line
Displacement	317 in ³ (5.2 L)
Bore/Stroke	4.53 x 4.92 in (115 x 125 mm)
Fuel injection	Direct injection – electronic
Fuel filter	Replaceable, full flow spin-on cartridge
Air filter	Dry type element w/ warning restriction indicator
Oil filter	Replaceable, full flow spin-on cartridge
Engine gradeab Side-to-side Fore and aft	
Net horsepower	r – SAE J1349 @ 1800 RPM: 160 hp (119.3 kW)
Net max. torque	9 – SAE J1349 @ 1600 RPM: 458 lbf·ft (621 N·m)
Cooling operatir	
Oil	Requires low-ash oil CJ-4

Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc - each motor
Two speed travel: Max. high speed Max. low speed Automatic downshift	3.5 mph (5.6 km/h) 2.1 mph (3.4 km/h)
Drawbar pull	42,264 lbf (188 kN)
Gradeability	70% - 35° Slope

ELECTRICAL	
Voltage	24 Volts
Alternator rating	50 amp
Batteries Battery reserve capacity	2 x 12 Volt 92 Ah/5 hour
Work lights – 4 1 boom, 1 upper, 2 cab	24 Volt/70 watt

OPERATOR ENVIRONMENT	
Air conditioner output	18,100 BTU/hr
Heater output	20,150 BTU/hr
Sound level inside cab - ISO6396	70 dBA
Electrical outlet	12 Volt
Cab interior light	10 watt
Rear view camera	Standard
Monitor:	

Rear view and side view – optional camera display; Mode 1: work mode; Travel mode; Attachment selection; Auto idle indicator; Fuel consumption gauge; Power boost icon; Fuel bar graph; Oil temperature bar graph; DEF/AdBlue bar graph; Auto glow indicator; Auxiliary mode display; Hour meter; Camera angle indicator; Mode 2: free swing/swing lock indicator; Light icon; Wiper icon; Mute icon; Seat belt icon; Warning messages; Time and date; Water temperature bar graph; DEF/AdBlue refill icon; Anti-theft icon; DTC Indicator; Low output icon; SCR cleaning icon; SCR warning icons; Freeze protection; Trip meter; Pressure reading.

Seat

High-back seat w/ heat and air suspension; Adjustments: 65° tilt, manual weight, seat height, headrest, lumbar support, backrest angle, pivoting armrests linked to consoles; Retractable seat belt and control consoles adjust independently of seat.

Boom	18 ft 8 in (5.70 m)						
Arm options:							
Standard	9 ft 8 in (2.94 m)						
Heavy-duty	7 ft 10 in (2.40 m)						
Bucket digging force*	31,923 lbf (142 kN)						
w/ Auto Power-Boost	34,621 lbf (154 kN)						

48,900 lb (22 200 kg)
2 ft 6.25 in (800 mm)
18 ft 8 in (5.7 m)
9 ft 8 in (2.94 m)
1,433 lb (650 kg)
8,640 lb (3 920 kg)

NOTE: W/ operator/full fuel/standard equipment.

GROUND PRESSURE

Standard operating weight 4.9 psi (0.34 bar)w/ 31.5 in (800 mm) triple semi-grouser shoes

HYDRAULICS	
System design	Open cente
Main pumps Tv	vo-variable displacement
	mps w/ regulating system
Max. rated flow x 2	55.7 gpm (211 L/min)
System pressures:	
Boom, arm and bucke	et 4,975 psi (343 bar)
w/ Power Boost	5,410 psi (373 bar)
Travel circuits	4,975 psi (343 bar
Swing circuits	4,264 psi (294 bar)
Pilot pump	1 x gear design
Max. capacity	4.8 gpm (18 L/min)
Controls w/	boom/arm holding valve
Right track travel,	1 x Four-spool section
bucket, boom and	 The second of the second of th
arm acceleration.	
Left track travel,	1 x Five-spool section
auxiliary, swing, boom	
and arm acceleration.	
Work mode selections	SP: Speed Priority
	H: Heavy-Duty
	A: Automatic
Swing motor	Fixed displacement
15	axial piston
Swing final drive	Planetary gear reduction
Travel motor	Two-speed independent
	travel/axial piston

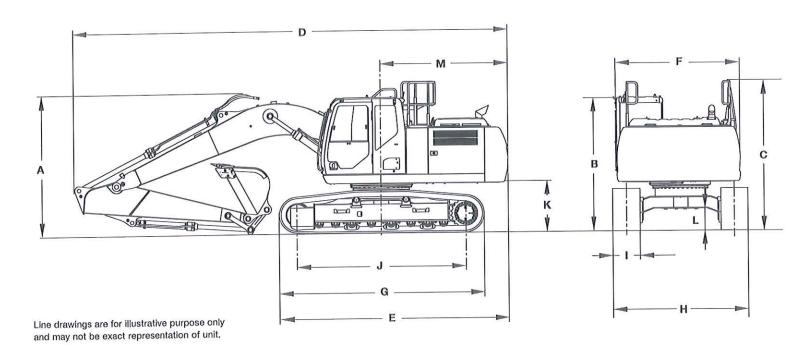
HYDRAULIC CYLINDERS	
Boom cylinders	Two (2)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3.3 in (85 mm)
Cylinder stroke	49.4 in (1 255 mm)
Arm cylinder	One (1)
Cylinder bore	5.5 in (140 mm)
Cylinder rod diameter	3.9 in (100 mm)
Cylinder stroke	57.5 in (1 460 mm)
Bucket cylinder	One (1)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3,3 in (85 mm)
Cylinder stroke	39.8 in (1 010 mm)

SERVICE CAPACITIES	
Fuel tank	108 gal (410.0 L)
Hydraulic system	66 gal (250.0 L)
Hydraulic Sump tank	39 gal (147.0 L)
Engine oil w/ filter	6.1 gal (23.1 L)
Swing drive	1.3 gal (5.0 L)
Final drive	1.3 gal (5.0 L)
Cooling system	8.3 gal (31.4 L)
DEF Tank	31.7 gal (120.0 L)

Swing speed	11.5 RPM
Swing torque	47,204 lbf·ft (64 kN·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	14 ft 8 in (4 470 mm)
Track gauge	7 ft 10 in (2 390 mm)
Carrier rollers	2
Track rollers	8
Shoes - triple grouser	49
Shoe width - std.	2 ft 7 in (800 mm)
Link pitch	7,5 in (190 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single

