


**Exhibit A****CRFQ DOT1900000115****HYDRAULIC TRACK EXCAVATOR**

Item No.	Description:	Make/Model & Year	Estimated Unit Quantity	Unit Price	Item Total Cost
1	One Complete unit: Hydraulic Track Excavator	CASE CX145D : 2020	20	\$0.00	\$131,352.00
<b>Total Bid Cost</b> 					\$2,627,040.00

**Vendor Information**

Company Name: STATE EQUIPMENT, INC.

Contract Manager: EDDIE ROWAN, JR

Address: 560 NEW GOFF MOUNTAIN ROAD

CROSS LANES, WV 25313

Phone: (304)776-4405

Fax: (304)776-4409

Email: EDDIE@STATEEQUIPMENT.COM

Signature: 

RECEIVED  
2019 JUN 17 PM 3:41  
WV PURCHASING  
DIVISION



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation  
 13 – Equipment

Proc Folder: 566300

Doc Description: ADDENDUM 1 HYDRAULIC TRACK EXCAVATOR (7019EC11)

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2019-06-04	2019-06-18 13:30:00	CRFQ 0803 DOT1900000115	2

**BID RECEIVING LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**

Vendor Name, Address and Telephone Number:

STATE EQUIPMENT, INC.  
 560 NEW GOFF MOUNTAIN ROAD  
 CROSS LANES, WV 25313  
 (304)776-4405

**FOR INFORMATION CONTACT THE BUYER**

Crystal G Husted  
 (304) 558-2402  
 crystal.g.husted@wv.gov

Signature X

FEIN # 550658298

DATE 6/17/19

All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

THE STATE OF WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS TO ESTABLISH AN OPEN-END CONTRACT FOR A HYDRAULIC TRACK EXCAVATOR PER THE ATTACHED DOCUMENTS.

INVOICE TO	SHIP TO
DIVISION OF HIGHWAYS EQUIPMENT DIVISION RT 33 83 BRUSHY ROAD CROSSING, PO BOX 610 BUCKHANNON WV26201 US	DIVISION OF HIGHWAYS EQUIPMENT DIVISION 83 BRUSHY FORK RD CROSSING BUCKHANNON WV 26201 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	HYDRAULIC TRACK EXCAVATOR	20.00000	EA	\$131,352.00	\$2,627,040.00

Comm Code	Manufacturer	Specification	Model #
22101526	CASE	HYDRAULIC EXCAVATOR	CX145D

**Extended Description :**  
HYDRAULIC TRACK EXCAVATOR

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	MANDATORY PRE-BID MEETING	2019-05-29
2	VENDOR QUESTION DEADLINE	2019-06-03

<b>DOT1900000115</b>	<b>Document Phase</b> <b>Final</b>	<b>Document Description</b> ADDENDUM 1 HYDRAULIC TRACK EXCAVATOR (7019EC11)	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: DOT1900000115**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

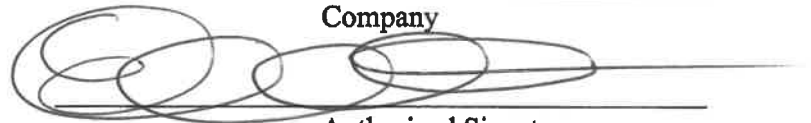
(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

STATE EQUIPMENT, INC.

Company



Authorized Signature

6/17/19

Date

**NOTE:** This addendum acknowledgment should be submitted with the bid to expedite document processing.  
Revised 6/8/2012

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: STATE EQUIPMENT, INC.

Authorized Signature: [Signature] Date: 6/17/19

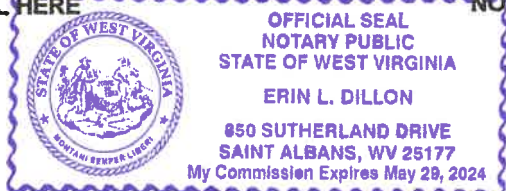
State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 17 day of June, 2019.

My Commission expires May 29, 2024

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]

## West Virginia Ethics Commission



### Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code § 6D-1-2*, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

*"Business entity"* means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

*"Interested party"* or *"Interested parties"* means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors;
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

*"State agency"* means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code § 6D-1-2*, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

*This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: [ethics@wv.gov](mailto:ethics@wv.gov); website: [www.ethics.wv.gov](http://www.ethics.wv.gov).*

West Virginia Ethics Commission  
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: STATE EQUIPMENT, INC Address: 560 NEW GOFF MOUNTAIN ROAD  
CROSS LANES, WV 25313

Name of Authorized Agent: EDDIE ROWAN, JR Address: 560 NEW GOFF MOUNTAIN ROAD  
CROSS LANES, WV 25313

Contract Number: DOT1900000115 Contract Description: HYDRAULIC EXCAVATOR

Governmental agency awarding contract: DIVISION OF HIGHWAYS

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: [Handwritten Signature] Date Signed: 6/17/19

**Notary Verification**

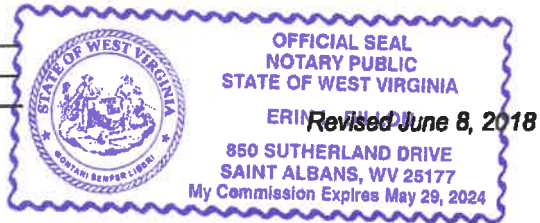
State of WEST VIRGINIA, County of KANAWHA :

I, [Handwritten Signature], the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 17 day of June, 2019.  
[Handwritten Signature]

Notary Public's Signature

To be completed by State Agency:  
Date Received by State Agency: \_\_\_\_\_  
Date submitted to Ethics Commission: \_\_\_\_\_  
Governmental agency submitting Disclosure: \_\_\_\_\_





REQUEST FOR QUOTATION  
CRFQ DOT1900000115  
(WVDOH CLASS 310) HYDRAULIC TRACK EXCAVATOR-7019EC11

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**8. MISCELLANEOUS:**

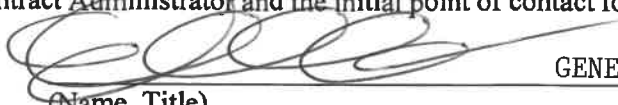
**8.1 No Substitutions:** Vendor shall supply only Contract Items submitted in response to RFQ unless a contract modification is approved in accordance with the provisions contained in this contract.

**8.2 Reports:** Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.


**8.3 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

**Contract Manager:** EDDIE ROWAN, JR  
**Telephone Number:** (304)776-4405  
**Fax Number:** (304)776-4409  
**Email Address:** EDDIE@STATEEQUIPMENT.COM

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

  
GENERAL MANAGER  
\_\_\_\_\_  
(Name, Title)  
EDDIE ROWAN, JR GENERAL MANAGER  
\_\_\_\_\_  
(Printed Name and Title)  
560 NEW GOFF MOUNTAIN ROAD CROSS LANES, WV 25313  
\_\_\_\_\_  
(Address)  
(304)776-4405 (304)776-4409  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
EDDIE@STATEEQUIPMENT.COM  
\_\_\_\_\_  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

STATE EQUIPMENT, INC.  
\_\_\_\_\_  
(Company)  
  
GENERALMANAGER  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

EDDIE ROWAN, JR GENERAL MANAGER  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

6/17/19  
\_\_\_\_\_  
(Date)

(304)776-4405 (304)776-4409  
\_\_\_\_\_  
(Phone Number) (Fax Number)

**CASE**  
CONSTRUCTION

**Excavators**  
D SERIES



CX130D  
CX145D

CX160D  
CX210D

CX245D  
CX250D

CX290D  
CX300D

CX350D  
CX490D

CX500D  
CX750D

**SINCE 1842**



CX130D



CX145D



CX160D



CX210D



CX245D



CX250D



CX290D



CX300D



CX350D



CX490D



CX500D



CX750D

# The Rules Have Changed

More buckets per hour. More hours per tank. More done more quickly than ever before. All with less to maintain and worry about. Whatever the application – loading, trenching, mass excavation, moving pipe or breaking rock – the smarter, faster CASE D Series is rewriting the rulebook on performance and profitability.

