



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: 312401

Doc Description: OPEN END CONTRACT: CLASS 310 HYDRAULIC TRACK EXCAVATOR

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-03-31	2017-05-09 13:30:00	CRFQ 0803 DOT1700000076	1

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:
C. I. Walker Machinery Co.
P.O. Box 2427
Charleston, WV 25329
(304) 949-6400

05/09/17 13:03:17
 West Virginia Purchasing 00-12108

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X *Mark A. Atkins* FEIN # 55-0352647 DATE 5/9/17

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

ADDITIONAL INFORMATION:

The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways, Department of Transportation to establish an open-end contract for Class 310 Hydraulic Track Excavator per 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	Vendor shall use Exhibit_A Pricing Page for bid pricing.	15.00000	EA	\$ 170,000.00	\$ 2,550,000.00

Comm Code	Manufacturer	Specification	Model #
22101526	Caterpillar	Hydraulic Track Excavator	315F

Extended Description :

OPEN END CONTRACT TO PROVIDE : CLASS 310 HYDRAULIC TRACK EXCAVATOR:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing. if bidding online vendor must attach the pricing page and Exhibit_B information attachment to their bid. See Section 18 of Instructions to Bidders for additional information.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting:	2017-04-20
2	Technical Questions due by:	2017-04-24

DOT1700000076	Document Phase Final	Document Description OPEN END CONTRACT: CLASS 310 HYDRAULIC TRACK EXCAVATOR	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions



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: 312401

Doc Description: ADDENDUM_1: CLASS 310 HYDRAULIC TRACK EXCAVATOR

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-04-27	2017-05-09 13:30:00	CRFQ 0803 DOT1700000076	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:

*C.I. Walker Machinery Co.
 P.O. Box 2427
 Charleston, WV 25329
 (304) 949-6400*

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X *Mark A. Atkins*

FEIN # *55-0352647*

DATE *5/2/17*

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

ADDITIONAL INFORMATION:

ADDENDUM 1: Is issued for the following:

1. Attachment of Pre-Bid sign in sheets.
2. Attachment of vendor questions with Agency responses.

NO OTHER CHANGES

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	Vendor shall use Exhibit_A Pricing Page for bid pricing.	0.00000 15.000	EA	\$ 170,000.00	\$ 2,550,000.00

Comm Code	Manufacturer	Specification	Model #
22101526	Caterpillar	Hyd. Track Excavator	315F

Extended Description :

OPEN END CONTRACT TO PROVIDE : CLASS 310 HYDRAULIC TRACK EXCAVATOR:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line. Vendor shall enter pricing into the Exhibit_A Excel page and must attach with bid.
See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting:	2017-04-20
2	Technical Questions due by:	2017-04-24

DOT1700000076	Document Phase Final	Document Description ADDENDUM_1: CLASS 310 HYDRAULIC TRACK EXCAVATOR	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

ATTACHMENT A

ADDENDUM_1

CRFQ 0803 DOT1700000076

HYDRAULIC TRACK EXCAVATOR

The original language in contract will be listed first with question and answer to follow below.

1. 3.1.2.1 Engine shall be 90 horsepower minimum; turbocharged diesel Tier 4 Interim and shall have a pressurized liquid cooling system with thermostat, filled with manufacturers approved extended life permanent type anti-freeze that provides protection to at least -30 degrees F.

Engine shall include the following characteristics;

- A. Water separator 4 micron maximum.
- B. Filter in fuel line
- C. Alternator 80 amp minimum
- D. Electric fuel priming pump
- E. Engine Block heater, 1500 watt minimum.

All of the questions below fall under this one category.

Question # 1: 3.1.2.1 Due to the size of the excavator and all the hydraulic attachments, shouldn't the engine horsepower be a minimum of 100 HP?

Answer: Horsepower remains at 90.

Question # 2: 3.1.2.1 A.: Will you accept a 10 micron water separator as provided in the past?

Answer: Yes, we will revise this to read: A. Water separator 4 micron minimum.

Question # 3: 3.1.2.1 C. Our alternator is on at 50 amps, is this ok?

Question # 3: 3.1.2.1 C. Will you accept a 50 amp alternator as we have provided in the past?

Question # 3: 3.1.2.1 C. Alternator 80 amp minimum. (Requesting lowering to 50 amp minimum)?

Question # 3: 3.1.2.1 C. Alternator 80 amp minimum Requesting lowering to 50 amp

Answer: Yes, we will revise to read: C. Alternator 50 amp minimum.

Question # 4: 3.1.2.1 E. We do not have an Engine Block Heater, we do have the Glow Plug Start for cold weather assist. Is this ok?

Answer: No, we require an engine block heater.

2. 3.1.3.6 Bucket shall be 0.50 cubic yard capacity minimum, shall have teeth and side cutters and controlled by one (1) hydraulic cylinder.

Question # 1: Do you want bucket pins installed in the .5 cubic yard bucket?

Answer: Yes

3. 3.1.3.12 Unit shall be joystick controlled with a minimum of one (1) additional actuator for auxiliary hydraulics.

Question # 1: Since you are requesting a hydraulic thumb and a hydraulic swivel/coupler, do you want two sets of auxiliary piping installed on the machine (one for each function) or one set of auxiliary piping with a selector valve and flow control valve?

Answer: One set of auxiliary piping with a selector valve and flow control valve.

4. 3.1.4.1 Undercarriage frame shall be manufacturers standard for model bid, and shall include:

- A. Sealed type track
- B. Track guides to prevent track misalignment
- C. Track adjustment shall be of hydraulic design
- D. Manufacturer's triple grouser shoes
- E. Track length minimum 11 feet.
- F. Limited tail swing 5feet, 1inch including manufacturers needed weight(s)
- G. Belly pan guard.

Question # 1: 3.1.4.1 D Is their a preference on Track shoe width (19.7"/23.6"/other)

Answer: We prefer 23" minimum.

Question # 2: 3.1.4.1 F I was needing clarification if we are including the additional counterweight in this 5.1" max.

Answer: We are not including an additional counterweight, this is being deleted.

5. 3.1.5.3 Unit shall have a cushioned adjustable (up, down and swivel) seat with padded arm rest.

Question # 1: states the cab seat should swivel - we would like "swivel" removed from the spec, it's not available.

Question # 2: Operators seat, if possible we would like to have (swivel) removed from the options

Question # 3: Swivel seats are not available on any manufacturers machine. (Requesting to remove this spec.)

Question # 4: Our seat does not swivel is this ok?

Question # 5: Requesting swivel seat be removed from bid spec

Answer: We will remove the swivel section.

6. 3.1.6.1 Blade shall be a minimum of 8 feet 6 inches wide x 20 inches in height.

Question # 1: Our blade is 8'3" wide and 18" in height, is this ok?

Question # 2: states the blade minimum height to be 20 inches. Our blade is 16 inches tall, we'd like this spec to be modified to 16".

Question # 3: Requesting the dimensions be kept the same.

Answer: The blade dimension shall be standard size for unit model bid.

7. 3.1.6.2 Blade shall have a minimum of 20 inches ground clearance when raised, and 18 inch depth below grade when lowered.

Question # 1: If possible we would like to change the blade ground clearance to 19 inches.

Question # 2: Our blade has 18" of ground clearance. Is this ok?

Question # 3: Requesting ground clearance be lowered to 19'6"

Answer: We will revise to 18" ground clearance, this will now read: 3.1.6.2 Blade shall have a minimum of 18 inches ground clearance when raised, and 18 inch depth below grade when lowered.

8. 3.1.7.1 Unit shall have provisions for an extra bolt on counterweight.

Question # 1: Will you delete the spec for the provision for an extra bolt-on counterweight, which cannot be installed on almost all limited tail swing excavators?

Question # 2: Units shall have provisions for an extra bolt on counterweight. (We as do the majority of manufacturers do not offer any bolt on additional counterweight. The 7,860 lb. standard counterweight is engineered for the boom and arm options available for the Case CX 145D Excavator. (Requesting to remove this spec.)

Question # 3: If possible we would like to remove this from the bid.

Question # 4: Requesting this spec be kept in the bid

Answer: This section will be removed from spec.

9. 3.1.8 Tilting Coupler/Swivel

Question # 1: Do you want the swivel/coupler installed on the excavator when it is delivered?

Answer: Yes

10. 3.1.9 Unit shall include a 48 inch minimum finish bucket with a minimum capacity of .60 cubic yard.

Question # 1: Do you want a bolt-on cutting edge installed on the 48" finish bucket?

Answer: No

Question # 2: Does the bucket need a replaceable cutting edge or not?

Answer: No

Question # 3: Do you want bucket pins installed in the finish bucket?

Answer: Yes

11. **6.1 Delivery Time:** Vendor shall deliver standard orders within **120** working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. A completed pilot model for inspection must be provided within **90** working day(s) after receipt of the purchase agreement by the successful vendor. Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays.

Question # 1: Can you increase the delivery time for the pilot model to 120 working days and the standard orders to 150 working days?

Question # 2: Requesting adding 30 days to the pilot model delivery (From 90 days to 120 days) and Standard Orders (From 120 days to 150 days)

Answer: We will change this to read:

6.1 Delivery Time: Vendor shall deliver standard orders within **150** working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. A completed pilot model for inspection must be provided within **120** working day(s) after receipt of the purchase agreement by the successful vendor. Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays.

12. **7.7 Warranty and Service Policy:** The unit must be accompanied upon delivery by the unit's manufacturers executed warranty and service policy.

The Equipment Division is changing this to read and be standard in all of their contracts: this will now read:

Warranty and Service Policy: The bid shall include a breakdown of the complete manufacturer's warranty per section. The unit must be accompanied upon delivery by the unit's manufacturers executed warranty and service policy.