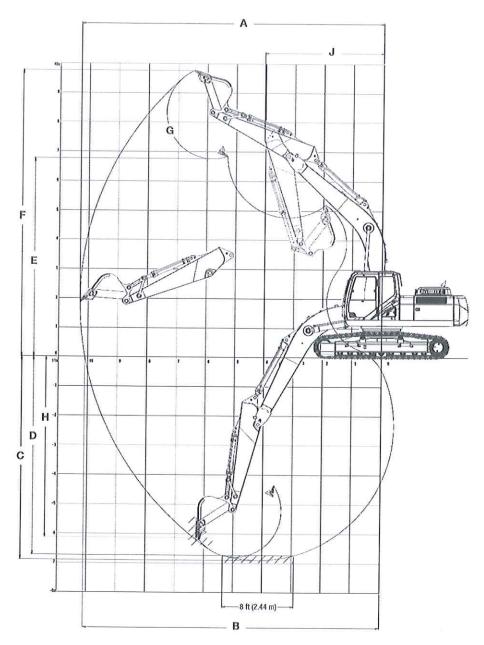
Adjustment

Hydraulic



	9 ft 8 in (2.94 m) Arm	7 ft 10 in (2.40 m) Arm
A. Overall height – with attachment	9 ft 8 in (2 980 mm)	10 ft 5 in (3 190 mm)
B. Cab height	9 ft 9 in (2 990 mm)	9 ft 9 in (2 990 mm)
C. Overall height to top of guardrail	10 ft 8 in (3 280 mm)	10 ft 8 in (3 280 mm)
D. Overall length – with attachment	30 ft 9 in (9 430 mm)	31 ft 2 in (9 510 mm)
E. Overall length – without attachment	16 ft 8 in (5 000 mm)	16 ft 8 in (5 000 mm)
F. Width of upper structure	9 ft 1 in (2 770 mm)	9 ft 1 in (2 770 mm)
G. Track overall length	14 ft 7 in (4 470 mm)	14 ft 7 in (4 470 mm)
H. Track overall width with 36.5 in (800 mm) shoes	10 ft 5 in (3 190 mm)	10 ft 5 in (3 190 mm)
I. Track shoe width	2 ft 2 in (800 mm)	2 ft 2 in (800 mm)
J. Center to center – idler to sprocket	12 ft 0 in (3 660 mm)	12 ft 0 in (3 660 mm)
K. Upper structure ground clearance	3 ft 4 in (1 050 mm)	3 ft 4 in (1 050 mm)
L. Minimum ground clearance	1 ft 4 in (440 mm)	1 ft 4 in (440 mm)
M. Rear tail swing radius	9 ft 1 in (2 770 mm)	9 ft 1 in (2 770 mm)
30.30)	48,900 lb (22 200 kg)	48,848 lb (22 181 kg)
Operating weight* Ground pressure	4.93 psi (0.34 bar)	4,93 psi (0,34 bar)

NOTE: With 18 ft 8 in (5.70 m) boom, 31.5 in (800 mm) track shoe, 1,433 lb (650 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



	9 ft 8 in (2.94 m) Arm	7 ft 10 in (2.40 m) Arm
A. Maximum dig radius	32 ft 6 in (9 900 mm)	30 ft 11 in (9 420 mm)
B. Dig radius at groundline	31 ft 11 in (9 730 mm)	30 ft 4 in (9 240 mm)
C. Maximum dig depth	21 ft 7 in (6 620 mm)	20 ft 1 in (6 110 mm)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	21 ft 2 in (6 470 mm)	19 ft 4 in (5 900 mm)
E. Dump height	22 ft 3 in (6 810 mm)	21 ft 6 in (6 590 mm)
F. Maximum reach height	31 ft 5 in (9 610 mm)	30 ft 8 in (9 390 mm)
G. Bucket rotation	177°	177°
H. Maximum vertical wall dig depth	19 ft 6 in (5 960 mm)	17 ft 11 in (5 480 mm)
J. Minimum swing radius	12 ft 0 in (3 660 mm)	11 ft 11 in (3 620 mm)
Arm digging force:	Variable of the second of the	(
Standard	23,155 lbf (103 kN)	27,651 lbf (123 kN)
Power Boost	25,179 lbf (112 kN)	29,900 lbf (133 kN)
Bucket digging force:		
Standard	31,923 lbf (142 kN)	31,923 lbf (142 kN)
Power Boost	34,621 lbf (154 kN)	34,621 lbf (154 kN)

9 ft 8 in (2.94 m) Lift capacities using a 1,433 lb (650 kg) bucket, 8,642 lb (3 920 kg) counterweight.