- + Faster cycle times
- + Greater precision
- + CASE Intelligent Hydraulic System
- + Wider, more comfortable cab
- + Superior fuel economy
- + Outstanding visibility
- + No-hassle emissions control
- + Protected by ProCare



## **THE D SERIES GETS THE JOB DONE**

### **CASE INTELLIGENT HYDRAULIC SYSTEM (CIHS)**

Our exclusive CIHS easily delivers unmatched precision and greater fuel economy by actively managing hydraulic power throughout lift/dump and dig/curl movements. Thanks to an electronically controlled pump, a larger main valve and multiple hydraulic sensors, the D Series delivers up to 6% greater breakout force.

### **INTEGRATED CONTROL SYSTEMS**

The D Series provides the perfect synergy between engine and hydraulic power. Advanced sensors continuously monitor the type of work being done and automatically respond with the right hydraulic pressure when and where it's needed.

- **Boom Economy Control (BEC)** reduces RPMs during down and swing.
- **Auto Economy Control (AEC)** lowers RPMs during idling.
- **Swing Relief Control (SWC)** efficiently regulates hydraulic swing power when coming out of a hole and moving toward a truck or pile.
- **Spool Stroke Control (SSC)** adjusts hydraulic pressure to optimal outputs and minimizes unneeded operational functions.

### **AUTO POWER BOOST**

Increases hydraulic pressures according to the demand needed for the operating cycle.

### **MORE ROBUST BOOM AND ARM**

From short arms for faster production cycles to long arms and long reach models that maximize the work envelope, the boom and arm on all D Series models have been strengthened internally and in gusset areas for increased reliability and stress relief.

### **FREE SWING**

Dramatically improves craning, laying, or lifting of offset loads.





**SUPERIOR VISIBILITY**

The D Series cab is designed to provide a safe and secure working environment with outstanding visibility. Use of standard rear and side view cameras or the optional 270-degree CASE Max View display for extra perspective while operating, something all operators appreciate when working long days.







***SUPERIOR CAB COMFORT COMES STANDARD***





**WIDER, EXTRA-SPACIOUS,  
PRESSURIZED, VISCOUS-MOUNTED CAB**

The D Series cushioning system lowers noise and vibration levels for the operator's ultimate comfort, providing ample legroom along with a spacious storage compartment and warm and cool box.



**7-INCH LCD MONITOR**

An optically bonded, anti-glare 7-inch LCD multi-function monitor displays an abundant amount of machine operating data as well as setup and service related screens. Press a button and get up-to-date information on fuel level, temperature and pressure valves. Another button provides information on hours and fuel usage for up to two trips.



**STANDARD REAR AND SIDE VIEW CAMERAS AND  
OPTIONAL CASE MAX VIEW DISPLAY**

The D Series standard rear and side view cameras provide increased awareness around the machine. Add the optional CASE Max View display for even greater visibility and safer operation with a 270-degree view of the machine.



**AIR RIDE SEAT, HEATED**

Operators who work up to a full day with few breaks need protection from shocks and vibrations in order to be more productive. With a wider cushion than a standard seat, wider armrests and adjustable height and backrest settings, there simply isn't a more comfortable seat to operate from in the industry.



**ERGONOMICALLY DESIGNED LAYOUT**

Each D Series excavator features a fully adjustable operator station and an ergonomic armrest with joystick controls and easy-to-reach function switches that allow for smooth operation and performance.



**BLUETOOTH ENABLED RADIO**

The D Series cab comes equipped with an AM/FM Bluetooth radio, auxiliary port and controls, remote auxiliary USB connection and phone charger.



**OPTIONAL LED WORKLIGHTS PACKAGE**

8 LED working lights positioned around the cab and boom provide over three times the brightness of halogen bulbs: two mounted on front of the cab, two mounted on the rear, and one on each side, on the house, and on the boom.

## **IMPROVE YOUR SPEED AND EFFICIENCY**

### **FASTER CYCLE TIMES**

Larger control valves and computer controlled redirection of hydraulic oil flow, improves cycle times by as much as 12%. The D Series provides productivity while maintaining controllability for the operator.

### **TIER 4 FINAL SCR PROVIDES SUPERIOR FUEL ECONOMY**

Saving up to 14% on fuel helps slash operating costs and maximize your ROI. CASE excavators don't wastefully use fuel to control emissions in a diesel particulate filter. By using a combination of CEGR, DOC and Selective Catalytic Reduction (SCR), the emissions mandate is met without regeneration.

### **3 POWER MODES**

The D Series offers 3 power modes to match different application needs, improve cycle times and maximize fuel economy:

- **Automatic (A):** The best balance between power, precision, and fuel efficiency, with Power Boost continuously engaged (Recommended for most applications).
- **Heavy (H):** Increased RPM for faster cycle times in general loading.
- **Speed Priority (SP):** Maximum RPM and hydraulic flow providing the fastest cycle times and maximum flow for demanding attachments.



CASE



# MAINTENANCE MADE EASY

## SERVICEABILITY IS IN OUR DNA

When you invest in CASE equipment, you need it to last. We make it simple. 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.

## 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.



### Easy access to everything

- |                        |                     |  |                               |
|------------------------|---------------------|--|-------------------------------|
| 1 Hydraulic fluid      | 5 Fuel pre-filter   | 9 Battery                                    | 13 Grouped lubrication points |
| 2 Hydraulic oil filter | 6 Oil sample ports  | 10 Coolers with protective removable screens | 14 Green plug oil drain       |
| 3 Engine oil           | 7 Engine oil filter | 11 Engine coolant                            | 15 Fuse box                   |
| 4 DEF fluid            | 8 Cab air filter    | 12 Engine air filter                         | 16 Lubricated EMS bushings    |



**IMPRESSIVE SERVICE INTERVALS**

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

## **ATTACHED TO STRENGTH**

### **FULL LINE OF CASE ATTACHMENTS**

CASE offers bucket and hammer options to fit any application:

- General Purpose (STDP)
- Heavy Duty (HDP)
- Severe Duty (XPD)
- Ditching (DTCH)
- Frost Tooth
- High Capacity
- Rock
- Thumb
- Hydraulic Breaker

### **SMARTFIT™ 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.



### **INTEGRATED HYDRAULIC QUICK COUPLER**

Avoid the elements and downtime by quickly switching attachments from the comfort of the cab, thanks to an integrated hydraulic quick-coupler.