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: 312401

Doc Description: ADDENDUM_2: CLASS 310 HYDRAULIC TRACK EXCAVATOR

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2017-04-27	2017-05-09 13:30:00	CRFQ 0803 DOT1700000076	3

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:

*C. I. Walker Machinery Co.
 P.O. Box 2427
 Charleston, WV 25329
 (304) 949-6400*

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
 (304) 558-2307
 mark.a.atkins@wv.gov

Signature X *Mark A Atkins*

FEIN # 55-0352647

DATE 5/9/17

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

ADDITIONAL INFORMATION:

ADDENDUM : Is issued for the following:

1. Correction of Error: Attachment of Pre-Bid sign in sheets inadvertently left off when publishing Addendum_1 and re-publish the Vendor questions with agency responses.

NO OTHER CHANGES

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	Vendor shall use Exhibit_A Pricing Page for bid pricing.	0.00000 15.0000	EA	\$170,000. ⁰⁰	\$2,550,000. ⁰⁰

Comm Code	Manufacturer	Specification	Model #
22101526	Caterpillar	Hyd. Track Excavator	315F

Extended Description :

OPEN END CONTRACT TO PROVIDE : CLASS 310 HYDRAULIC TRACK EXCAVATOR:

Note: Vendor shall use Exhibit_A Pricing Page(s) for bid pricing.

If vendor is submitting a bid online, Vendor should enter \$0.00 in the Oasis commodity line. Vendor shall enter pricing into the Exhibit_A Excel page and must attach with bid.
See section 18 of Instructions to Bidders.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Mandatory Pre-Bid Meeting:	2017-04-20
2	Technical Questions due by:	2017-04-24

DOT1700000076	Document Phase Final	Document Description ADDENDUM_2: CLASS 310 HYDRAULIC TRACK EXCAVATOR	Page 3 of 3
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

SOLICITATION NUMBER: CRFQ 0803 DOT1700000076

Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as CRFQ 0803 DOT1700000076 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error: to add the Pre-bid sign in sheets inadvertently left of when publishing Addendum_1.
- Other

Description of Modification to Solicitation:

1. **Correction of Error: Attachment of Pre-Bid sign in sheets inadvertently left off when publishing Addendum_1 and re-publish the Vendor questions with agency responses.**

No other changes made.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

PRE-BID CONFERENCE
SIGN IN SHEET

Request for Quotation Number: CRFQ 0803 DOT 17 000 000 76

Date: 4/20/17

Project Description:

HYDRAULIC TRACK EXCAVATOR

PLEASE PRINT LEGIBLY. THIS INFORMATION IS ESSENTIAL TO CONTACT THE ATTENDEES IN A TIMELY MANNER. FAILURE TO DO SO MAY RESULT IN DELAYS IN YOUR COMPANY GETTING IMPORTANT BID INFORMATION.

Firm Name:	Rudd Equipment Company
Firm Address:	500 River Road Nitro, WV 25143
Representative Attending:	Ron Jacob
Phone Number:	304-546-5253
Fax Number:	304-755-7990
Email Address:	rcjacob@ruddequipment.com

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

Firm Name:	Rudd Equipment Company
Firm Address:	500 River Rd. Hub Ind. Park Nitro, WV, 25143
Representative Attending:	Scott Cummings
Phone Number:	304 541-9419
Fax Number:	304 755-7990
Email Address:	SCummings@ruddequipment.com

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

Firm Name:	Anderson Equipment Co.
Firm Address:	1 Andy's Way S. Charleston, WV 25309
Representative Attending:	Brad Coleman
Phone Number:	304-669-6458
Fax Number:	304-756-2799
Email Address:	bcoleman@andersonequip.com

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

PRE-BID CONFERENCE
SIGN IN SHEET

Request for Quotation Number: CRFQ 0203DOT1700000076

Date: 4/20/17

Project Description:

HYDRAULIC TRACK EXCAVATOR

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Firm Name:	<u>WEST VIRGINIA TRACTOR</u>
Firm Address:	<u>P.O. BOX 473 CHARLESTON WV 25322</u>
Representative Attending:	<u>GARY GRADY</u>
Phone Number:	<u>304-346-5301</u>
Fax Number:	<u>304-346-5306</u>
Email Address:	<u>WVTRACTOR@MSK.COM</u>

Firm Name:	<u>State Equipment Inc</u>
Firm Address:	<u>500 New Goff Rd Cross Lanes WV 25313</u>
Representative Attending:	<u>TERRY LANE</u>
Phone Number:	<u>304-776-4405</u>
Fax Number:	<u>304-776-4409</u>
Email Address:	<u>terryl@stateequipment.com</u>

Firm Name:	<u>Leslie Equipment Co</u>
Firm Address:	<u>17 Goff Crossing Dr Cross Lanes WV 25313</u>
Representative Attending:	<u>TRE BANKS</u>
Phone Number:	<u>304-542-0433</u>
Fax Number:	<u>304-204-1811</u>
Email Address:	<u>Bankst@leec.com</u>

Firm Name:	<u>Case</u>
Firm Address:	<u>7940 Wheeler Rd Whitewater Lake MI 49129</u>
Representative Attending:	<u>Adam Doll</u>
Phone Number:	<u>734-2369-0425</u>
Fax Number:	
Email Address:	<u>adamm.doll@case.com</u>

Firm Name:	<u>STATE EQUIPMENT INC</u>
Firm Address:	<u>500 NEW GOFF ROAD CROSS LANES, WV 25313</u>
Representative Attending:	<u>EDDIE RAY JR</u>
Phone Number:	<u>304-776-4405</u>
Fax Number:	<u>304-776-4409</u>
Email Address:	<u>EDDIE@STATEEQUIPMENT.COM</u>

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

PRE-BID CONFERENCE

SIGN IN SHEET

Request for Quotation Number: CRFQ 0203 Do1700000076

Date: 4/20/17

Project Description:

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Firm Name:	<u>Rsh Equipment</u>
Firm Address:	<u>100 Helport Loop Rd. Bridgeport, WV 26330</u>
Representative Attending:	<u>Mike Blickenstaff</u>
Phone Number:	<u>304-677-3881</u>
Fax Number:	<u>304-842-6126</u>
Email Address:	<u>mblickenstaff@rsh.com</u>

Firm Name:	<u>Walker Machinery</u>
Firm Address:	<u>PO Box 2427 Charleston WV 25329</u>
Representative Attending:	<u>Eric Cramer</u>
Phone Number:	<u>304-339-4190</u>
Fax Number:	<u>304-949-7272</u>
Email Address:	<u>ecramer@walker-cat.com</u>

Firm Name:	<u>Walker Machinery</u>
Firm Address:	<u>PO Box 2427 Charleston, WV 25329</u>
Representative Attending:	<u>Jacob Morris</u>
Phone Number:	<u>304-206-8535</u>
Fax Number:	<u>304-949-7272</u>
Email Address:	<u>jmorris@walker-cat.com</u>

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

Firm Name:	
Firm Address:	
Representative Attending:	
Phone Number:	
Fax Number:	
Email Address:	

PRE-BID CONFERENCE
SIGN IN SHEET

Request for Quotation Number: CRFQ 0303DOT1700000076

Date: 4/20/17

Project Description:

HYDRAULIC TRACK EXCAVATOR

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Firm Name: _____
Firm Address: _____
PAM HALL
DOH
Representative Attending: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

Firm Name: _____
Firm Address: _____
Angie Moorman
DOH
Representative Attending: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

Firm Name: _____
Firm Address: _____
MARCEA LEE
DOH
Representative Attending: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

Firm Name: _____
Firm Address: _____
Representative Attending: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

Firm Name: _____
Firm Address: _____
TODD CRAMER II
DOH
Representative Attending: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

Firm Name: _____
Firm Address: _____
Representative Attending: _____
Phone Number: _____
Fax Number: _____
Email Address: _____

ATTACHMENT A

ADDENDUM_2

CRFQ 0803 DOT1700000076

HYDRAULIC TRACK EXCAVATOR

The original language in contract will be listed first with question and answer to follow below.

1. 3.1.2.1 Engine shall be 90 horsepower minimum; turbocharged diesel Tier 4 Interim and shall have a pressurized liquid cooling system with thermostat, filled with manufacturers approved extended life permanent type anti-freeze that provides protection to at least -30 degrees F.

Engine shall include the following characteristics;

- A. Water separator 4 micron maximum.
- B. Filter in fuel line
- C. Alternator 80 amp minimum
- D. Electric fuel priming pump
- E. Engine Block heater, 1500 watt minimum.

All of the questions below fall under this one category.

Question # 1: 3.1.2.1 Due to the size of the excavator and all the hydraulic attachments, shouldn't the engine horsepower be a minimum of 100 HP?

Answer: Horsepower remains at 90.

Question # 2: 3.1.2.1 A.: Will you accept a 10 micron water separator as provided in the past?

Answer: Yes, we will revise this to read: A. Water separator 4 micron minimum.

Question # 3: 3.1.2.1 C. Our alternator is on at 50 amps, is this ok?

Question # 3: 3.1.2.1 C. Will you accept a 50 amp alternator as we have provided in the past?

Question # 3: 3.1.2.1 C. Alternator 80 amp minimum. (Requesting lowering to 50 amp minimum)?

Question # 3: 3.1.2.1 C. Alternator 80 amp minimum Requesting lowering to 50 amp

Answer: Yes, we will revise to read: C. Alternator 50 amp minimum.

Question # 4: 3.1.2.1 E. We do not have an Engine Block Heater, we do have the Glow Plug Start for cold weather assist. Is this ok?

Answer: No, we require an engine block heater.