Load (Lift Point Height)	MINIMUM REACH			5 ft (1.5 m)		10 ft (3 m)			15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		MAXIMUM REACH		
Holgary	0	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	ENO	SIDE	6	ENO	SIDE	
+25 ft (7.5 m)	20 ft 2 in (6.16 m)	6,250 lb* (2 980 kg)*	6,250 lb* (2 980 kg)*									5,100 lb* (2 960 kg)*	5,100 lb* (2 960 kg)*			25 ft 0 in (7.73 m)	5,000 lb* (2 260 kg)*	5,000 lb* (2 260 kg)*	
+20 ft (6 m)	20 ft 1 in (6,11 m)	9,200 lb* (4 180 kg)*	9,200 lb* (4 180 kg)*	111111111111111111111111111111111111111								8,550 lb* (3 940 kg)*	7,850 lb (3 660 kg)			28 ft 4 in (8,69 m)	4,750 lb* (2 150 kg)*	4,750 lb* (2 150 kg)*	
+15 ft (4.5 m)	16 ft 11 in (4.98 m)	11,350 lb* (4 870 kg)*	11,350 lb* (4 870 kg)*		To a second seco					10,300 lb* (4 760 kg)*	10,300 lb* (4 760 kg)*	9,800 lb* (4 490 kg)*	7,600 lb (3 550 kg)	5,700 lb* (3 180 kg)*	5,400 lb (2 530 kg)	30 ft 4 in (9.26 m)	4,700 lb* (2 140 kg)*	4,700 lb* (2 140 kg)*	
+10 ft (3 m)	7 ft 3 in (2.23 m)	19,400 lb* (8 280 kg)*	19,400 lb* (8 280 kg)*			22,500 lb* (10 500 kg)*	22,500 lb* (10 500 kg)*	16,500 lb* (7 670 kg)*	16,350 lb (7 580 kg)	12,700 lb* (5 880 kg)*	10,550 lb (4 900 kg)	10,700 lb* (4 930 kg)*	7,300 lb (3 400 kg)	8,300 lb* (3 870 kg)	5,300 lb (2 460 kg)	31 ft 3 in (9.53 m)	4,850 lb* (2 210 kg)*	4,850 lb (2 200 kg)	
+5 ft (1.5 m)	8 ft 3 in (2.52 m)	9,350 lb* (4 220 kg)*	9,350 lb* (4 220 kg)*			20,300 lb* (8 580 kg)*	20,300 lb* (8 580 kg)*	20,550 lb* (9 540 kg)*	15,450 lb (7 180 kg)	14,850 lb* (6 860 kg)*	9,950 lb (4 630 kg)	11,000 lb (5 110 kg)	7,000 lb (3 250 kg)	8,150 lb (3 790 kg)	5,100 lb (2 390 kg)	31 ft 3 in (9.53 m)	5,200 lb* (2 350 kg)*	4,750 lb (2 150 kg)	
Groundline	5 ft 8 in (1,72 m)	8,300 lb* (3 770 kg)*	8,300 lb* (3 770 kg)*			18,950 lb* (8 330 kg)*	18,950 fb* (8 330 kg)*	22,800 lb* (10 540 kg)*	14,600 lb (6 780 kg)	15,200 lb (7 080 kg)	9,500 lb (4 410 kg)	10,700 lb (4 970 kg)	6,700 lb (3 130 kg)	7,650 lb* (3 730 kg)	5,000 lb (2 330 kg)	30 ft 6 in (9,28 m)	5,700 lb* (2 600 kg)*	4,900 lb (2 220 kg)	
-5 ft (-1.5 m)	1 ft 7 in (0.48 m)	11,700 lb* (5 220 kg)*	11,700 lb* (5 220 kg)*	16,400 lb* (7 490 kg)*	16,400 lb* (7 490 kg)*	24,400 lb* (10 770 kg)*	24,400 fb* (10 770 kg)*	23,200 lb* (10 710 kg)*	14,350 lb (6 660 kg)	14,950 lb (6 960 kg)	9,250 lb (4 300 kg)	10,550 lb (4 910 kg)	6,600 lb (3 070 kg)			28 ft 8 in (8.76 m)	6,650 lb* (3 010 kg)*	5,350 lb (2 430 kg)	
-10 ft (-3 m)	1 ft 7 in (0.48 m)	18,100 lb* (8 080 kg)*	18,100 lb* (8 080 kg)*	22,300 lb* (9 960 kg)*	22,300 lb* (9 960 kg)*	33,500 lb* (14 770 kg)*	28,750 lb (13 430 kg)	22,550 lb* (10 420 kg)*	14,500 lb (6 730 kg)	15,050 lb (6 990 kg)	9,350 lb (4 340 kg)	10,700 lb (4 980 kg)	6,750 lb (3 130 kg)			25 ft 11 in (7.92 m)	8,400 lb* (3 790 kg)*	6,350 lb (2 860 kg)	
-15 ft (-4.5 m)	4 ft 0 ln (1.16 m)	29,150 lb* (12 870 kg)*	29,150 lb* (12 870 kg)*	31,500 lb* (13 990 kg)*	31,500 lb* (13 990 kg)*	28,900 lb* (13 430 kg)*	28,750 lb (13 990 kg)*	19,900 lb* (9 260 kg)*	14,950 lb (6 940 kg)	14,100 lb* (6 630 kg)*	9,850 lb (4 550 kg)					21 ft 8 in (6.67 m)	11,850 lb* (5 360 kg)*	8,500 lb (3 790 kg)	

7 ft 10 in (2.40 m) Lift capacities using a 1,543 lb (700 kg) bucket, 8,642 lb (3 920 kg) counterweight.

Load (Lift Point Height)	м	MINIMUM REACH		5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		MAXIMUM REACH		
neight,	6	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	0	END	SIDE
+25 ft (7.5 m)	18 ft 5 in (5.64 m)	5,600 lb* (2 680 kg)*	5,600 lb* (2 680 kg)*							8,700 lb* (3 510 kg)*	8,700 lb* (3 510 kg)*					22 ft 11 in (7.1 m)	7,400 lb* (3 340 kg)*	7,400 lb* (3 340 kg)
+20 ft (6 m)	18 ft 4 in (5.57 m)	10,250 lb* (4 680 kg)*	10,250 lb* (4 680 kg)*							10,250 lb* (4 670 kg)*	10,250 lb* (4 670 kg)*	9,400 lb* (4 320 kg)*	7,600 lb (3 550 kg)			26 ft 7 in (8.14 m)	7,000 lb* (3 170 kg)*	6,750 lb (3 020 kg)
+15 ft (4.5 m)	13 ft 4 in (4,03 m)	13,250 lb* (6 870 kg)*	13,250 lb* (6 870 kg)*					13,600 lb* (6 320 kg)*	13,600 lb* (6 320 kg)*	11,300 lb* (5 240 kg)*	10,850 lb* (5 020 kg)	10,450 lb* (4 840 kg)*	7,400 lb (3 460 kg)			28 ft 8 in (8,76 m)	6,950 lb* (3 140 kg)*	5,700 lb (2 580 kg)
+10 ft (3 m)	9 ft 9 in (3.00 m)	14,650 lb* (6 520 kg)*	14,650 lb* (6 520 kg)*			26,000 lb*	26,000 lb*	17,950 lb* (8 230 kg)*	16,250 lb* (7 530 kg)	13,500 lb* (6 240 kg)*	10,300 lb (4 780 kg)	11,100 lb (5 150 kg)	7,150 lb (3 320 kg)	(3 580 kg)*	(2 400 kg)	29 ft 8 in (9.05 m)	7,150 lb* (3 240 kg)*	5,250 lb (2 370 kg)
+5 ft (1.5 m)	10 ft 7 in (3.21 m)	13,450 lb* (6 110 kg)*	13,450 lb* (6 110 kg)*					21,300 lb* (9 810 kg)*	15,050 lb (6 990 kg)	15,400 lb (7 120 kg)*	9,750 lb (4 530 kg)	10,800 lb (5 040 kg)	6,850 lb (3 180 kg)	(3 740 kg)	(2 340 kg)	29 ft 8 in (9.05 m)	7,550 lb* (3 430 kg)*	5,100 lb (2 320 kg)
Groundline	8 ft 8 in (2.64 m)	12,750 lb* (5 790 kg)*	12,750 lb* (5 790 kg)*				17,000 lb* (7 480 kg)*	23,100 lb* (10 680 kg)*	14,400 lb (6 680 kg)	15,050 lb (7 010 kg)	9,350 lb (4 340 kg)	10,600 lb (4 920 kg)	6,650 lb (3 080 kg)			28 ft 10 in (8,78 m)	8,350 lb* (3 780 kg)*	5,300 lb (2 400 kg)
-5 ft (-1.5 m)	3 ft 4 in (1,03 m)	12,350 lb* (5 520 kg)*	12,350 lb* (5 520 kg)*	18,050 lb* (8 040 kg)*	18,050 lb* (8 040 kg)*	25,150 lb* (11 120 kg)*	25,150 lb* (11 120 kg)*	23,050 lb* (10 640 kg)*	14,300 lb (6 650 kg)	14,900 lb (6 940 kg)	9,200 lb (4 280 kg)	10,550 lb (4 900 kg)	6,600 lb (3 060 kg)			27 ft 0 in (8.23 m)	9,400 lb (4 260 kg)	5,900 lb (2 670 kg)
-10 ft (-3 m)	3 ft 5 in (1.03 m)	22,050 lb* (9 830 kg)*	22,050 lb* (9 830 kg)*	25,150 lb* (11 250 kg)*	25,150 lb* (11 250 kg)*	31,800 lb* (14 690 kg)*	29,000 lb (13 510 kg)*	21,850 lb* (10 090 kg)*	14,550 lb (6 770 kg)	15,050 lb (7 000 kg)	9,400 lb (4 360 kg)					23 ft 11 in (7.33 m)	11,450 lb (5 140 kg)	7,200 lb (3 230 kg)
-15 ft (-4.5 m)	6 ft 5 in (1.88 m)	42,150 lb* (16 900 kg)*	42,150 lb* (16 900 kg)*				25,950 lb* (12 080 kg)*	18,100 lb* (8 460 kg)*	15,100 lb (7 020 kg)							19 ft 4 in (5.96 m)	12,050 lb* (5 500 kg)*	10,200 lb (4 530 kg)