Protected by  
**ProCare**

FACTORY WARRANTY  
PLANNED MAINTENANCE  
TELEMATICS



3-yr./3000-hr.  
Full-Machine  
Factory Warranty\*  
**STANDARD**



3-yr./3000-hr.  
Planned  
Maintenance  
**STANDARD**



3-yr. Advanced  
SiteWatch™  
Subscription  
**STANDARD**



## SUPPORT COMES STANDARD

**CASE ProCare** – the industry's best all-in-one heavy machine support program that's as powerful as the equipment it protects – comes standard on all D Series excavators. ProCare includes:

- **3-yr./3000-hr. Full-Machine Factory Warranty\***  
We've got your back — for up to three full years!
- **3-yr./3000-hr. Planned Maintenance**  
No charge for CASE parts and labor for up to three full years!
- **3-yr. Advanced SiteWatch™ Subscription**  
Telematics isn't a luxury; it's a necessity — and we've made it accessible to all.



### **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 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.

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

## SPECIFICATIONS AND DIMENSIONS

SPECIFICATIONS	CX130D LC	CX145D MSR	CX160D STD LC	CX210D STD LC	CX245D MSR
Engine	Isuzu AR-4JJ1X	Isuzu AR-4JJ1X	Isuzu AR-4JJ1X	Isuzu AR 4HK1X	Isuzu AR-4HK1X
Engine Cylinders	4	4	4	4	4
Displacement – in <sup>3</sup> (L)	183 (3)	183 (3)	183 (3)	317 (5.2)	317 (5.2)
Net Horsepower – hp (kW)	102 (76.4)	102 (76.4)	112 (83.2)	160 (119.3)	160 (119.3)
Torque – lbf-ft (N·m)	257 (349)	257 (349)	257 (349)	457 (620)	457 (620)
Bucket Digging Force – lbf (kN)	21,400 (95)	21,400 (95)	26,500 (118)	34,600 (154)	34,600 (154)
Arm Digging Force – lbf (kN)	14,800 (66)	14,800 (66)	18,800 (84)	25,100 (112)	25,100 (112)
Operating Weight – lb (kg)	29,100 (13 200)	32,100 (14 600)	38,400 (17 400)	48,900 (22 200)	56,900 (25 800)
Drawbar Pull – lbf (kN)	26,100 (116)	26,100 (116)	36,100 (160)	42,300 (188)	45,000 (200)
Swing Speed – RPM	14.3	12.5	11.5	11.5	11.5
Travel Speed – mph (kph)	3.5 (5.6)	3.5 (5.6)	3.4 (5.4)	3.5 (5.6)	3.1 (5.0)
DIMENSIONS	CX130D LC	CX145D MSR	CX160D STD LC	CX210D STD LC	CX245D MSR
Overall Height with Attachment	9 ft 1 in (2 770 mm)	9 ft 4 in (2 840 mm)	9 ft 9 in (2 960 mm)	9 ft 9 in (2 980 mm)	9 ft 9 in (2 980 mm)
Cab Height	9 ft 3 in (2 830 mm)	9 ft 3 in (2 820 mm)	9 ft 9 in (2 970 mm)	9 ft 10 in (2 990 mm)	10 ft 0 in (3 040 mm)
Overall Length with Attachment	25 ft 1 in (7 650 mm)	24 ft 1 in (7 350 mm)	27 ft 9 in (8 460 mm)	30 ft 11 in (9 430 mm)	29 ft 0 in (8 830 mm)
Overall Length without Attachment	13 ft 3 in (4 030 mm)	12 ft 4 in (3 760 mm)	14 ft 6 in (4 430 mm)	16 ft 5 in (5 000 mm)	14 ft 8 in (4 470 mm)
Width of Upper Structure	8 ft 4 in (2 530 mm)	8 ft 2 in (2 490 mm)	8 ft 4 in (2 530 mm)	9 ft 1 in (2 770 mm)	9 ft 10 in (2 990 mm)
Track Overall Length	12 ft 4 in (3 760 mm)	12 ft 4 in (3 760 mm)	13 ft 1 in (3 990 mm)	14 ft 8 in (4 470 mm)	14 ft 8 in (4 470 mm)
Track Overall Width	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)	8 ft 6 in (2 590 mm)	10 ft 6 in (3 190 mm)	10 ft 6 in (3 190 mm)
Track Shoe Width	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)	2 ft 0 in (600 mm)	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)
Upper Structure Ground Clearance	2 ft 11 in (895 mm)	2 ft 11 in (880 mm)	3 ft 4 in (1 020 mm)	3 ft 5 in (1 050 mm)	3 ft 4 in (1 020 mm)
Minimum Ground Clearance	1 ft 5 in (420 mm)	1 ft 5 in (440 mm)	1 ft 5 in (420 mm)	1 ft 5 in (440 mm)	1 ft 5 in (440 mm)
Rear Tail Swing Radius	7 ft 1 in (2 170 mm)	5 ft 0 in (1 530 mm)	8 ft 1 in (2 470 mm)	9 ft 2 in (2 790 mm)	5 ft 10 in (1 790 mm)
Maximum Digging Depth	18 ft 3 in (5 550 mm)	18 ft 1 in (5 510 mm)	19 ft 11 in (6 060 mm)	21 ft 10 in (6 650 mm)	21 ft 10 in (6 650 mm)
Maximum Reach @ Ground Level	26 ft 10 in (8 170 mm)	26 ft 8 in (8 140 mm)	29 ft 1 in (8 870 mm)	31 ft 11 in (9 730 mm)	31 ft 9 in (9 670 mm)
<b>Other Available Configurations</b>					



<b>CX250D STD</b>	<b>CX290D MH</b>	<b>CX300D STD</b>	<b>CX350D STD</b>	<b>CX490D STD</b>	<b>CX500D ME</b>	<b>CX750D STD</b>
Isuzu AQ-4HK1X	Isuzu AQ-4HK1X	Isuzu AQ-6HK1X	Isuzu AQ-6HK1X	Isuzu AQ-6UZ1X	Isuzu AQ-6UZ1X	Isuzu AQ-6WG1X
4	4	6	6	6	6	6
317 (5.2)	317 (5.2)	475 (7.8)	475 (7.8)	600 (9.8)	600 (9.8)	957 (15.7)
177 (132.1)	177 (132.1)	207 (154)	268 (200)	362 (270)	362 (270)	512 (382)
458 (621)	458 (621)	626 (849)	729 (988)	1,005 (1 363)	1,005 (1 363)	1,623 (2 200)
39,570 (176)	-	42,780 (190)	56,160 (250)	60,700 (270)	70,400 (313)	75,090 (334)
29,230 (130)	-	31,380 (140)	40,200 (179)	49,500 (220)	60,000 (267)	63,621 (283)
56,900 (25 800)	72,100 (32 700)	67,200 (30 500)	82,400 (37 400)	109,300 (49 600)	111,800 (50 700)	158,300 (71 800)
45,000 (200)	44,100 (196)	52,400 (233)	61,400 (273)	76,200 (339)	76,000 (338)	101,000 (449)
10.6	11.0	10	9.7	9.1	9.1	6.7
3.4 (5.5)	3.4 (5.5)	3.4 (5.4)	3.4 (5.5)	3.3 (5.3)	3.3 (5.3)	2.7 (4.3)