2. 3.1.3.6 Bucket shall be 0.50 cubic yard capacity minimum, shall have teeth and side cutters and controlled by one (1) hydraulic cylinder.

Question # 1: Do you want bucket pins installed in the .5 cubic yard bucket?

Answer: Yes

3. 3.1.3.12 Unit shall be joystick controlled with a minimum of one (1) additional actuator for auxiliary hydraulics.

Question # 1: Since you are requesting a hydraulic thumb and a hydraulic swivel/coupler, do you want two sets of auxiliary piping installed on the machine (one for each function) or one set of auxiliary piping with a selector valve and flow control valve?

Answer: One set of auxiliary piping with a selector valve and flow control valve.

4. 3.1.4.1 Undercarriage frame shall be manufacturers standard for model bid, and shall include:

- A. Sealed type track
- B. Track guides to prevent track misalignment
- C. Track adjustment shall be of hydraulic design
- D. Manufacturer's triple grouser shoes
- E. Track length minimum 11 feet.
- F. Limited tail swing 5 feet, 1 inch including manufacturers needed weight(s)
- G. Belly pan guard.

Question # 1: 3.1.4.1 D Is there a preference on Track shoe width (19.7"/23.6"/other)

Answer: We prefer 23" minimum.

Question # 2: 3.1.4.1 F I was needing clarification if we are including the additional counterweight in this 5.1" max.

Answer: We are not including an additional counterweight, this is being deleted.

5. 3.1.5.3 Unit shall have a cushioned adjustable (up, down and swivel) seat with padded arm rest.

Question # 1: states the cab seat should swivel - we would like "swivel" removed from the spec, it's not available.

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Answer: The blade dimension shall be standard size for unit model bid.

7. 3.1.6.2 Blade shall have a minimum of 20 inches ground clearance when raised, and 18 inch depth below grade when lowered.

Question # 1: If possible we would like to change the blade ground clearance to 19 inches.

Question # 2: Our blade has 18" of ground clearance. Is this ok?

Question # 3: Requesting ground clearance be lowered to 19'6"

Answer: We will revise to 18" ground clearance, this will now read: 3.1.6.2 Blade shall have a minimum of 18 inches ground clearance when raised, and 18 inch depth below grade when lowered.

8. 3.1.7.1 Unit shall have provisions for an extra bolt on counterweight.

Question # 1: Will you delete the spec for the provision for an extra bolt-on counterweight, which cannot be installed on almost all limited tail swing excavators?

Question # 2: Units shall have provisions for an extra bolt on counterweight. (We as do the majority of manufacturers do not offer any bolt on additional counterweight. The 7,860 lb. standard counterweight is engineered for the boom and arm options available for the Case CX 145D Excavator. (Requesting to remove this spec.)

Question # 3: If possible we would like to remove this from the bid.

Question # 4: Requesting this spec be kept in the bid

Answer: This section will be removed from spec.

9. 3.1.8 Tilting Coupler/Swivel

Question # 1: Do you want the swivel/coupler installed on the excavator when it is delivered?

Answer: Yes

10. 3.1.9 Unit shall include a 48 inch minimum finish bucket with a minimum capacity of .60 cubic yard.

Question # 1: Do you want a bolt-on cutting edge installed on the 48" finish bucket?

Answer: No

Question # 2: Does the bucket need a replaceable cutting edge or not?

Answer: No

Question # 3: Do you want bucket pins installed in the finish bucket?

Answer: Yes

11. 6.1 Delivery Time: Vendor shall deliver standard orders within **120** working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. A completed pilot model for inspection must be provided within **90** working day(s) after receipt of the purchase agreement by the successful vendor. Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays.

Question # 1: Can you increase the delivery time for the pilot model to 120 working days and the standard orders to 150 working days?

Question # 2: Requesting adding 30 days to the pilot model delivery (From 90 days to 120 days) and Standard Orders (From 120 days to 150 days)

Answer: We will change this to read:

6.1 Delivery Time: Vendor shall deliver standard orders within **150** working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. A completed pilot model for inspection must be provided within **120** working day(s) after receipt of the purchase agreement by the successful vendor. Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays.

12. 7.7 Warranty and Service Policy: The unit must be accompanied upon delivery by the unit's manufacturers executed warranty and service policy.

The Equipment Division is changing this to read and be standard in all of their contracts: this will now read:

Warranty and Service Policy: The bid shall include a breakdown of the complete manufacturer's warranty per section. The unit must be accompanied upon delivery by the unit's manufacturers executed warranty and service policy.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFO 0803 DOT1700000076

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 checked="" 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 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.

C.I. Walker Machinery Co

Company

Maurice J. Connor

Authorized Signature

5/9/17

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

Exhibit A

Pricing Page

CRFQ 0803 DOT1700000076

Item Number	Estimated Quantity	Unit of Measure	Description	Unit Price	Total
1	15	Each	One complete unit: Hydraulic Track Excavator	\$ 170,000.00	\$ 2,550,000.00
				Grand Total	\$ 2,550,000.00

Vendor shall list the year, make, and model of the unit being bid:

Year: _____ 2017

Make: _____ Caterpillar

Model: _____ 315F _____

INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. REVIEW DOCUMENTS THOROUGHLY: The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.

2. MANDATORY TERMS: The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.

3. PREBID MEETING: The item identified below shall apply to this Solicitation.

A pre-bid meeting will not be held prior to bid opening

A **NON-MANDATORY PRE-BID** meeting will be held at the following place and time:

A **MANDATORY PRE-BID** meeting will be held at the following place and time:

WV Division of Highways
Equipment Division
83 Brushy Fork Road Crossing
Buckhannon, WV 26201

Time: 10:00am EST

Date: 04/20/2017

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing.

Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. VENDOR QUESTION DEADLINE: Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are nonbinding.

Submitted e-mails should have solicitation number in the subject line.

Question Submission Deadline: April 24, 2017

Submit Questions to: Mark Atkins, Senior Buyer
2019 Washington Street, East
Charleston, WV 25305
Fax: (304) 558-4115 (Vendors should not use this fax number for bid submission)
Email: Mark.A.Atkins@wv.gov

5. VERBAL COMMUNICATION: Any verbal communication between the Vendor and any State personnel is not binding, including verbal communication at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.

6. BID SUBMISSION: All bids must be submitted electronically through wvOASIS or signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include electronic submission via wvOASIS, hand delivery, delivery by courier, or facsimile.

The bid delivery address is:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

A bid that is not submitted electronically through wvOASIS should contain the information listed below on the face of the envelope or the bid may be rejected by the Purchasing Division.:

SEALED BID: Hydraulic Track Excavator
BUYER: Mark Atkins, File#33
SOLICITATION NO.: CRFQ 0803 DOT1700000076
BID OPENING DATE: May 09, 2017
BID OPENING TIME: 1:30pm EST
FAX NUMBER: 304-558-3970

The Purchasing Division may prohibit the submission of bids electronically through wvOASIS at its sole discretion. Such a prohibition will be contained and communicated in the wvOASIS system resulting in the Vendor's inability to submit bids through wvOASIS. Submission of a response to an Expression or Interest or Request for Proposal is not permitted in wvOASIS.

For Request For Proposal ("RFP") Responses Only: In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus N/A convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: (This only applies to CRFP)

- Technical
 Cost

7. BID OPENING: Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by wvOASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery).

Bid Opening Date and Time: May 09, 2017 @ 1:30pm EST

Bid Opening Location: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

8. ADDENDUM ACKNOWLEDGEMENT: Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

9. BID FORMATTING: Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.

10. ALTERNATES: Any model, brand, or specification listed in this Solicitation establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.

11. EXCEPTIONS AND CLARIFICATIONS: The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.

12. COMMUNICATION LIMITATIONS: In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

13. REGISTRATION: Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee, if applicable.

14. UNIT PRICE: Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.

15. PREFERENCE: Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Vendor Preference Certificate form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Vendor Preference Certificate form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.

16. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES: For any solicitations publicly advertised for bid, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to contract award to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.

17. WAIVER OF MINOR IRREGULARITIES: The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.

18. ELECTRONIC FILE ACCESS RESTRICTIONS: Vendor must ensure that its submission in wvOASIS can be accessed and viewed by the Purchasing Division staff immediately upon bid opening. The Purchasing Division will consider any file that cannot be immediately accessed and viewed at the time of the bid opening (such as, encrypted files, password protected files, or incompatible files) to be blank or incomplete as context requires, and are therefore unacceptable. A vendor will not be permitted to unencrypt files, remove password protections, or resubmit documents after bid opening to make a file viewable if those documents are required with the bid. A Vendor may be required to provide document passwords or remove access restrictions to allow the Purchasing Division to print or electronically save documents provided that those documents are viewable by the Purchasing Division prior to obtaining the password or removing the access restriction.

19. NON-RESPONSIBLE: The Purchasing Division Director reserves the right to reject the bid of any vendor as Non-Responsible in accordance with W. Va. Code of State Rules § 148-1-5.3, when the Director determines that the vendor submitting the bid does not have the capability to fully perform, or lacks the integrity and reliability to assure good-faith performance.”

20. ACCEPTANCE/REJECTION: The State may accept or reject any bid in whole, or in part in accordance with W. Va. Code of State Rules § 148-1-4.5. and § 148-1-6.4.b.”

21. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of a Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

Term Contract

Initial Contract Term: This Contract becomes effective on _____ upon award _____ and extends for a period of _____ one (1) _____ year(s).

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to _____ three (3) _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed _____ thirty-six (36) _____ months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

Fixed Period Contract: This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

Fixed Period Contract with Renewals: This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days.