NOTE: *Following number indicates hydraulic capacity

STANDARD EQUIPMENT

Isuzu AR-4HK1X

Tier 4 Final Certified

Selective Catalytic Reduction - SCR

Diesel Oxidation Catalyst - DOC

Cooled Exhaust Gas Recirculation - CEGR

EGR Coolers

Four-cylinder turbo-charged diesel

VGT turbocharger

Electronic fuel injection

High pressure common rail system

Neutral safety start

Auto-engine warm up

Glow-plug pre-heat

Fuel Economy Assist System - FEA

Engine Protection Feature - EPF

Dual-stage fuel filtration

Dual element air filter

Remote oil filter

Drain for fuel tank

Remote engine oil drain

500-hour engine oil change interval

24 Volt system

Engine oil sample port

Battery disconnect switch

Emergency engine stop

External Fuel and DEF gauges

Fan housing

Fuel cooler

Fuel filter restriction indicator

Fuel shut-off valve

Idle start

Radiator, oil cooler, intercooler

- protective screen

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:

Auto-idle

One-touch idle

Auto-idle shut-down

BEC - Boom Economy Control

AEC - Auto Economy Control

SWC - Swing Relief Control

SSC - Spool Stroke Control

HYDRAULICS

Auto power boost

Auto swing priority

Arm speed assistance - 2 pump flow

Auxiliary flow control

Auxiliary valve

Boom speed assistance - 2 pump flow

Bucket curl assist

Control levers pre-wired for auxiliary hydraulics

Electronically controlled hydraulic pumps

Holding valve - Boom and Arm

Fire wall

Hydraulic filter restriction indicator

Neutral pump de-stroke

Oil cooler

Power save

Pump stand-by pressure

Auto travel speed change

Selectable work modes

Free swing

Hydraulic oil sample port

Control pattern selector

Pre-set auxiliary pump settings

Auxiliary valve

5,000-hour hydraulic oil change interval

1,000-hour hydraulic filter change interval

SAHR brake

UPPER STRUCTURE

ISO mirrors - 3

Cab ISO-Mounts - fluid and spring

Upper mounted work light - 70 watt

Swivel guard belly pan

Center cover - over main CV

Fuel tank belly pan

Handrail - RH access

ISO guard rails

Lifting eyes for counterweight

Lockable fuel cap, service doors and tool box

ATTACHMENTS

Boom - 18 ft 8 in (5.70 m)

Arm - 9 ft 8 in (2.94 m)

Heavy-duty bucket linkage

Boom mounted work light - 70 watt

Auxiliary pipe brackets

Centralized grease fittings

Attachment cushion valve

Arm and boom regeneration

Bucket anti-clatter device

Chrome pins

Easy Maintenance System (EMS) bushings

Teardrop pin retention keepers

OPERATOR ENVIRONMENT

ROPS protection

FOPS cab top guard - Level 1

Pressurized cab

Face vent

Cab lights - 2

Interior dome light

One-touch lock front window

One piece window - right

Safety glass windows

Gate lock hydraulic activation

Emergency exit and hammer

Clear polycarbonate roof window with sunshade

AC/heat/defrost with auto climate control

LED Color monitor - 7 in (180 mm)

26 selectable languages for monitor

On-board diagnostic system

10 programmable attachments settings on monitor - 5 single flow, 5 dual flow

Seatbelt - 3 in (76 mm)

Heated high-back cloth seat with air suspension and 65° tilt adjustment

Sliding seat -3.54 in (90 mm)

Adjustable armrests

Tilting consoles - 4-position

Sliding cockpit - 3.15 in (80 mm)

Low-effort joystick controls

Controls pre-wired for auxiliary

Straight travel

AM/FM radio with antenna, 2 speakers and Bluetooth capabilities

Aux-in port for personal electronics

Radio mute switch - joystick

Rear-view camera

Anti-theft system - start code system

Rubber floormat

12 Volt electric outlet

24 Volt cigarette lighter

Windshield wiper/washer

Cup holder

Storage compartments

Warm/cool storage compartment

Travel alarm with cancel switch

Ignition keys

One key start & lock-up

Cab filter - external

Cab handrails Operator's manual

Long undercarriage

31.5 in (800 mm) steel shoes,

triple semi-grouser

Full overlap turntable bearing tub

Single track chain guides

Hydraulic track adjustment

Sealed link chain

Steps

Carbody belly pan - swivel guard

X-pattern carbody

Lashing points - tie downs Extra Filter Kit:

Engine oil filter

Filter wrench

Fuel filters

Grease gun Green plug oil drain hose for

engine oil drain

Hydraulic return filter Pilot circuit hydraulic filter

TELEMATICS

CASE SiteWatch™ Telematics - includes hardware and a 3-yr Advanced data subscription

OPTIONAL EQUIPMENT

ENGINE

Refuling pump Air pre-cleaner - Cyclone High ambient temperature cooling package

HYDRAULICS

Auxiliary hydraulics:

Single acting/joystick activated Double acting/joystick activated - thumb Multi-function with electronic pressure control/joystick activated with electronic proportional controls Secondary low-flow/joystick activated Proportional hydraulic controls Hose Burst Check Valve - HBCV

ATTACHMENTS

Heavy-duty arm - 7 ft 10 in (2.40 m) Quick coupler/Case multi-pin grabber

Heavy-duty/Extreme-duty/Ditching Buckets; Hammers; Thumbs; Compaction plates Load holding control

UPPER STRUCTURE

Rubber bumper guard - order through Service Parts

UNDERGARRIAGE

23.6 in (600 mm) rubber link chain, bolt-on rubber pads on steel chain 23.6 in (600 mm) steel shoes, triple semi-grouser 27.6 in (700 mm) steel shoes, triple semi-grouser Track guides - triple

OPERATOR ENVIRONMENT

FOPS cab top guard - Level 2 Front grill guard - 2 x 2 in (50.8 x 50.8 mm) screen mesh

Front rock guard - vertical bars Two piece/OPG 1

Front rock guard - vertical bars One piece/OPG 2

Vandal guard (front window) with common key Rain deflector - not available with front guards Sun visor

Side-view camera

LED Package:

Includes 1 Side view camera and 6 LED Lights - 2 front cab mounted, 2 rear mounted and 1 mounted on each side

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CASE Construction Equipment is biodieselfriendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



SAFETY Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.

ENGINE

ENGINE	
Model	Isuzu AM-4HK1X Cooled EGR
Emissions Cert	
Fuel	Tior i intoliii
i dei	Requires ultra low-sulfur fuel B5 biodiesel tolerant
Type hi	Water-cooled, 4-cycle, gh pressure common rail system Turbo-charged w/ air cooled intercooler, DPD system
Cylinders	4-cylinder in line
Displacement	317 in³ (5.2 L)
Bore/Stroke	5 x 5 in (115 x 125 mm)
Fuel injection	Direct injection - electronic
Fuel filter	Replaceable, full flow spin-on cartridge
Air filter	Dry type element w/ warning restriction indicator
Oil filter	Replaceable, full flow spin-on cartridge
Engine gradeab	oility:
Side-to-side	35°
Fore and aft	35°
Net horsepowe	r – SAE J1349 @ 1800 RPM: 160 hp (119.3 kW)
Net max. torque	= - SAE J1349 @ 1500 RPM: 458 lb·ft (621 N·m)
Cooling operati	

DRIVETRAIN

Oil

Travel control	Dual stage relief/ counter balance design
Brakes	Mechanical disc
Service brakes	SAHR disc - each motor
Two speed travel: Max. high speed Max. low speed Automatic downshift	3.1 mph (5.0 kph) 2.0 mph (3.2 kph)
Drawbar pull	45,187 lbf (201 kN)
Gradeability	70% – 35° slope

109° to -13° F (43° to -25° C)

Requires low-ash oil CJ-4

ELECTRICAL

24 Volts
50 amp
2 x 12 Volt
92 Ah/5 hour
24 Volt
70 watt
70 watt

OPERATOR ENVIRONMENT

Air conditioner output	13,492	BTU/hr
Heater output	12,892	BTU/hr
Sound level inside cab - ISO63	95	70 dBA
Electrical outlet		12 Volt
Cab interior light		10 watt
Rear view camera	5	Standard
Seat	Air-sus	pension

ATTACHMENT

18 ft 8 in (5 700 mm)
9 ft 8 in (2 940 mm)
31,923 lb (142 kN)
34,171 lb (152 kN)

OPERATING WEIGHT

Operating weight	55,997 lb (25 400 kg)
w/ shoes	2 ft 7 in (800 mm)
w/ boom	18 ft 8 in (5 700 mm)
w/ arm	9 ft 8 in (2 940 mm)
w/ bucket	1,435 lb (651 kg)
w/ counterweight	13,095 lb (5 940 kg)

NOTE: w/ operator/full fuel/standard equipment

GROUND PRESSURE

Standard operating weight 5.8 psi (0.4 bar)w/ 31.5 in (800 mm) triple semi-grouser shoes

NOTE: *Digging force ratings based on ISO6015.

HYDRAULICS

System design	Open center
Main pumps Two	variable displacement/ axial pistons
Max. rated flow	55.7 gpm (211 L/min)
System pressures:	
Boom, arm and bucket	4,975 psi (343 bar)
w/ power boost	5,337 psi (368 bar)
Travel circuits	4,975 psi (343 bar)
Swing circuits	4,264 psi (294 bar)
Pilot pump	1 x gear design
Max, capacity	4.8 gpm (18 L/min)
Controls w/ bo	oom/arm holding valve
Right track travel, bucket, boom and arm acceleration.	Four-spool section
Left track travel, bucket, boom and arm acceleration.	Five-spool section
Work mode selections	SP: Speed Priority H: Heavy Duty A: Automatic

HYDRAULICS (cont.)