<b>CX250D STD</b>	<b>CX290D MH</b>	<b>CX300D STD</b>	<b>CX350D STD</b>	<b>CX490D STD</b>	<b>CX500D ME</b>	<b>CX750D STD</b>
10 ft 6 in (3 200 mm)	10 ft 0 in (3 040 mm)	11 ft 0 in (3 350 mm)	11 ft 5 in (3 470 mm)	12 ft 0 in (3 650 mm)	12 ft 6 in (3 800 mm)	14 ft 2 in (4 320 mm)
10 ft 0 in (3 050 mm)	10 ft 6 in (3 190 mm)	10 ft 3 in (3 130 mm)	10 ft 5 in (3 180 mm)	10 ft 11 in (3 320 mm)	10 ft 11 in (3 320 mm)	11 ft 6 in (3 510 mm)
32 ft 5 in (9 880 mm)	33 ft 7 in (10 230 mm)	34 ft 6 in (10 510 mm)	36 ft 8 in (11 170 mm)	39 ft 8 in (12 090 mm)	38 ft 4 in (11 680 mm)	43 ft 10 in (13 370 mm)
17 ft 3 in (5 270 mm)	17 ft 6 in (5 330 mm)	18 ft 4 in (5 580 mm)	19 ft 9 in (6 010 mm)	21 ft 2 in (6 450 mm)	21 ft 2 in (6 450 mm)	22 ft 10 in (6 960 mm)
9 ft 1 in (2 770 mm)	9 ft 9 in (2 970 mm)	9 ft 6 in (2 890 mm)	9 ft 11 in (3 030 mm)	10 ft 0 in (3 060 mm)	10 ft 0 in (3 060 mm)	12 ft 2 in (3 700 mm)
15 ft 3 in (4 650 mm)	15 ft 4 in (4 680 mm)	15 ft 11 in (4 850 mm)	16 ft 4 in (4 980 mm)	17 ft 11 in (5 450 mm)	17 ft 11 in (5 450 mm)	19 ft 3 in (5 880 mm)
11 ft 1 in (3 390 mm)	10 ft 6 in (3 190 mm)	11 ft 2 in (3 400 mm)	11 ft 2 in (3 400 mm)	12 ft 0 in (3 650 mm)	12 ft 0 in (3 650 mm)	13 ft 11 in (4 250 mm)
2 ft 7 in (800 mm)	2 ft 0 in (600 mm)	2 ft 7 in (800 mm)	2 ft 7 in (800 mm)	2 ft 11 in (900 mm)	2 ft 11 in (900 mm)	2 ft 11 in (900 mm)
3 ft 7 in (1 100 mm)	3 ft 9 in (1 140 mm)	3 ft 11 in (1 190 mm)	4 ft 0 in (1 210 mm)	4 ft 4 in (1 330 mm)	4 ft 4 in (1 330 mm)	4 ft 11 in (1 500 mm)
1 ft 5 in (440 mm)	1 ft 8 in (500 mm)	1 ft 6 in (460 mm)	1 ft 7 in (470 mm)	1 ft 9 in (535 mm)	1 ft 9 in (535 mm)	2 ft 8 in (825 mm)
9 ft 8 in (2 950 mm)	9 ft 8 in (2 950 mm)	10 ft 4 in (3 160 mm)	11 ft 8 in (3 550 mm)	12 ft 3 in (3 730 mm)	12 ft 3 in (3 730 mm)	13 ft 3 in (4 050 mm)
22 ft 8 in (6 900 mm)	11 ft 10 in (3 610 mm)	23 ft 4 in (7 100 mm)	24 ft 1 in (7 340 mm)	25 ft 4 in (7 720 mm)	21 ft 4 in (6 490 mm)	27 ft 7 in (8 400 mm)
33 ft 2 in (10 100 mm)	37 ft 5 in (11 410 mm)	34 ft 5 in (10 490 mm)	36 ft 0 in (10 980 mm)	38 ft 7 in (11 750 mm)	34 ft 7 in (10 550 mm)	42 ft 0 in (12 810 mm)



**CX290D**



**CX300D**



**CX350D**



**CX490D**



**CX500D**



**CX750D**



## **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.

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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.

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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.



**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.**

# CASE

CONSTRUCTION

# CX145D SR

SHORT RADIUS EXCAVATOR

DOZER BLADE

TIER 4 FINAL CERTIFIED



## ENGINE

Model	Isuzu AM-4JJ1X CEGR, SCR and DOC
Emissions Certification	Tier 4 Final
Fuel	Requires ultra low-sulfur fuel B5 biodiesel tolerant
Type	Water-cooled, 4-cycle, high pressure common rail system. Turbo-charged w/ air cooled intercooler
Cylinders	4-cylinder in-line
Displacement	183 in <sup>3</sup> (3.0 L)
Bore/Stroke	3.76 x 4.13 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 gradeability:	
Side-to-side	35°
Fore and aft	35°
Net horsepower – SAE J1349 @ 2000 RPM:	102 hp (76.4 kW)
Net max. torque – SAE J1349 @ 1800 RPM:	257 lb-ft (349 N·m)
Cooling operating 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:	
Max. high speed	3.5 mph (5.6 kph)
Max. low speed	2.1 mph (3.4 kph)
Automatic downshift	
Drawbar pull	26,100 lbf (116 kN)
Gradeability	70% – 35° slope

## ELECTRICAL

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

## OPERATOR ENVIRONMENT

Air-conditioner output	13,492 BTU/hr
Heater output	12,897 BTU/hr
Sound level inside cab – ISO6395	70 dBA
Electrical outlet	12 Volt
Cab interior light	10 watt
Side view camera – right	Standard
Seat	Air-suspension

## ATTACHMENT

Boom	15 ft 2 in (4 630 mm)
Arm	8 ft 2 in (2 500 mm)
Bucket digging force	20,200 lb-ft (90 kN)
w/ Auto Power-Boost	21,400 lb-ft (95 kN)

NOTE: \*Digging force ratings based on ISO6015.

## OPERATING WEIGHT

Operating weight	33,600 lb (15 200 kg)
w/ shoes	2 ft 0 in (600 mm)
w/ boom	15 ft 2 in (4 630 mm)
w/ arm	8 ft 2 in (2 500 mm)
w/ bucket	882 lb (400 kg)
w/ blade	8 ft 6 in (2 590 mm)
w/ counterweight	7,860 lb (3 570 kg)

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

## GROUND PRESSURE

@ Standard operating weight 5.9 psi (0.41 bar)  
w/ 23.6 in (600 mm) triple grouser shoes,  
8 ft 2 in (2.5 m) Arm, 0.65 yd<sup>3</sup> (0.5 m<sup>3</sup>) bucket

## HYDRAULICS

System design	Open center
Main pumps	Two-variable displacement/ axial piston
Max. rated flow per pump:	34.1 gpm (129 L/min) @ 2000 RPM
Max. rated flow total:	65.5 gpm (248 L/min) @ 2000 RPM
System pressures:	
Boom, arm and bucket	4,970 psi (343 bar)
w/ power boost	5,260 psi (363 bar)
Travel circuit	4,970 psi (343 bar)
Swing circuit	4,050 psi (279 bar)
Blade circuit	2,990 psi (206 bar)
Pilot pump	1 x gear design
Max. capacity	5.3 gpm (20 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. 1 x Five-spool section