Upon completion, the vendor agrees that maintenance, monitoring, or warranty services will be provided for one year thereafter with an additional _____ successive one year renewal periods or multiple renewal periods of less than one year provided that the multiple renewal periods do not exceed _____ months in total. Automatic renewal of this Contract is prohibited.

One Time Purchase: The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

Other: See attached.

4. NOTICE TO PROCEED: Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Award Document will be considered notice to proceed.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

Open End Contract: Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

Service: The scope of the service to be provided will be more clearly defined in the specifications included herewith.

Combined Service and Goods: The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

One Time Purchase: This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

BID BOND (Construction Only): Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

PERFORMANCE BOND: The apparent successful Vendor shall provide a performance bond in the amount of _____. The performance bond must be received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.

LABOR/MATERIAL PAYMENT BOND: The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

MAINTENANCE BOND: The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

LICENSE(S) / CERTIFICATIONS / PERMITS: In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below prior to Contract award. Subsequent to contract award, and prior to the insurance expiration date, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies mandated herein, including but not limited to, policy cancelation, policy reduction, or change in insurers. The insurance coverages identified below must be maintained throughout the life of this contract. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed in this section.

Vendor must maintain:

Commercial General Liability Insurance in at least an amount of:

Automobile Liability Insurance in at least an amount of: _____

Professional/Malpractice/Errors and Omission Insurance in at least an amount of:

Commercial Crime and Third Party Fidelity Insurance in an amount of:

Cyber Liability Insurance in an amount of: _____

Builders Risk Insurance in an amount equal to 100% of the amount of the Contract.

9. WORKERS' COMPENSATION INSURANCE: The apparent successful Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. LITIGATION BOND: The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.

11. LIQUIDATED DAMAGES: Vendor shall pay liquidated damages in the amount of

for _____

This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.

14. PAYMENT: Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears.

15. PURCHASING CARD ACCEPTANCE: The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.

Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-6.1.e.

20. TIME: Time is of the essence with regard to all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

Revised 01/18/2017

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. BANKRUPTCY: In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.

31. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

32. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

33. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

34. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

35. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

36. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

37. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

38. PURCHASING AFFIDAVIT: In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.

39. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE: This Contract may be utilized by other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts (“Other Government Entities”). Any extension of this Contract to the aforementioned Other Government Entities must be on the same prices, terms, and conditions as those offered and agreed to in this Contract, provided that such extension is in compliance with the applicable laws, rules, and ordinances of the Other Government Entity. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.

40. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

41. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.requisitions@wv.gov.

42. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision. The State reserves the right to prohibit a service provider’s employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

43. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open heath, basic oxygen, electric furnace, Bessemer or other steel making process. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:
- c. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- d. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

44. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

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.

Matthew E. Conner, Sales Representative
(Name, Title)

Matthew E. Conner, Sales Representative
(Printed Name and Title)

P.O. Box 2427, Charleston, WV 25329
(Address)

(304) 759-6400 / (304) 759-6404
(Phone Number) / (Fax Number)

mconner@walker-cat.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.

C.I. Walker Machinery Co
(Company)

Matthew E. Conner, Matthew E Conner, Sales Representative
(Authorized Signature) (Representative Name, Title)

Matthew E. Conner, Sales Representative
(Printed Name and Title of Authorized Representative)

5/9/17
(Date)

(304) 759-6400 / (304) 759-6404
(Phone Number) (Fax Number)

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REQUEST FOR QUOTATION
CLASS 310 HYDRAULIC TRACK EXCAVATOR

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Division of Highways, Department of Transportation to establish an open-end contract for Class 310 Hydraulic Track Excavator.
2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
 - 2.1 **“Contract Item”** or **“Contract Items”** means the list of items identified in Section 3, Subsection 1 below.
 - 2.2 **“Pricing Pages”** means the schedule of prices, estimated order quantity, and totals contained in wvOASIS or attached hereto as Exhibit A, and used to evaluate the Solicitation responses.
 - 2.3 **“Solicitation”** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.
 - 2.4 **“WVDOH”** means West Virginia Division of Highways.
 - 2.5 **“F”** means Fahrenheit.
 - 2.6 **“R.P.M.”** means revolutions per minute.
 - 2.7 **“SAHR”** means spring applied hydraulic release.
 - 2.8 **“ROPS”** means Roll- over protection structure
3. **GENERAL REQUIREMENTS:**
 - 3.1 **Contract Items and Mandatory Requirements:** Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.
 - 3.1.1 **Hydraulic Track Excavator/Link Belt 145X3 LBX or equal with Blade.**
 - 3.1.1.1 Operating weight shall be minimum 33,000 pounds including fuel, thumb, and bucket and blade.

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3.1.1.2 The unit specified herein and offered shall be manufactured on or after January 1, 2017 and will be clearly identified and marked with date of manufacture.

3.1.2 Engine:

3.1.2.1 Engine shall be 90 horsepower minimum; turbocharged diesel Tier 4 Interim or better and shall have a pressurized liquid cooling system with thermostat, filled with manufacturers extended life permanent type anti-freeze that provides protection to at least -30 degrees F.

Engine shall include the following characteristics;

- A. Water separator 4 micron maximum.
- B. Filter in fuel line
- C. Alternator 80 amp minimum
- D. Electric fuel priming pump
- E. Engine Block heater, 1500 watt minimum.

3.1.3 Hydraulic System:

3.1.3.1 Shall have hydraulic system to maintain safe oil temperature within manufacturers recommended operation range during continuous operation under maximum working combinations.

3.1.3.2 Boom length shall be minimum 15 feet and shall be controlled by two (2) hydraulic cylinders minimum.

3.1.3.3 Arm length shall be minimum 8 feet and shall be controlled by one (1) hydraulic cylinder and must have 2-way hydraulic flow at minimum. It shall include a shut off valve at end of piping.

3.1.3.4 Unit shall be equipped with a hydraulic thumb minimum of 18 inches x 46 inches.

3.1.3.5 Tine thickness of thumb shall be 1 inch minimum with a pin diameter of 2 inches minimum and a minimum of four (4) tines.

3.1.3.6 Bucket shall be 0.50 cubic yard capacity minimum, shall have teeth and side cutters and controlled by one (1) hydraulic cylinder.

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3.1.3.7 Drive shall be hydrostatic design with independent track control.

3.1.3.8 Shall have wet multiple disk brakes that automatically release while propelling and apply when stationary.

3.1.3.9 Unit must swing 360° degrees.

3.1.3.10 Swing speed shall be 10 R.P.M. minimum

3.1.3.11 Swing brake shall be SAHR for safety.

3.1.3.12 Unit shall be joystick controlled with a minimum of one (1) additional actuator for auxiliary hydraulics.

3.1.4 Undercarriage:

3.1.4.1 Undercarriage frame shall be manufacturers standard for model bid, and shall include:

- A. Sealed type track
- B. Track guides to prevent track misalignment
- C. Track adjustment shall be of hydraulic design
- D. Manufacturer's triple grouser shoes
- E. Track length minimum 11 feet.
- F. Limited tail swing 5feet,1inch including manufacturers needed weight(s)
- G. Belly pan guard.

3.1.5 Cab:

3.1.5.1 Cab shall be ROPS certified.

3.1.5.2 Cab shall be all weather steel isolation mounted.

3.1.5.3 Unit shall have a cushioned adjustable (up, down and swivel) seat with padded arm rest.

3.1.5.4 Cab shall be equipped with manufacturers' heater and air conditioning system.

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3.1.5.5 Cab shall be equipped with front windshield wiper and washer, intermittent features.

3.1.5.6 Manufacturer's vandalism protection package shall be provided. The vandalism protection package shall include locking cab doors, locking compartments for engine and hydraulic components, locking fuel and radiator access and electrical cut-off switch. All locks except master switch shall be keyed alike.

3.1.5.7 The following shall be included for cab area:

- A. Interior cab light
- B. Work lights at boom and on cab for sufficient night shift operations
- C. Tinted safety glass at all locations
- D. AM and FM radio with antenna
- E. Rear camera/monitor, 7" minimum color LCD display monitor with indicators.

3.1.6 Blade

3.1.6.1 Blade shall be a minimum of 8 feet 6 inches wide x 20 inches in height.

3.1.6.2 Blade shall have a minimum of 20 inches ground clearance when raised, and 18 inch depth below grade when lowered.

3.1.6.3 Blade shall be operable from within the cab.

3.1.7 Counterweight

3.1.7.1 Unit shall have provisions for an extra bolt on counterweight.

3.1.8 Tilting Coupler/Swivel

3.1.8.1 Unit shall include a tilting coupler.

3.1.8.2 Total tilt range 134 degrees minimum.

3.1.8.3 Shall allow for use of OEM bucket

3.1.8.4 Shall include integral quick coupler.

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3.1.9 Finish Bucket

3.1.9 Unit shall include a 48 inch minimum finish bucket with a minimum capacity of .60 cubic yard.

3.1.10 Paint:

3.1.10.1 Unit shall be painted manufacturers standard color.

3.1.11 Advertising:

3.1.7.1 No visible dealer decals shall appear on the exterior surface of the unit. Such logos created through the stamping or casting process of manufacture are accepted.

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price on all Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the pricing pages.

4.2 Pricing Pages: Vendor shall complete the Exhibit_A Pricing Page by entering the Unit Price then multiply that amount by the Estimated Quantity to arrive at a Total Price for the contract item. Then enter the total price as the Grand Total for their bid. The pricing page has been supplied as an Excel document and formatted to calculate automatically the Total and Grand Total when the Unit Price is entered. NOTE: The Vendor is responsible to ensure the calculations for their bid is correct. Vendor shall list the year, make, and model of the unit being bid on the pricing page. Vendor shall complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

The Pricing Pages contain a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the Contract or any individual item is guaranteed or implied.