Swing motor	Fixed displacement axial piston	
Swing final drive	Planetary gear reductio	
Travel motor	Two-speed independent travel/axial piston	

HYDRAULIC CYLINDERS

Boom cylinders	Two (2)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3,3 in (85 mm)
Cylinder stroke	53.9 in (1 370 mm)
Arm cylinder	One (1)
Cylinder bore	5.5 in (140 mm)
Cylinder rod diameter	3.9 in (100 mm)
Cylinder stroke	57.5 in (1 460 mm)
Bucket cylinder	One (1)
Cylinder bore	4.7 in (120 mm)
Cylinder rod diameter	3,3 in (85 mm)
Cylinder stroke	39.8 in (1 010 mm)

SERVICE CAPACITIES

Fuel tank	85 gal (320 L)		
Hydraulic system	67 gal (252 L)		
Hydraulic tank	30 gal (114 L)		
Engine oil w/ filter	6 gal (23.1 L)		
Swing drive	5.3 qt (5 L)		
Final drive – each side	5,3 qt (5 L)		
Cooling system	8 gal (30.9 L)		

0 - 11.8 RPM

OTHER SPECIFICATIONS

Swing speed

Swing torque	47,204 lb·ft (64 000 N·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	14 ft 8 in (4 470 mm)
Track gauge	7 ft 10 in (2 400 mm)
Carrier rollers	2
Track rollers	8
Shoes - Triple grouse	r 49
Shoe width - std.	2 ft 7 in (800 mm)
Link pitch	7 in (190 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic

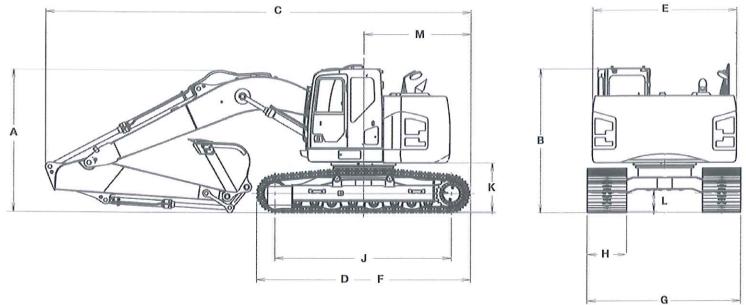
7 ft 10 in (2.40 m) Lift capacities using a 1,550 lb (703 kg) bucket, 13,092 lb (5 940 kg) counterweight.

Load (Lift Point	5 ft (1.5 m)		10 ft (3 m)		15 ft (4.5 m)		20 ft (6 m)		25 ft (7.5 m)		MAXIMUM REACH		
Helght)	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	0	END	SIDE
+30 ft (9 m)					10,000 lb* (4 536 kg)*	10,000 lb* (4 536 kg)*					16 ft 8 in (5.08 m)	8,500 lb* (3 856 kg)*	8,500 lb* (3 856 kg)*
+25 ft (7.5 m)					8,050 lb* (3 651 kg)*	8,050 lb* (3 651 kg)*	9,800 lb* (4 445 kg)*	9,800 lb* (4 445 kg)*			22 ft 11 in (6.99 m)	7,300 lb* (3 311 kg)*	7,300 lb* (3 311 kg)*
+20 ft (6 m)					11,300 lb* (5 126 kg)*	11,300 lb* (5 126 kg)*	10,750 lb* (4 876 kg)*	10,750 lb* (4 876 kg)*	9,800 lb* (4 445 kg)*	8,200 lb (3 719 kg)	26 ft 5 in (8.05 m)	6,900 lb* (3 130 kg)*	6,900 lb* (3 130 kg)*
+15 ft (4.5 m)			18,000 lb* (8 165 kg)*	18,000 lb* (8 165 kg)*	14,350 lb* (6 509 kg)*	14,350 lb* (6 509 kg)*	11,900 lb* (5 398 kg)*	11,600 lio (5 262 kg)	10,750 lb* (4 876 kg)*	8,050 lb (3 651 kg)	28 ft 7 in (8.71 m)	6,850 lb* (3 107 kg)*	6,300 lb (2 858 kg)
+10 ft (3 m)			26,800 lb* (12 156 kg)*	26,800 lb* (12 156 kg)*	18,500 lb* (8 391 kg)*	17,350 lb* (7 870 kg)*	13,900 lb* (6 305 kg)*	11,150 lb (5 058 kg)	11,650 lb* (5 284 kg)*	7,800 lb (3 538 kg)	29 ft 6 in (8.99 m)	7,050 lb* (3 198 kg)*	5,800 lb (2 631 kg)
+5 ft (1.5 m)					21,650 lb* (9 820 kg)*	16,300 lb (7 394 kg)	15,650 lb* (7 099 kg)*	10,600 lb (4 808 kg)	12,000 lb (5 443 kg)	7,500 lb (3 402 kg)	29 ft 6 in (8.99 m)	7,500 lb* (3 402 kg)*	5,700 lb (2 585 kg)
Groundline			17,500 lb* (7 938 kg)*	17,500 lb* (7 938 kg)*	22,850 lb* (10 365 kg)*	15,650 lb (7 099 kg)	16,550 lb* (7 507 kg)*	10,200 lb (4 627 kg)	11,800 lb (5 352 kg)	7,300 lb (3 311 kg)	28 ft 7 in (8.71 m)	8,250 lb* (3 742 kg)*	5,950 lb (2 699 kg)
-5 ft (-1,5 m)	18,100 lb* (8 210 kg)*	18,100 lb* (8 210 kg)*	25,650 lb* (11 635 kg)*	25,650 lb* (11 635 kg)*	22,600 lb* (10 251 kg)*	15,550 lb (7 053 kg)	16,500 lb (7 484 kg)	10,100 lb (4 581 kg)	11,750 lb (5 330 kg)	7,250 lb (3 289 kg)	26 ft 9 in (8.15 m)	9,700 lb* (4 400 kg)*	6,600 lb (2 994 kg)
-10 ft (-3 m)	25,300 lb* (11 476 kg)*	25,300 lb* (11 476 kg)*	29,950 lb* (13 585 kg)*	29,950 lb* (13 585 kg)*	20,950 lb* (9 503 kg)*	15,800 lb (7 167 kg)	15,300 lb* (6 940 kg)*	10,300 lb (4 672 kg)		341114	23 ft 8 in (7.21 m)	11,350 lb* (5 148 kg)*	8,000 lb (3 629 kg)
-15 ft (-4.5 m)			23,450 lb* (10 637 kg)*	23,450 lb* (10 637 kg)*	16,550 lb* (7 507 kg)*	16,050 lb (7 280 kg)					19 ft 0 in (5.79 m)	11,150 lb* (5 058 kg)*	11,150 lb* (5 058 kg)*

9 ft 8 in (2.94 m) Lift capacities using a 1,450 lb (658 kg) bucket, 13,092 lb (5 940 kg) counterweight.