Blade 1 x One-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

## HYDRAULIC CYLINDERS

Boom cylinders	Two (2)
Cylinder bore	4.1 in (105 mm)
Cylinder rod diameter	3.0 in (75 mm)
Cylinder stroke	44.1 in (1 120 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 (1 108 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)
Blade cylinder	Two (2)
Cylinder bore	4.5 in (115 mm)
Cylinder rod diameter	2.8 in (70 mm)
Cylinder stroke	9.8 in (250 mm)

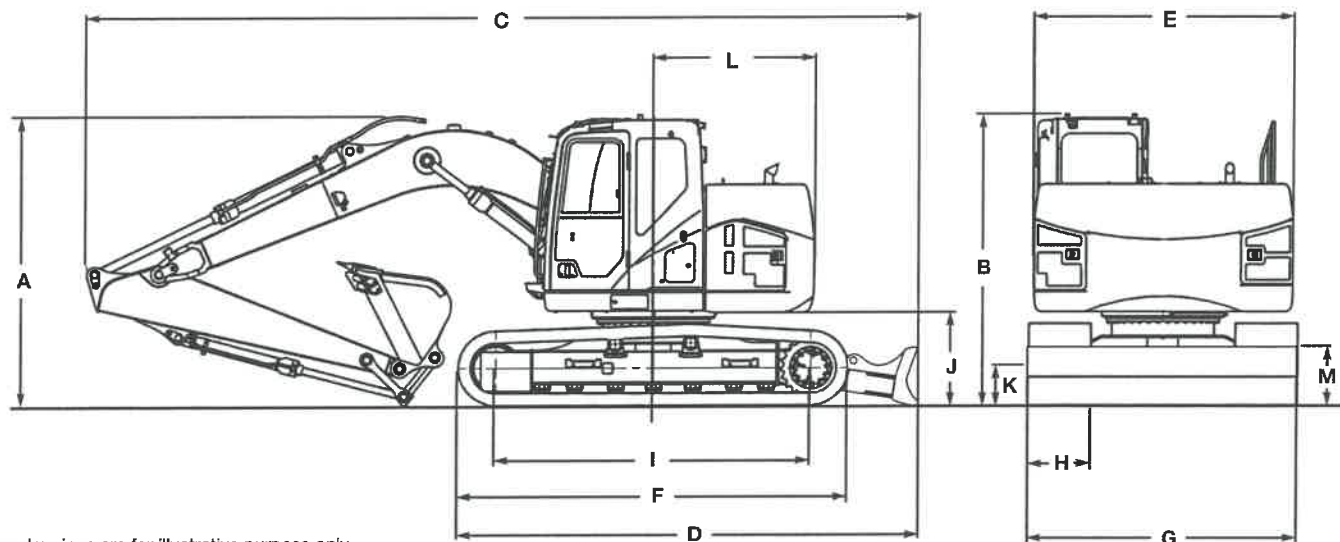
## SERVICE CAPACITIES

Fuel tank	53 gal (200 L)
Hydraulic system	42 gal (158 L)
Hydraulic tank	20 gal (75 L)
Engine oil w/ filter	4.5 gal (17 L)
Swing drive	0.6 gal (2.2 L)
Final drive	0.6 gal (2.1 L)
Cooling system	4.4 gal (16.5 L)
Def Tank	11.9 gal (45 L)

## OTHER SPECIFICATIONS

Swing speed	0 – 12.5 RPM
Swing torque	27,400 lb-ft (37 000 N·m)
Swing brake	Mechanical disc
Undercarriage:	
Length	13 ft 8 in (4 160 mm)
Track gauge	6 ft 6 in (1 990 mm)
Carrier rollers – each side	1
Track rollers – each side	7
Shoes – triple grouser – each side	43
Shoe width – std.	2 ft 0 in (600 mm)
Link pitch	6.8 in (172 mm)
Track:	
Chain	Grease lubricated/strutted
Guides	Single
Adjustment	Hydraulic

Application	Width	SAE Rated Capacity
Heavy-Duty Pin-On	18 in to 48 in (457 mm to 1 219 mm)	0.36 yd <sup>3</sup> to 1.08 yd <sup>3</sup> (0.28 m <sup>3</sup> to 0.83 m <sup>3</sup> )
Heavy-Duty Hi-Capacity Pin-On	18 in to 42 in (457 mm to 1 067 mm)	0.42 yd <sup>3</sup> to 1.08 yd <sup>3</sup> (0.32 m <sup>3</sup> to 0.83 m <sup>3</sup> )
Heavy-Duty Coupler	18 in to 48 in (457 mm to 1 219 mm)	0.31 yd <sup>3</sup> to 0.95 yd <sup>3</sup> (0.24 m <sup>3</sup> to 0.73 m <sup>3</sup> )
Ditch Cleaning Pin-On	48 in to 60 in (1 219 mm to 1 524 mm)	0.64 yd <sup>3</sup> to 1.02 yd <sup>3</sup> (0.49 m <sup>3</sup> to 0.78 m <sup>3</sup> )



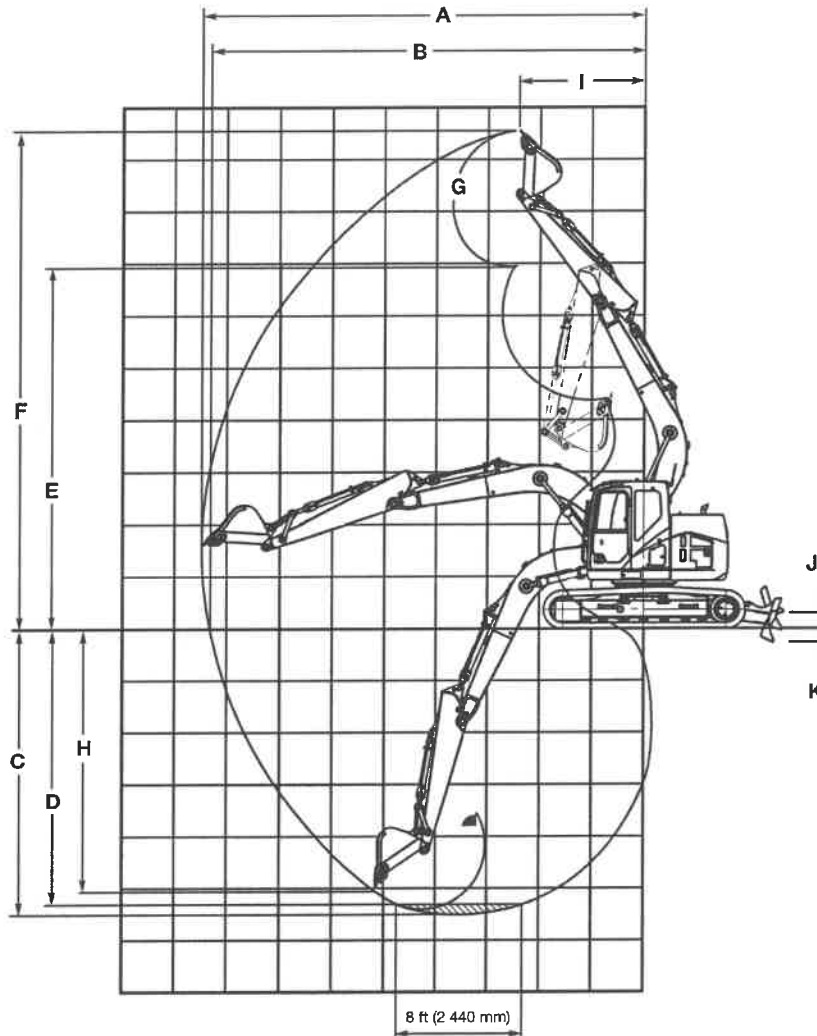
Line drawings are for illustrative purpose only and may not be exact representation of unit.