Vendor should electronically enter the information into the Pricing Pages through wvOASIS, if available, or as an electronic document. In most cases, the Vendor can request an electronic copy of the Pricing Pages for bid

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purposes by sending an email request to the following address:
Mark.A.Atkins@wv.gov

5. ORDERING AND PAYMENT:

- 5.1 Ordering:** Vendor shall accept orders by regular mail, facsimile, e-mail, or any other written forms of communication.
- 5.2 Payment:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

6. DELIVERY AND RETURN:

- 6.1 Delivery Time:** Vendor shall deliver standard orders within **120** working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met. A completed pilot model for inspection must be provided within **90** working day(s) after receipt of the purchase agreement by the successful vendor. Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays.
- 6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if orders will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the delayed order, and/or obtaining the items ordered from a third party.

Any Agency seeking to obtain items from a third party under this provision must first obtain approval of the Purchasing Division.

- 6.3 Delivery Payment/Risk of Loss:** Standard order delivery shall be F.O.B. destination to the Agency's location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery.
- 6.4 Representative Unit for Test:** The successful vendor must (if specified) provide the DOH one (1) completed represented unit to be observed and evaluated on each order to insure compliance with specification. If requested, the time period for testing and evaluation shall be seven (7) working days following receipt of the unit. DOH will incur no obligation for deterioration of surfaces, finishes, seals, and mechanical or electrical parts on the unit resulting from operation and testing within the limits of these specifications; nor will DOH incur obligation for damage to the unit resulting from failure to meet specifications when due care and attention is given by DOH and testing is done within the limits of these specifications. Failure of the pilot unit to satisfactorily meet specifications as bid may be

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cause for cancellation of the purchase order, and return of the delivered unit along with all associated equipment to the vendor at the vendor's expense.

6.5 Condition of Unit(s) upon Delivery: All units must arrive at the prescribed delivery point having been completely pre-serviced with oil, lubricants, and coolant. All prescribed precautions pertaining to first operations and break-in of the unit are to be posted conspicuously on the unit for ready observance by the operator.

6.6 Delivery Point: Delivery point of the completed representative unit will be the WVDOH, Equipment Division, 83 Brushy Fork Crossing, Buckhannon, WV 26201.

7. MISCELLANEOUS:

7.1 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.

7.2 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.

7.3 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: Matthew E. Conner
Telephone Number: (304) 543-5406
Fax Number: (304) 759-6404
Email Address: mconner@walker-cat.com

7.4 Operating and Service Manuals and Parts Lists: An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and the "Equipment Preventative Maintenance Questionnaire", (Exhibit "B") must be with pilot unit upon delivery, Attn: Marcia Lee. There must be twelve (12) service/shop/maintenance manuals and fourteen (14) parts manuals; CD-ROM is preferred in lieu of parts manuals. Manuals shall be delivered upon completion of delivery of total units. Failure to do so will delay payment.

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- 7.5 Training:** Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator, and Mechanic Training. In order to keep operators and mechanics updated, the successful vendor shall conduct training sessions covering the operation, maintenance, troubleshooting with each purchase order against this open end contract. Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual to be shipped direct to:

WVDOH
Training Academy
P.O. Box 610
Buckhannon, West Virginia 26201

Prior to delivery of the pilot unit. Training seminar to be held at the WVDOT, Equipment Division, Buckhannon, WV.

- 7.6 Preventative Maintenance & Operator Procedures:** Manufacturers and/or dealers will be required to submit to the Equipment Division, in addition to the operating and service manuals, booklets and pamphlets explaining the Preventative Maintenance and Operator Procedures to be used by the operators of this equipment, and must include such things as daily prestart inspection procedure, service schedule, and routine maintenance required, safety precautions, etc. The successful vendor shall furnish all training aids; i.e. videos, projectors as required in conducting the training.
- 7.7 Warranty and Service Policy:** The unit must be accompanied upon delivery by the unit's manufacturers executed warranty and service policy.
- 7.8 Unspecified Accessories & Features:** All parts, equipment, accessories, materials, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, must be furnished with each unit and required to conform to strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit Industry. All parts and accessories advertised and regularly supplied as standard shall be included, except those which would represent duplication of these specified and except those which, by specification, are not to be furnished. All standard safety features, required by Federal and State Law, shall be included.

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8. VENDOR DEFAULT:

8.1 The following shall be considered a vendor default under this Contract.

8.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

8.1.2 Failure to comply with other specifications and requirements contained herein.

8.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

8.1.4 Failure to remedy deficient performance upon request.

8.2 The following remedy shall be available to Agency upon default.

8.2.1 Immediate cancellation of the contract.

8.2.2 Immediate cancellation of one or more release orders issued under this Contract.

8.2.3 Any other remedies available in law or equity.

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EXHIBIT B

EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE

THIS FORM MUST BE COMPLETED IN ITS ENTIRETY BY SUCCESSFUL BIDDER OR MANUFACTURER'S TECHNICAL REPRESENTATIVE PRIOR TO DELIVERY OF PILOT MODEL TO THE WVDOH.

DESCRIPTION: _____ MAKE: _____

MODEL: _____ YEAR: _____ PURCHASE AMOUNT: _____

ENGINE: MAKE: _____ MODEL: _____ FUEL TYPE: _____

HORSEPOWER: _____ CYLINDER: _____ ENGINE SERIAL: _____

COOLING SYSTEM CAPACITY: _____

BELTS: DESCRIPTION: _____ PART NUMBERS: _____

GVW: _____ AXLE CAPACITY: FRONT: _____ REAR: _____

TIRES: FRONT MAKE & SIZE: _____

REAR MAKE & SIZE: _____

DIMENSIONS OF UNIT: LENGTH: _____ WIDTH: _____ LENGTH: _____

VENDOR CONTACT PERSON: _____ PHONE: _____

PARTS:

BATTERY MAKE: _____ MODEL: _____ CCA: _____

TOP OR SIDE POST: _____ DIMENSIONS: LENGTH _____ WIDTH _____ HEIGHT _____

SPARK PLUGS OR FUEL INJECTORS MAKE: _____ PART # _____

FUEL PUMP OR INJECTION PUMP MAKE: _____ MODEL: _____

ALTERNATOR MAKE: _____ PART #: _____

STARTER MAKE: _____ PART #: _____

TURBO CHARGER MAKE: _____ PART #: _____

TRANS. MAKE: _____ MODEL: _____ AUTO/MANUAL: _____

HYDRAULIC PUMP MAKE: _____ MODEL: _____

FILTERS MAKE PART NO. LUBRICANT MANUFACTURER TYPE

OIL _____ ENGINE _____

AIR INNER _____ TRANSMISSION _____

AIR OUTER _____ POWER STEERING _____

FUEL PRIMARY _____ HYDRAULIC _____

FUEL SECONDARY _____ DIFFERENTIALS _____

COOLANT _____ BRAKE FLUID _____

HYDRAULIC _____ COOLANT _____

OTHER _____ OTHER _____

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application is hereby made for Preference in accordance with **West Virginia Code**, §5A-3-37. (Does not apply to construction contracts). **West Virginia Code**, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the **West Virginia Code**. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Vendor Preference, if applicable.

1. **Application is made for 2.5% vendor preference for the reason checked:**
Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification;
 Bidder is a resident vendor partnership, association, or corporation with at least eighty percent of ownership interest of bidder held by another entity that meets the applicable four year residency requirement; **or**,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; **or**,
2. **Application is made for 2.5% vendor preference for the reason checked:**
Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; **or**,
3. **Application is made for 2.5% vendor preference for the reason checked:**
Bidder is a nonresident vendor that employs a minimum of one hundred state residents, or a nonresident vendor which has an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia and employs a minimum of one hundred state residents, and for purposes of producing or distributing the commodities or completing the project which is the subject of the bidder's bid and continuously over the entire term of the project, on average at least seventy-five percent of the bidder's employees or the bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years and the vendor's bid; **or**,
4. **Application is made for 5% vendor preference for the reason checked:**
Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; **or**,
5. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; **or**,
6. **Application is made for 3.5% vendor preference who is a veteran for the reason checked:**
Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
7. **Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.**
Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) rescind the contract or purchase order; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: C.I. Walker Machinery Co

Signed: Mandy J. Cannon

Date: 5/9/17

Title: Sales Representative

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: 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 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: C.I. Walker Machinery Co.

Authorized Signature: [Signature] Date: 5/9/17

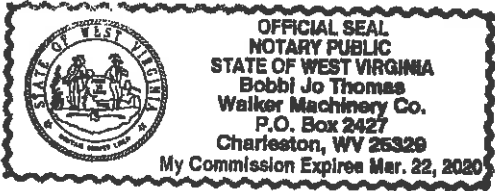
State of WV

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 9th day of May, 2017.

My Commission expires 3-22-, 2020.

AFFIX SEAL HERE



NOTARY PUBLIC Bobbi Jo Thomas

Purchasing Affidavit (Revised 08/01/2015)

315F L

Hydraulic Excavator

2017



Engine

Engine Model	Cat® C4.4 ACERT™	
Net Power – SAE J1349	72 kW	97 hp
Engine Power – ISO 14396	74 kW	100 hp

Drive

Maximum Travel Speed	5.5 km/h	3.4 mph
Maximum Drawbar Pull	112 kN	25,179 lbf
Weight		
Minimum Operating Weight	15 100 kg	33,296 lb
Maximum Operating Weight	17 140 kg	37,794 lb

Introduction

The new Cat 315F compact radius excavator features a C4.4 ACERT engine that meets U.S. EPA Tier 4 Final emission standards and is miserly on fuel, paired with a state-of-the-art hydraulic system that's responsive to your every command. Each pull of the joysticks will feel like a natural extension of yourself, providing you with smooth, controlled power to take on the work in front of you with speed, precision, and confidence.