Load (Lift Point Height)	5 ft (1.5 m)		10 ft (3 m)		15 ft (4,5 m)		20 ft (6 m)		25 ft (7.5 m)		30 ft (9 m)		MAXIMUM REACH		
	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	6	END	SIDE
+30 ft (9 m)		_			4,700 lb* (2 132 kg)*	4,700 lb* (2 132 kg)*							19 ft 7 in (5.97 m)	5,650 lb* (2 563 kg)*	5,650 lb* (2 563 kg)*
+25 ft (7.5 m)							8,850 lb* (4 014 kg)*	8,850 lb* (4 014 kg)*					25 ft 0 in (7.62 m)	4,950 lb* (2 245 kg)*	4,950 lb* (2 245 kg)
+20 ft (6 m)							9,850 lb* (4 468 kg)*	9,850 lb* (4 468 kg)*	8,950 lb* (4 060 kg)*	8,450 lb (3 833 kg)			28 ft 3 in (8.61 m)	4,700 lb* (2 132 kg)*	4,700 lb* (2 132 kg)*
+15 ft (4.5 m)			10,950 lb* (4 967 kg)*	10,950 lb* (4 967 kg)*	12,300 lb* (5 579 kg)*	12,300 lb* (5 579 kg)*	10,950 lb* (4 967 kg)*	10,950 lb* (4 967 kg)*	10,050 lb* (4 559 kg)*	8,250 lb (3 742 kg)	5,300 lb* (2 404 kg)*	5,300 lb* (2 404 kg)*	30 ft 2 in (9.19 m)	4,650 lb* (2 109 kg)*	4,650 lb* (2 109 kg)*
+10 ft (3 m)			23,800 lb* (10 795 kg)*	23,800 lb* (10 795 kg)*	17,100 lb* (7 756 kg)*	17,100 lb* (7 756 kg)*	13,200 lb* (5 987 kg)*	11,400 lb (5 171 kg)	11,100 lb* (5 035 kg)*	7,950 lb (3 606 kg)	7,950 lb* (3 606 kg)*	5,800 lb (2 631 kg)	31 ft 1 in (9.47 m)	4,850 lb* (2 200 kg)*	4,850 lb* (2 200 kg)*
+5 ft (1.5 m)			21,000 lb* (9 525 kg)*	21,000 lb* (9 525 kg)*	20,850 lb* (9 457 kg)*	16,700 lb (7 575 kg)	15,150 lb* (6 872 kg)*	10,800 lb (4 899 kg)	12,100 lb* (5 488 kg)*	7,650 lb (3 470 kg)	8,700 lb* (3 946 kg)*	5,650 lb (2 563 kg)	31 ft 1 in (9.47 m)	5,150 lb* (2 336 kg)*	5,150 lb* (2 336 kg)*
Groundline			19,400 lb* (8 800 kg)*	19,400 lb* (8 800 kg)*	22,750 lb* (10 319 kg)*	15,900 lb (7 212 kg)	16,400 lb* (7 439 kg)*	10,350 lb (4 695 kg)	11,900 lb (5 398 kg)	7,400 lb (3 357 kg)	6,800 lb* (3 084 kg)*	5,550 lb (2 517 kg)	30 ft 3 in (9.22 m)	5,700 lb* (2 585 kg)*	5,500 lb (2 495 kg)
-5 ft (-1.5 m)	16,250 lb* (7 371 kg)*	16,250 lb* (7 371 kg)*	24,800 lb* (11 249 kg)*	24,800 lb* (11 249 kg)*	22,850 lb* (10 365 kg)*	15,600 lb (7 076 kg)	16,550 lb (7 507 kg)	10,150 lb (4 604 kg)	11,750 lb (5 330 kg)	7,300 lb (3 311 kg)			28 ft 6 in (8.69 m)	6,650 lb* (3 016 kg)*	6,000 lb (2 722 kg)
-10 ft (-3 m)	22,350 lb* (10 138 kg)*	22,350 lb* (10 138 kg)*	32,050 lb* (14 538 kg)*	30,800 lb (13 971 kg)	21,850 lb* (9 911 kg)*	15,750 lb (7 144 kg)	16,000 lb* (7 257 kg)*	10,200 lb (4 627 kg)	11,650 lb* (5 284 kg)*	7,450 lb (3 379 kg)			25 ft 8 in (7.82 m)	8,400 lb* (3 810 kg)*	7,100 lb (3 221 kg)
-15 ft (-4.5 m)	32,300 lb* (14 651 kg)*	32,300 lb* (14 651 kg)*	26,700 lb* (12 111 kg)*	26,700 lb* (12 111 kg)*	18,650 lb* (8 459 kg)*	16,150 lb (7 326 kg)	13,050 lb* (5 919 kg)*	10,600 lb (4 808 kg)					21 ft 4 in (6,50 m)	11,050 lb* (5 012 kg)*	9,500 lb (4 309 kg)

NOTE: *Lift capacities do not exceed 75% of the minimum tipping load or 87% of the hydraulic lift capacity. Capacities that are marked with an asterisk are hydraulic limited.

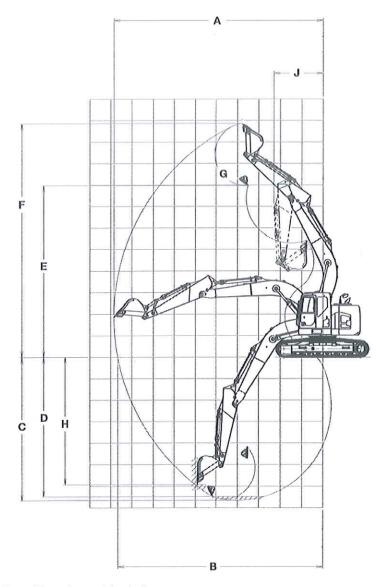


Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

	7 ft 10 in (2.40 m) Arm	9 ft 8 in (2.94 m) Arm
A. Overall height – with attachment	10 ft 5 in (3 180 mm)	10 ft 2 in (3 090 mm)
B. Cab height	10 ft 0 in (3 040 mm)	10 ft 0 in (3 040 mm)
C. Overall length – with attachment	29 ft 3 in (8 920 mm)	29 ft 0 in (8 830 mm)
 Overall length – without attachment 	14 ft 8 in (4 470 mm)	14 ft 8 in (4 470 mm)
E. Width of upper structure	9 ft 10 in (2 990 mm)	9 ft 10 in (2 990 mm)
F. Track overall length	14 ft 8 in (4 470 mm)	14 ft 8 in (4 470 mm)
G. Track overall width with 23.6 in (600 mm) shoes	10 ft 6 in (3 190 mm)	10 ft 6 in (3 190 mm)
H. Track shoe width	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)
J. Center to center - idler to sprocket	12 ft 0 in (3 660 mm)	12 ft 0 in (3 660 mm)
K. Upper structure ground clearance	3 ft 4 in (1 020 mm)	3 ft 4 in (1 020 mm)
L. Minimum ground clearance	1 ft 5 in (440 mm)	1 ft 5 in (440 mm)
M. Rear tail swing radius	5 ft 8 in (1 720 mm)	5 ft 8 in (1 720 mm)
Operating weight*	55,803 lb (25 312 kg)	55,997 lb (25 400 kg)
Ground pressure	5.8 psi (0.4 bar)	5.8 psi (0.4 bar)

NOTE: 'With 31.5 in (800 mm) track shoe, 1,550 lb (703 kg) bucket, 165 lb (75 kg) operator, full fuel and standard equipment.