**DIMENSIONS**

	8 ft 2 in (2.50 m) Arm	9 ft 10 in (3.01 m) Arm	6 ft 11 in (2.11 m) Arm
A. Overall height – to top of boom	9 ft 4 in (2 840 mm)	8 ft 10 in (2 680 mm)	9 ft 0 in (2 750 mm)
B. Cab height	9 ft 3 in (2 820 mm)	9 ft 3 in (2 820 mm)	9 ft 3 in (2 820 mm)
C. Overall length – with attachment	25 ft 10 in (7 880 mm)	25 ft 9 in (7 860 mm)	25 ft 10 in (7 870 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 2 in (2 490 mm)	8 ft 2 in (2 490 mm)	8 ft 2 in (2 490 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 (2 790 mm)	9 ft 2 in (2 790 mm)	9 ft 2 in (2 790 mm)
J. Upper structure ground clearance	2 ft 11 in (880 mm)	2 ft 11 in (880 mm)	2 ft 11 in (880 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	5 ft 0 in (1 530 mm)	5 ft 0 in (1 530 mm)	5 ft 0 in (1 530 mm)
M. Blade Height	22 in (570 mm)	22 in (570 mm)	22 in (570 mm)

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.





**PERFORMANCE SPECS**

	<b>8 ft 2 in (2.50 m) Arm</b>	<b>9 ft 10 in (3.01 m) Arm</b>	<b>6 ft 11 in (2.11 m) Arm</b>
A. Maximum dig radius	27 ft 2 in (8 290 mm)	28 ft 8 in (8 740 mm)	26 ft 1 in (7 940 mm)
B. Dig radius at groundline	26 ft 8 in (8 140 mm)	28 ft 3 in (8 600 mm)	25 ft 6 in (7 780 mm)
C. Maximum dig depth	18 ft 1 in (5 510 mm)	19 ft 9 in (6 010 mm)	16 ft 9 in (5 110 mm)
D. Dig depth – 8 ft 0 in (2.44 m) level bottom	17 ft 4 in (5 290 mm)	19 ft 2 in (5 830 mm)	16 ft 0 in (4 870 mm)
E. Dump height	22 ft 9 in (6 940 mm)	23 ft 11 in (7 290 mm)	21 ft 10 in (6 660 mm)
F. Maximum reach height	30 ft 8 in (9 340 mm)	31 ft 9 in (9 690 mm)	29 ft 9 in (9 060 mm)
G. Bucket rotation	178°	178°	178°
H. Maximum vertical wall dig depth	16 ft 1 in (4 900 mm)	17 ft 4 in (5 280 mm)	15 ft 0 in (4 560 mm)
I. Minimum swing radius	7 ft 8 in (2 340 mm)	9 ft 0 in (2 750 mm)	6 ft 8 in (2 030 mm)
J. Blade Maximum lift above ground	1 ft 8 in (510 mm)	1 ft 8 in (510 mm)	1 ft 8 in (510 mm)
K. Blade Minimum drop below ground	1 ft 9 in (520 mm)	1 ft 9 in (520 mm)	1 ft 9 in (520 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 3 in (2.50 m) Arm** Lift capacities calculated using a 880 lb (400 kg) bucket, 7,860 lb (3 570 kg) counterweight with dozer blade on ground.

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)		MAXIMUM REACH		
	@	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)	11 ft 1 in (3.43 m)	3,900 lb* (1 850 kg)*	3,900 lb* (1 850 kg)*					4,850 lb* (2 380 kg)*	4,850 lb* (2 380 kg)*					16 ft 8 in (5.24 m)	2,950 lb* (1 310 kg)*	2,950 lb* (1 310 kg)*
+20 ft (6 m)	12 ft 1 in (3.68 m)	7,100 lb* (3 250 kg)*	7,100 lb* (3 250 kg)*					6,350 lb* (2 980 kg)*	6,350 lb* (2 980 kg)*	4,800 lb* (2 340 kg)*	4,800 lb* (2 340 kg)*			21 ft 9 in (6.70 m)	2,450 lb* (1 110 kg)*	2,450 lb* (1 110 kg)*
+15 ft (4.5 m)	10 ft 7 in (3.18 m)	8,050 lb* (3 680 kg)*	8,050 lb* (3 680 kg)*					8,050 lb* (3 710 kg)*	8,050 lb* (3 710 kg)*	6,400 lb* (2 950 kg)*	5,500 lb* (2 560 kg)	2,447 lb* (1 110 kg)*	2,447 lb* (1 110 kg)*	24 ft 7 in (7.52 m)	2,350 lb* (1 050 kg)*	2,350 lb* (1 050 kg)*
+10 ft (3 m)	4 ft 10 in (1.53 m)	16,300 lb* (6 850 kg)*	16,300 lb* (6 850 kg)*	28,250 lb* (12 814 kg)	28,250 lb* (12 814 kg)	15,650 lb* (7 270 kg)*	15,650 lb* (7 270 kg)*	11,450 lb* (5 280 kg)*	8,450 lb* (3 920 kg)	8,300 lb* (3 880 kg)*	5,300 lb* (2 450 kg)	4,500 lb* (2 320 kg)*	3,550 lb* (1 660 kg)	26 ft 0 in (7.92 m)	2,350 lb* (1 060 kg)*	2,350 lb* (1 060 kg)*
+5 ft (1.5 m)	7 ft 1 in (2.15 m)	8,050 lb* (3 620 kg)*	8,050 lb* (3 620 kg)*			21,350 lb* (9 970 kg)*	15,000 lb* (6 970 kg)	13,750 lb* (6 350 kg)	7,900 lb* (3 730 kg)	10,300 lb* (4 750 kg)	5,000 lb* (2 390 kg)	5,450 lb* (2 780 kg)*	3,450 lb* (1 610 kg)	26 ft 3 in (8.00 m)	2,450 lb* (1 120 kg)*	2,450 lb* (1 120 kg)*
Groundline	4 ft 8 in (1.43 m)	5,800 lb* (2 630 kg)*	5,800 lb* (2 630 kg)*	6,200 lb* (2 770 kg)*	6,200 lb* (2 770 kg)*	19,250 lb* (8 350 kg)*	14,000 lb* (6 510 kg)	14,650 lb* (6 760 kg)*	7,450 lb* (3 460 kg)	10,600 lb* (4 890 kg)*	4,800 lb* (2 230 kg)	4,450 lb* (2 490 kg)*	3,350 lb* (1 570 kg)	25 ft 6 in (7.77 m)	2,750 lb* (1 250 kg)*	2,750 lb* (1 250 kg)*
-5 ft (-1.5 m)	0 ft 9 in (0.24 m)	8,000 lb* (3 590 kg)*	8,000 lb* (3 590 kg)*	11,500 lb* (5 170 kg)*	11,500 lb* (5 170 kg)*	21,350 lb* (9 630 kg)*	13,850 lb* (6 460 kg)	14,150 lb* (6 550 kg)	7,250 lb* (3 270 kg)	10,050 lb* (4 600 kg)*	4,700 lb* (2 190 kg)			23 ft 8 in (7.22 m)	3,350 lb* (1 510 kg)*	3,350 lb* (1 510 kg)*
-10 ft (-3 m)	1 ft 7 in (0.46 m)	13,000 lb* (5 810 kg)*	13,000 lb* (5 810 kg)*	18,250 lb* (8 110 kg)*	18,250 lb* (8 110 kg)*	17,250 lb* (8 000 kg)*	14,100 lb* (6 560 kg)	11,750 lb* (5 490 kg)*	7,350 lb* (3 420 kg)	6,750 lb* (3 530 kg)*	4,800 lb* (2 250 kg)			20 ft 5 in (6.26 m)	4,650 lb* (2 070 kg)*	4,650 lb* (2 070 kg)*
-15 ft (-4.5 m)	6 ft 3 in (1.77 m)	11,650 lb* (5 760 kg)*	11,650 lb* (5 760 kg)*			9,350 lb* (4 530 kg)*	9,350 lb* (4 530 kg)*	5,000 lb* (2 670 kg)*	5,000 lb* (2 670 kg)*					15 ft 1 in (4.69 m)	4,700 lb* (2 220 kg)*	4,700 lb* (2 220 kg)*