When you add in robust structures that keep you grounded and balanced, an operator environment that enhances your comfort and productivity, service points that make your routine maintenance fast and simple, available Cat Grade Control to help you create precise planes and slopes with ease, and multiple Cat work tools and tool control system that enable you to quickly take on a variety of tasks, you simply won't find a better built, more reliable, more versatile, or more rewarding excavator in its size class - from any company, anywhere.

Bottom line: If your work takes you in to tight spaces and you need the absolute best performance at the lowest cost per unit of work that you can possibly get from a 15-ton excavator, take along a Cat 315F. You will be glad you did.

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Key Performance Stats & Facts

Maximum Lift without Limitation*

4050 kg (8,750 lb) without bucket
**Ground level, 4.5 m (15'0") to the side*

Maximum Bucket Size

0.76 m³ (1.0 yd³) 1200 mm (48")

Maximum Reach

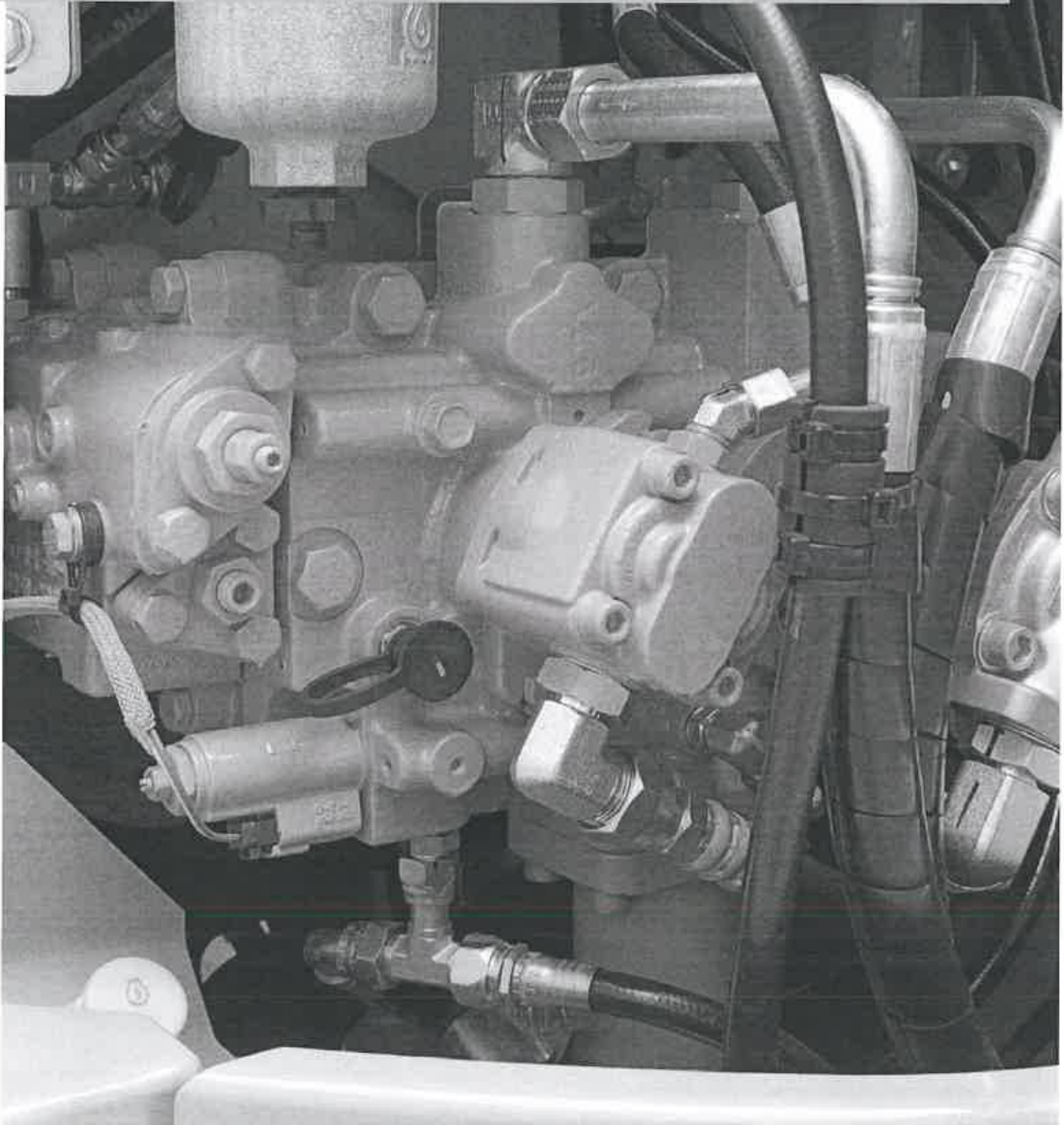
8680 mm (28'6")

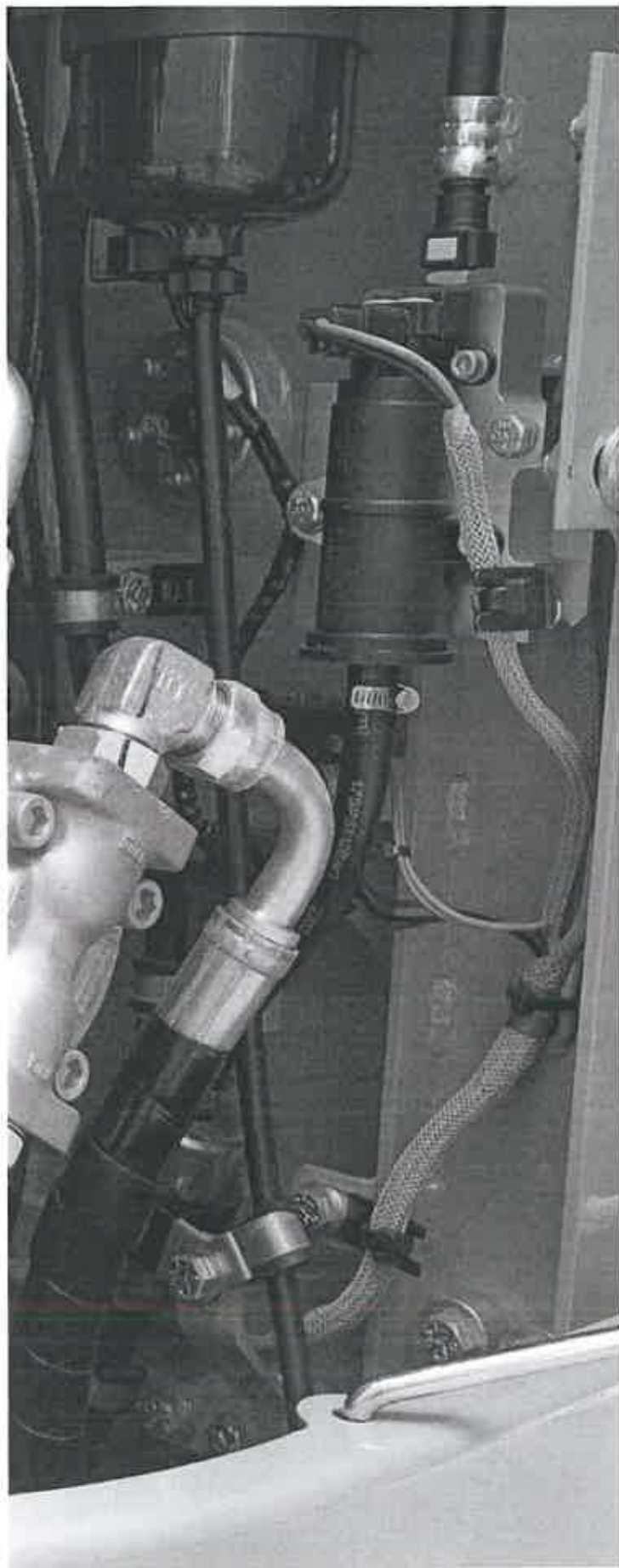
Maximum Dig Depth

5950 mm (19'6")

Hydraulics

You can move dirt, rock, and debris with speed, precision, and efficiency





A Forceful, Responsive Design

The 315F features a negative flow control hydraulic system that gives you the feel and response of an open center valve system with the efficiency of a closed center valve system. In layman's terms, negative flow control decreases pump flow when oil pressure in the center bypass increases and vice versa. The net result is the pump and valve operate in harmony with less energy and less wear and tear.

A Logical Layout

All major hydraulic components are strategically located close together. This positioning leads to reduced friction loss and pressure drops, and the result is more hydraulic horsepower for the heavy-lifting, ground-breaking work you need to get done.