Line drawings are for illustrative purpose only and may not be exact representation of unit.

PERFORMANCE SPECS

PERFORMANCE SPECS		
	7 ft 10 in (2.40 m) Arm	9 ft 8 in (2.94 m) Arm
A. Maximum dig radius	30 ft 9 in (9 370 mm)	32 ft 4 in (9 850 mm)
B. Dig radius at groundline	30 ft 1 in (9 180 mm)	31 ft 9 in (9 670 mm)
C. Maximum dig depth	20 ft 1 in (6 120 mm)	21 ft 10 in (6 650 mm)
D. Dig depth - 8 ft 0 in (2.44 m) level bottom	19 ft 5 in (5 910 mm)	21 ft 3 in (6 480 mm)
E. Dump height	25 ft 0 in (7 630 mm)	26 ft 2 in (7 970 mm)
F. Maximum reach height	34 ft 6 in (10 515 mm)	35 ft 7 in (10 850 mm)
G. Bucket rotation	177°	177°
H. Maximum vertical wall dig depth	18 ft 0 in (5 480 mm)	19 ft 5 in (5 920 mm)
J. Minimum swing radius	8 ft 4 in (2 550 mm)	7 ft 7 in (2 310 mm)
Arm digging force:		
Standard	27,652 lb (123 kN)	23,155 lb (103 kN)
Power Boost	29,675 lb (132 kN)	24,729 lb (110 kN)
Bucket digging force:		
Standard	31,923 lb (142 kN)	31,923 lb (142 kN)
Power Boost	34,171 lb (152 kN)	34,171 lb (152 kN)

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

Isuzu four-cylinder turbo-charged diesel

Tier 4 Interim Certified - CEGR

Electronic fuel injection

High pressure common rail system

Diesel Particulate Defuser System - DPD

Neutral safety start

Auto-engine warm up

Glow-plug pre-heat

EPF - Engine Protection Feature

Dual-stage fuel filtration

Dual element air filter

Remote oil filter

Green plug oil drain

500-hour engine oil change interval

24-volt system

Requires CJ-4 engine oil

Requires ultra low-sulfur fuel

FUEL ECONOMY SYSTEMS

Engine Idle/Fuel Economy System:

Auto-idle

One-touch idle

Idle shut-down

BEC - Boom Economy Control

AEC - Auto Economy Control

SWC - Swing Relief Control

SSC - Spool Stroke Control

HYDRAULICS

Auto power boost

Auto swing priority

Auto travel speed change

Selectable work modes

ISO pattern controls

Pre-set auxiliary pump settings

Auxiliary valve

Auxiliary pipe brackets

5,000-hour hydraulic oil change interval

1,000-hour hydraulic filter change interval

SAHR brake

UPPER STRUCTURE

Right and left side mirrors

Isolation mounted cab - fluid and spring

Common key vandal locks

Upper mounted work light - 70 watt

Swivel guard belly pan

UNDERCARRIAGE

31.5 in (800 mm) steel shoes, triple semi-grouser

Full overlap turntable bearing tub

Single track chain guides

Hydraulic track adjustment

X-pattern carbody

ATTACHMENTS

Boom - 18 ft 8 in (5.70 m)

Arm - 9 ft 8 in (2.94 m)

Heavy-duty bucket linkage

Boom mounted work light - 70 watt

Auxiliary pipe brackets

Centralized grease fittings

Attachment cushion valve

Arm and boom regeneration

TELEMATICS

CASE SiteWatch™ Telematics – includes hardware and a 3-yr Advanced data subscription

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Control pattern selector

FOPS cab top guard - Level 2

Front grill guard - 2 x 2 screen mesh

Front rock guard:

Vertical bars - two piece/OPG 1

Front rock guard:

Vertical bars - fixed/one piece/OPG 2

Vandal guard

Rain deflector

Sun visor

Side-view camera

HYDRAULICS

Auxiliary hydraulics:

Single acting/joystick activated
Double acting/joystick activated
Multi-function/joystick activated
Secondary low-flow/joystick activated

UNDERCARRIAGE

23.6 in (600 mm) rubber shoes

23.6 in (600 mm) steel shoes, triple semi-grouser 27.6 in (700 mm) steel shoes, triple semi-grouser

ATTACHMENTS

Arm - 7 ft 10 in (2.40 m)

Coupler/Case multi-pin grabber

Buckets:

Heavy-duty

Extreme-duty

Load holding control

Free swing - order kit through Service Parts

Hose Burst Check Valve - HBCV

BUCKETS

Application	Width	SAE Heaped Capacity
General Purpose	24 in (0.61 m) to 48 in (1.22 m)	0.65 yd³ (0.50 m³) to 1.53 yd³ (1.17 m³)
Heavy-duty	24 in (0.61 m) to 48 in (1.22 m)	0.64 yd³ (0.49 m³) to 1.51 yd³ (1.15 m³)
Extreme-duty	24 in (0.61 m) to 42 in (1.07 m)	0.58 yd³ (0.44 m³) to 1.19 yd³ (0.91 m³)
Heavy-duty coupler	24 in (0.61 m) to 39 in (0.99 m)	0.55 yd³ (0.42 m³) to 1.03 yd³ (0.79 m³)
Ditching	60 in (0.61 m) to 66 in (1.68 m)	1.08 yd3 (0.83 m3) to 1.20 yd3 (0.92 m3)

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NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

NOTE: All engines meet current EPA emissions requirements.

IMPORTANT: Case Construction Equipment Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change. Case Construction Equipment Inc. does not warrant the safety or reliability of attachments from other manufacturers.

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