**9 ft 10 in (3.01 m) Arm** Lift capacities calculated using a 750 lb (340 kg) bucket, 7,860 lb (3 570 kg) counterweight with dozer blade on ground.

Load (Lift Point Height)	MINIMUM REACH			0 ft (0 m)		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	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)	12 ft 10 in (3.95 m)	4,400 lb* (2 080 kg)*	4,400 lb* (2 080 kg)*							5,150 lb* (2 350 kg)*	5,150 lb* (2 350 kg)*					19 ft 1 in (5.96 m)	2,850 lb* (1 280 kg)*	2,850 lb* (1 280 kg)*
+20 ft (6 m)	13 ft 9 in (4.18 m)	6,150 lb* (2 800 kg)*	6,150 lb* (2 800 kg)*							6,000 lb* (2 760 kg)*	6,000 lb* (2 760 kg)*	4,950 lb* (2 300 kg)*	4,950 lb* (2 300 kg)*			23 ft 7 in (7.25 m)	2,500 lb* (1 120 kg)*	2,500 lb* (1 120 kg)*
+15 ft (4.5 m)	12 ft 6 in (3.76 m)	6,550 lb* (2 990 kg)*	6,550 lb* (2 990 kg)*							6,750 lb* (3 090 kg)*	6,750 lb* (3 090 kg)*	5,800 lb* (2 740 kg)*	5,600 lb* (2 610 kg)*	4,000 lb* (2 000 kg)*	3,750 lb* (1 750 kg)	26 ft 2 in (8.00 m)	2,400 lb* (1 080 kg)*	2,400 lb* (1 080 kg)*
+10 ft (3 m)	7 ft 1 in (2.04 m)	9,650 lb* (4 610 kg)*	9,650 lb* (4 610 kg)*					9,900 lb* (4 640 kg)*	9,900 lb* (4 640 kg)*	9,200 lb* (4 260 kg)*	8,550 lb* (3 960 kg)	7,550 lb* (3 510 kg)*	5,400 lb* (2 610 kg)	5,400 lb* (2 570 kg)*	3,650 lb* (1 700 kg)	27 ft 6 in (8.38 m)	2,400 lb* (1 080 kg)*	2,400 lb* (1 080 kg)*
+5 ft (1.5 m)	6 ft 10 in (2.08 m)	8,300 lb* (3 800 kg)*	8,300 lb* (3 800 kg)*					19,450 lb* (9 950 kg)*	15,400 lb* (7 170 kg)	13,050 lb* (6 400 kg)*	8,050 lb* (3 730 kg)	9,950 lb* (4 590 kg)*	5,100 lb* (2 370 kg)	6,400 lb* (3 080 kg)*	3,500 lb* (1 610 kg)	27 ft 9 in (8.46 m)	2,500 lb* (1 150 kg)*	2,500 lb* (1 150 kg)*
Groundline	4 ft 4 in (1.32 m)	5,650 lb* (2 560 kg)*	5,650 lb* (2 560 kg)*			6,350 lb* (2 840 kg)*	6,350 lb* (2 840 kg)*	22,300 lb* (9 660 kg)*	14,050 lb* (6 540 kg)	14,450 lb* (6 670 kg)*	7,500 lb* (3 480 kg)	10,500 lb* (4 860 kg)*	4,850 lb* (2 240 kg)	6,700 lb* (3 290 kg)*	3,400 lb* (1 570 kg)	27 ft 1 in (8.24 m)	2,800 lb* (1 270 kg)*	2,800 lb* (1 270 kg)*
-5 ft (-1.5 m)	0 ft 0 in (0.00 m)	8,650 lb* (3 900 kg)*	8,650 lb* (3 900 kg)*	8,600 lb* (3 900 kg)*	8,600 lb* (3 900 kg)*	10,550 lb* (4 730 kg)*	10,550 lb* (4 730 kg)*	21,600 lb* (9 440 kg)*	13,650 lb* (6 370 kg)	14,350 lb* (6 640 kg)*	7,200 lb* (3 340 kg)	10,300 lb* (4 770 kg)*	4,650 lb* (2 170 kg)	4,250 lb* (2 430 kg)*	3,350 lb* (1 550 kg)	25 ft 4 in (7.72 m)	3,350 lb* (1 500 kg)*	3,250 lb* (1 480 kg)
-10 ft (-3 m)	0 ft 0 in (0.00 m)	11,400 lb* (5 160 kg)*	11,400 lb* (5 160 kg)*	11,400 lb* (5 160 kg)*	11,400 lb* (5 160 kg)*	15,650 lb* (6 940 kg)*	15,650 lb* (6 940 kg)*	18,950 lb* (8 780 kg)*	13,800 lb* (6 430 kg)	12,750 lb* (5 920 kg)*	7,250 lb* (3 360 kg)	8,700 lb* (4 100 kg)*	4,750 lb* (2 190 kg)			22 ft 4 in (6.84 m)	4,000 lb* (1 970 kg)*	4,000 lb* (1 800 kg)
-15 ft (-4.5 m)	3 ft 3 in (0.91 m)	18,950 lb* (8 240 kg)*	18,950 lb* (8 240 kg)*			19,350 lb* (9 240 kg)*	19,350 lb* (9 240 kg)*	12,550 lb* (5 950 kg)*	12,550 lb* (5 950 kg)*	8,200 lb* (3 960 kg)*	7,350 lb* (3 430 kg)*			17 ft 6 in (5.42 m)	5,300 lb* (2 440 kg)*	5,300 lb* (2 440 kg)*		

**6 ft 11 in (2.11 m) Arm** Lift capacities calculated using a 900 lb (410 kg) bucket, 7,860 lb (3 570 kg) counterweight with dozer blade on ground.