Valves For Added Efficiency

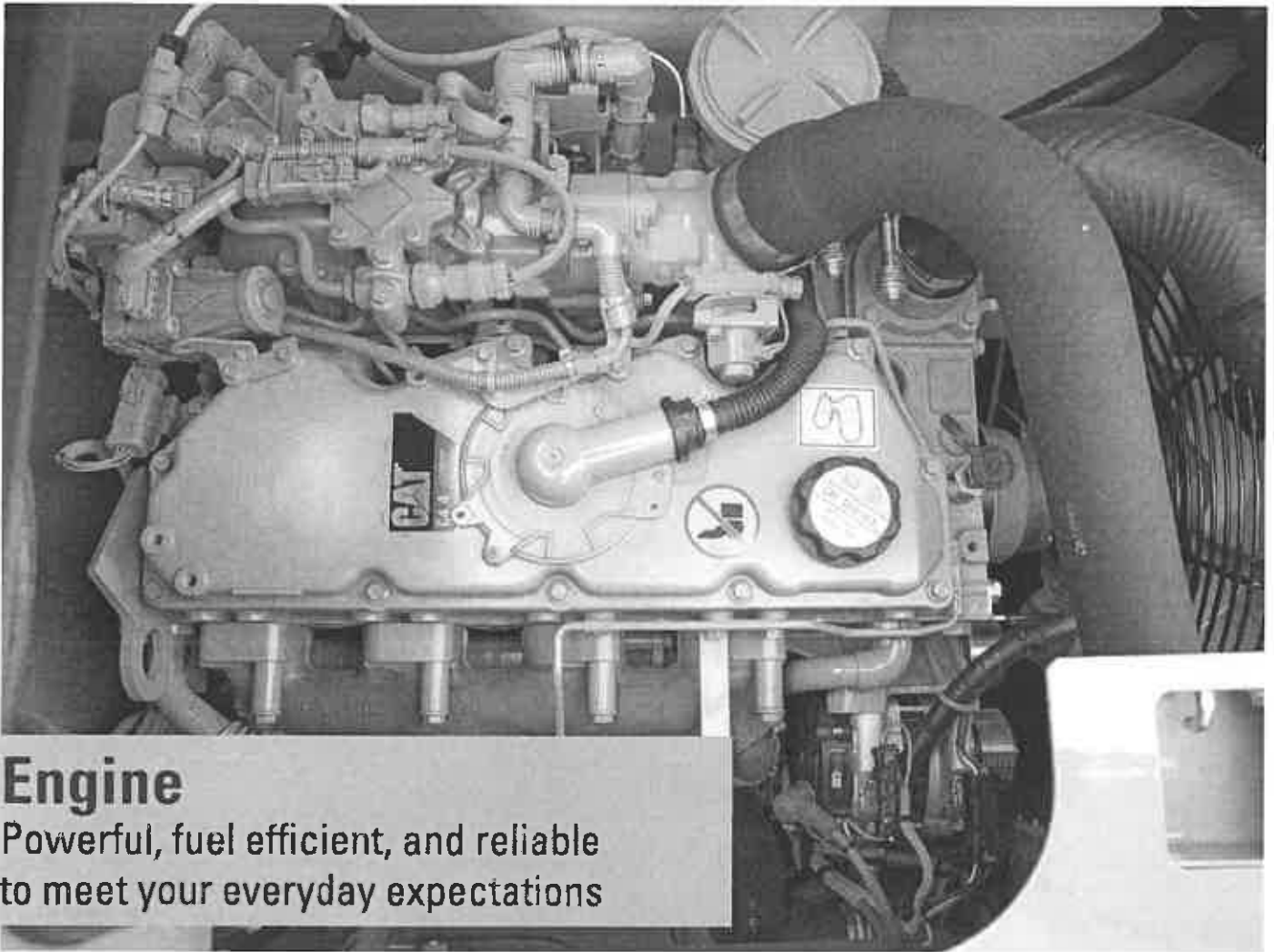
The 315F is built with a back-to-back main control valve, and the benefit to you is reduced pressure loss and fuel consumption due to the shorter distance oil has to travel. The machine also features special boom and stick valves that recirculate oil flow in the cylinders during work instead of going all the way back to the tank. The valves contribute to energy savings, but their primary benefit is allowing more oil to flow to other functions so you can experience faster cycle times and more production.

Filter For Added Protection & Performance

The capsule filter is designed to take out impurities and help you avoid system contamination and accidental spilling. The self-contained, maintenance-friendly filter is easy to remove with a simple wrench. It can take out impurities as small as beta 10 – particles so tiny you cannot see them with the eye. A sensor lets you know if there is a clog or if pressure exceeds a certain level so you can take action.

Drain Filter

A drain filter is one extra level of contamination prevention the 315F offers. Located in the pump compartment behind the pilot filter, the drain filter purifies the case drain from the main pumps, swing motor, and travel motors – all to enhance the life of the pumps and motors and uptime for you.



Engine

Powerful, fuel efficient, and reliable to meet your everyday expectations

Proven Technology

Every Tier 4 Final ACERT engine is equipped with a combination of proven electronic, fuel, air, and aftertreatment components. Applying these time-tested technologies lets us meet your high expectations for productivity, fuel efficiency, reliability, and service life.

Following are the results you can expect:

- High performance across a variety of applications.
- Enhanced reliability through commonality and simplicity of design.
- Maximized uptime and reduced cost with world-class Cat dealer support.
- Minimized impact on emission systems – with no operator interaction required.
- Durability with long service life.
- Same great power and response.
- Biodiesel capability to give you more potential fuel-saving flexibility.



Compact Radius

Sized right for tight quarters work

Work With Confidence

The 315F L's compact radius design makes it ideal for working confidently in space-restricted areas like road jobs with lane closures and next to buildings or other structures you'd like to keep from harm's way. With a front swing radius of 2.27 m (7'5") and a tail swing radius of 1530 mm (5'0"), the machine can dig, swing, and dump within a working space of 3.8 m (12'5"). When rotated 90 degrees and working over the side, just 135 mm (5") of counterweight extends beyond the track width, which allows trucks and jersey barriers to be positioned closer to the machine.

Work With Power

Unlike a standard radius machine, the 315F's boom is positioned toward the center of the machine. Not only does this help reduce the front swing radius, but it also supports more lift capacity over the front due to greater stability.

Work With Comfort

The machine features a full-size ROPS-certified cab. With low sound levels, high visibility, convenient access to switches and controls, and a fully adjustable seat, you will find it comfortable to work in all day long.

Operator Station

Your operators will enjoy the incredibly quiet and comfortable cab



A Safe, Quiet Cab

The Roll-Over Protective Structure (ROPS) cab provides you with a safe working environment. It also contributes to your comfort because it's attached to a reinforced frame with special viscous mounts that limit vibration and unnecessary sound. Add in special roof lining and sealing and you have a cab that's as quiet inside as today's top pickup trucks.

Comfortable Seat

The seat is an air suspension type with heat. It features a reclining back, upper and lower slide adjustments, and height and tilt angle adjustments to meet your needs for maximum comfort.

A Cool & Warm Environment

The automatic climate control system features multiple air outlets with filtered ventilation. Air flows on the floor, behind the seat, and in front of you to make your work in either hot or cold weather much more pleasant and productive.

Controls Just For You

The joystick consoles adjust to improve your comfort and productivity during the course of a day. The armrests telescope up and down just like a bicycle seat. Joysticks for tool control have buttons to make working with a two-way-flow grapple, thumb, and shear simple. The right joystick features a button that will reduce engine speed when you are not working to help save fuel. Touch it once and speed reduces; touch it again and speed increases for normal operation.

A Helpful Monitor

The LCD monitor is easy to see and navigate. Programmable in up to 44 languages to meet today's diverse workforce, the monitor clearly displays critical information you need to operate efficiently and effectively. Plus it projects the image from the standard rearview camera to help you see what's going on around you so you can stay safely focused on the job at hand.

Ample Storage & Auxiliary Power

Storage spaces are located in the front, rear, and side consoles of the cab. A drink holder accommodates a large mug, and a shelf behind the seat stores large lunch or toolboxes. Two 12-volt power supply sockets are conveniently located near the key storage areas for charging your electronic devices like an MP3 player, a cell phone, or a tablet.



Integrated Technologies

Monitor, manage, and enhance your job site operations



Cat Connect

The smart use of technology and services will improve your job site efficiency. In fact, using data from technology-equipped machines give you more information and insight into your equipment and operations than ever before.

Cat Connect technologies offer improvements in these key areas:

- **GRADE Technologies**

GRADE technologies like Cat Grade Control Depth and Slope combine digital design data and in-cab guidance to help you work more productively and accurately with less rework. Real-time bucket tip positioning and cut and fill data on the standard cab monitor guide you to grade, saving money on fuel and materials.

- **LINK Technologies**

LINK technologies like Product Link™ wirelessly connect you to your equipment, giving you valuable insight into how your machine or fleet is performing. The system tracks location, hours, fuel usage, productivity, idle time, and diagnostic codes through the online VisionLink® interface so you can make timely, fact-based decisions to maximize efficiency, improve productivity, and lower operating costs.



Front Linkage

Options to take on your far-reaching and up-close tasks

Link & Pins

The power link between the stick and bucket is designed for heavy-duty lifting over the long haul. With an integrated lifting eye, the power link helps enhance lifting capability by lowering your load point and maximizing the power built into the boom cylinders. All pins used in the front linkage have thick chrome plating to give them high wear and corrosion resistance. The large pins distribute load weight to ensure long pin, boom, and stick life.

Booms

Two types of booms are available to meet a variety of tasks. A reach boom offers you excellent all-around versatility and a large working envelope; a power offset boom allows you to stay in the same position to load and dump, which increases productivity when your team is working in narrow, restricted space. A unique bucket-to-cab avoidance feature is also included to ensure safe operation.