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)		MAXIMUM REACH		
	@	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	END	SIDE	@	END	SIDE
+25 ft (7.5 m)	9 ft 8 in (3.01 m)	3,500 lb* (1 670 kg)*	3,500 lb* (1 670 kg)*			3,800 lb* (1 724 kg)	3,800 lb* (1 724 kg)	(1 990 kg)*	(1 990 kg)*					14 ft 7 in (4.63 m)	3,650 lb* (1 620 kg)*	3,650 lb* (1 620 kg)*
+20 ft (6 m)	10 ft 10 in (3.3 m)	7,350 lb* (3 520 kg)*	7,350 lb* (3 520 kg)*					6,900 lb* (3 210 kg)*	6,900 lb* (3 210 kg)*	3,800 lb* (2 190 kg)*	3,800 lb* (2 190 kg)*			20 ft 4 in (6.26 m)	3,000 lb* (1 350 kg)*	3,000 lb* (1 350 kg)*
+15 ft (4.5 m)	8 ft 3 in (2.46 m)	5,500 lb* (2 450 kg)*	5,500 lb* (2 450 kg)*			10,000 lb* (4 600 kg)*	10,000 lb* (4 600 kg)*	9,450 lb* (4 390 kg)*	8,650 lb* (4 020 kg)	7,150 lb* (3 340 kg)*	5,350 lb* (2 500 kg)			23 ft 4 in (7.14 m)	2,800 lb* (1 260 kg)*	2,800 lb* (1 260 kg)*
+10 ft (3 m)	6 ft 3 in (1.94 m)	14,450 lb* (6 550 kg)*	14,450 lb* (6 550 kg)*			17,400 lb* (8 050 kg)*	16,200 lb* (7 520 kg)	12,050 lb* (5 560 kg)*	8,250 lb* (3 830 kg)	9,450 lb* (4 410 kg)*	5,150 lb* (2 400 kg)	3,594 lb* (1 630 kg)*	3,109 lb* (1 610 kg)	24 ft 10 in (7.57 m)	2,800 lb* (1 260 kg)*	2,800 lb* (1 260 kg)*
+5 ft (1.5 m)	8 ft 1 in (2.46 m)	8,700 lb* (3 910 kg)*	8,700 lb* (3 910 kg)*			21,600 lb* (10 000 kg)*	14,500 lb* (6 750 kg)	14,050 lb* (6 510 kg)*	7,700 lb* (3 580 kg)	10,400 lb* (4 800 kg)*	4,900 lb* (2 280 kg)	3,350 lb* (2 180 kg)*	3,350 lb* (1 580 kg)	25 ft 1 in (7.65 m)	2,950 lb* (1 330 kg)*	2,950 lb* (1 330 kg)*
Groundline	6 ft 2 in (1.87 m)	6,750 lb* (3 050 kg)*	6,750 lb* (3 050 kg)*			17,600 lb* (7 640 kg)*	13,700 lb* (6 370 kg)	14,550 lb* (6 720 kg)*	7,300 lb* (3 400 kg)	10,500 lb* (4 850 kg)*	4,700 lb* (2 190 kg)			24 ft 4 in (7.41 m)	3,300 lb* (1 480 kg)*	3,300 lb* (1 480 kg)*
-5 ft (-1.5 m)	2 ft 1 in (0.63 m)	8,850 lb* (3 970 kg)*	8,850 lb* (3 970 kg)*	12,450 lb* (5 600 kg)*	12,450 lb* (5 600 kg)*	20,300 lb* (9 350 kg)*	13,800 lb* (6 440 kg)	13,700 lb* (6 340 kg)*	7,200 lb* (3 350 kg)	9,550 lb* (4 450 kg)*	4,700 lb* (2 170 kg)			22 ft 4 in (6.82 m)	4,000 lb* (1 810 kg)*	3,950 lb* (1 800 kg)
-10 ft (-3 m)	3 ft 0 in (0.89 m)	15,850 lb* (7 030 kg)*	15,850 lb* (7 030 kg)*	18,750 lb* (8 340 kg)*	18,750 lb* (8 340 kg)*	15,400 lb* (7 170 kg)*	13,950 lb* (6 500 kg)	10,600 lb* (4 980 kg)*	7,400 lb* (3 430 kg)					18 ft 11 in (5.8 m)	5,700 lb* (2 520 kg)*	5,200 lb* (2 340 kg)
-15 ft (-4.5 m)	9 ft 6 in (2.9 m)	6,945 lb* (3 150 kg)*	6,945 lb* (3 150 kg)*			6,790 lb* (3 080 kg)*	6,790 lb* (3 080 kg)*							12 ft 5 in (3.79 m)	4,982 lb* (2 260 kg)*	4,982 lb* (2 260 kg)*

NOTE: \*Following number indicates hydraulic capacity

## STANDARD EQUIPMENT

### ENGINE

Isuzu four-cylinder turbo-charged diesel  
Tier 4 Final – CEGR, DOC, SCR  
Electronic fuel injection  
High pressure common rail system  
Diesel Oxidation Catalyst System (DOC)  
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  
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  
Auto travel speed change  
Selectable work modes  
ISO pattern controls  
Pre-set auxiliary pump settings  
Auxiliary valve  
5,000-hour hydraulic oil change interval  
1,000-hour hydraulic filter change interval  
SAHR brake  
Free Swing  
Control Pattern Selector

## OPTIONAL EQUIPMENT

### HYDRAULICS

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

### 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

### 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  
Foldable hand rails  
Arm and boom regeneration

### OPERATOR ENVIRONMENT

ROPS protection  
FOPS cab top guard (Level 1)  
Pressurized cab  
One-touch lock front window  
AC/heat/defrost with auto climate control  
Color monitor – 7 in (180 mm)  
Interior dome light  
Air-suspension seat (cloth)  
Seatbelt – 3 in (76 mm)  
Adjustable armrests  
Tilting consoles – 4-position  
Low-effort joystick controls  
Sliding cockpit – 7 in (180 mm)  
Straight travel  
AM/FM Radio with Bluetooth, antenna  
and two speakers  
Aux-in port for personal electronics  
Rear-view camera  
Anti-theft system (start code system)  
Side view camera – right  
Rubber floor mat  
12-volt electric outlet

### ATTACHMENTS

Standard arm – 9 ft 11 in (3.01 m)  
Heavy-duty arm – 6 ft 10 in (2.11 m)  
Coupler/Case multi-pin grabber  
Buckets:  
Heavy-duty  
Extreme-duty  
Load holding control  
Hose Burst Check Valve (HBCV)

### UNDERCARRIAGE

27.6 in (700 mm) steel shoes,  
triple semi-grouser  
20.0 in (500 mm) rubber shoes  
Double track chain guides

24-volt cigarette lighter  
External rearview mirrors  
Windshield wiper/washer  
Clear (polycarbonate) roof window  
with sunshade  
Cup holder  
Storage compartments  
On-board diagnostic system  
Travel alarm with cancel switch  
One key start and lock-up

### UNDERCARRIAGE

23.6 in (600 mm) steel shoes,  
triple grouser  
Full overlap turntable bearing tub  
Hydraulic track adjustment  
X-pattern carbody

### DOZER BLADE

Front dozer blade – 8 ft 6 in (2.59 m) width,  
22 in (570 mm) height, comes with 23.6 in  
(600 mm) steel shoes

### TELEMATICS

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

### OPERATOR ENVIRONMENT

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  
Refueling pump



# ProCare



## **WARRANTY, MAINTENANCE AND TELEMATICS. ALL OF IT. STANDARD. AND ONLY FROM CASE.**

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 and keeps you covered for up to three full years. It gives you the assurance your growing business needs to stay competitive, productive and profitable.