Sticks

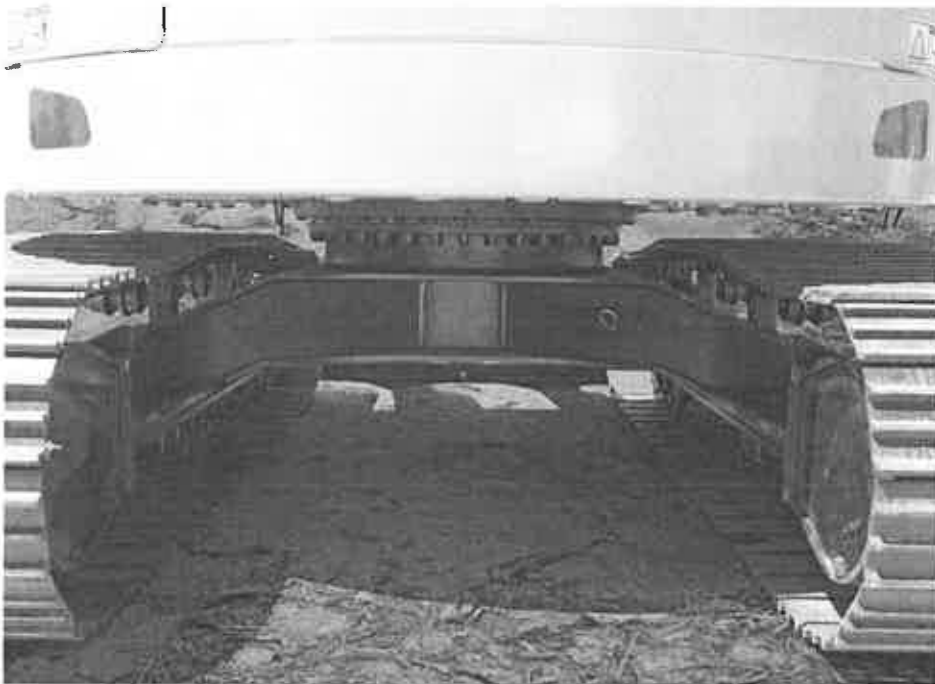
The R3.0 m (9'10") stick is best for when you need deep trenching, longer reach, and top truck loading capabilities. The R2.8 m (9'2") stick provides greater breakout force and increases productivity when you primarily plan on using hydro-mechanical work tools. The 2.13 m (6'11") stick combines with the power offset boom to deliver excellent breakout force and cycle speed in those tough-to-reach places.

Built To Last

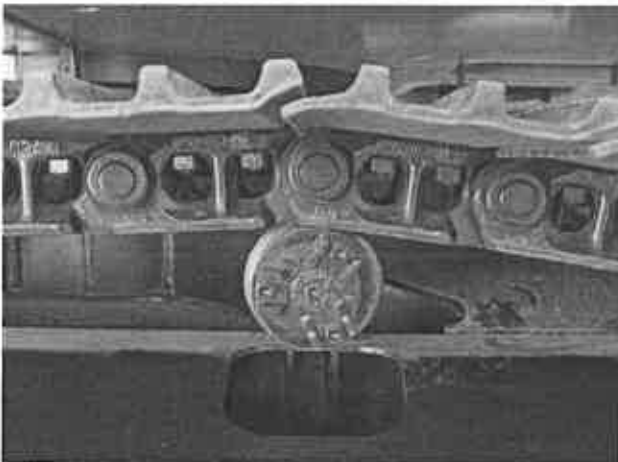
Each boom and stick is built with internal baffle plates for additional durability, and each undergoes ultrasound inspection to ensure quality and reliability. Large box-section structures with thick, multi-plate fabrications, castings, and forgings are used in high-stress areas such as the boom nose, boom foot, and boom and stick cylinders to enhance durability for the tough work you do. Your Cat dealer can help you pick the best combination for your business.

Structures & Undercarriage

You can take on a variety of tough tasks with this built-to-last machine



The 315F L is a well-built machine designed to give you a very long service life. The upper frame has mountings made specifically to support the heavy-duty cab; it's also reinforced around key areas that take on stress like the boom foot and skirt. Massive bolts are used to attach the track frames to the body, and additional bolts are used throughout to increase the machine's digging force, which leads to more productivity for you.



Durable Undercarriage

The 315F L undercarriage contributes significantly to its outstanding stability and durability. Track shoes, links, rollers, idlers, and final drives are all built with long-lasting, high-tensile-strength steel. Cat Grease Lubricated Track 2 (GLT2) track link protects moving parts by keeping water, debris, and dust out and grease sealed in, which delivers longer wear life and reduced noise when traveling. Optional guide guards help maintain track alignment to improve the machine's overall performance – whether you're traveling on a flat, heavy bed of rock or a steep, wet field of mud.

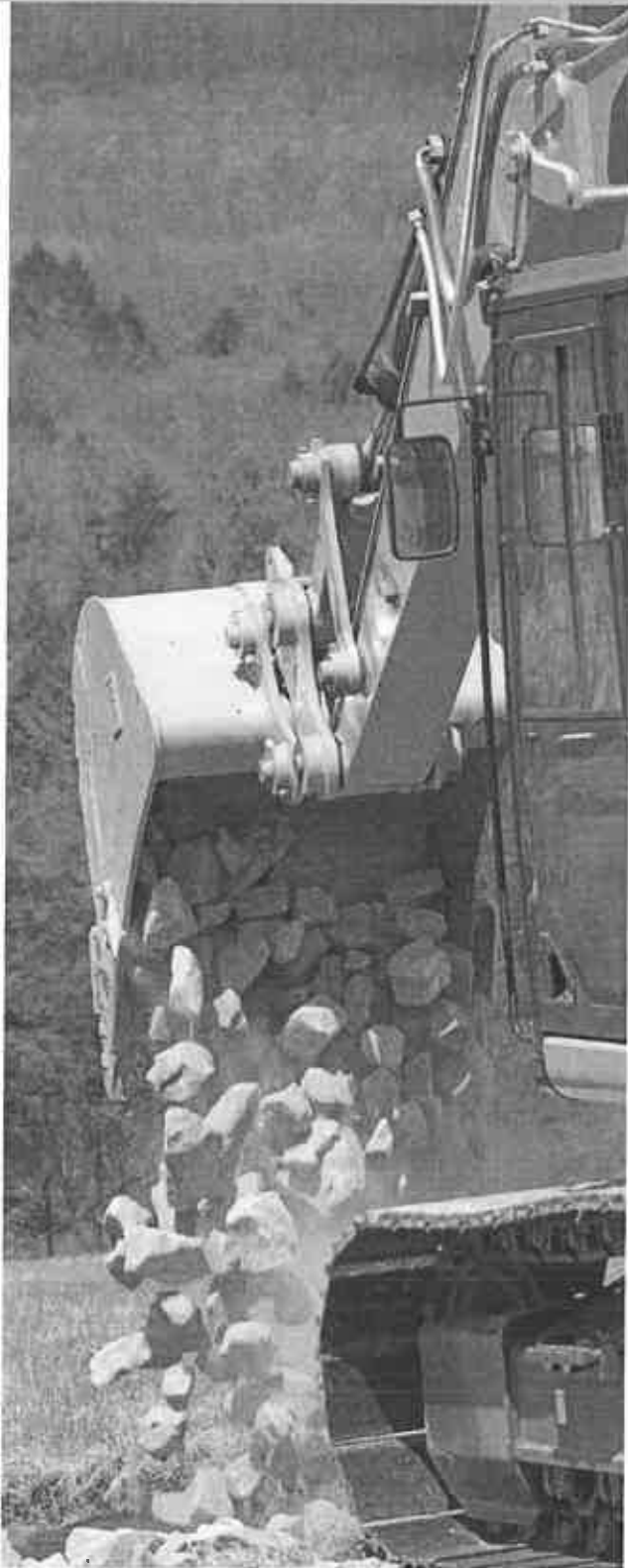


Great Weight

The 315F L has one counterweight option. Rounded to minimize the amount of overhang, the 3.56 mt (3.9 t) weight is mounted directly to the main frame using massive bolts to ensure maximum rigidity. Plus it has an integrated housing to help protect the machine's standard rearview camera.

Attachments

Tools to make you productive and profitable



Get The Most Out Of One Machine

You can easily expand the performance of your machine by utilizing any of the variety of attachments offered by Cat Work Tools.

Change Jobs Quickly

A quick coupler brings the ability to quickly change attachments and switch from job to job. The Cat Pin Grabber coupler is the secure way to decrease downtime and increase job site flexibility and overall productivity.

Dig, Finish & Compact

A wide range of buckets dig everything from top soil to harsh, abrasive material. For finishing and grading work, compact and shallow ditch cleaning buckets fit the need. A Cat compactor prepares the area for the next phase of construction.

Break, Demolish & Scrap

A hydraulic hammer equips your machine for breaking rock in quarries, preparing trenches on construction sites, or taking down bridge pillars and reinforced concrete on road jobs. Shears take your machine into demolition jobs and help you process the debris for reuse and recycle.

Move & Handle

Add a thumb and you have the ability to move and handle brush, rocks, and debris. For constant material handling, a grapple is your solution.

Set Up Your Machine For Profitability

Your Cat dealer can install hydraulic kits to properly operate all Cat Work Tool attachments – maximizing the machine's uptime and your profits. All Cat Work Tool attachments are supported by the same Cat dealer network as your Cat machine

GRAB, SORT, LOAD



Pro Series Hydraulic Thumbs



Stiff Link Thumbs



Contractors' Grapples



Trash Grapples

DIG & PACK



Ditch Cleaning and Tilt Buckets



General Duty Buckets



General Duty, Wide Tip Buckets



Severe Duty Buckets



Vibratory Plate Compactors

SWAP TOOLS



Pin Grabber Coupler

CUT, CRUSH, BREAK & RIP



Scrap & Demolition Shears



Hydraulic Hammers

Serviceability

Designed to make your maintenance quick and easy

On-Board Monitoring

The 315F has a pre-start monitoring system that allows you to check coolant, hydraulic oil, and engine oil levels right inside the cab. The monitor also tells you fluid and filter change intervals to ensure you keep the machine in top-performing condition.

Safe, Convenient Access

You can see the service hour meter inside the cab and reach most routine maintenance items like fluid taps and grease points from the safety and convenience of ground level. Filters are banked together for higher service efficiency. Compartments feature wide service doors and heavy-duty hardware to keep them open – all to make service work simpler and more secure.

A Fresh Idea

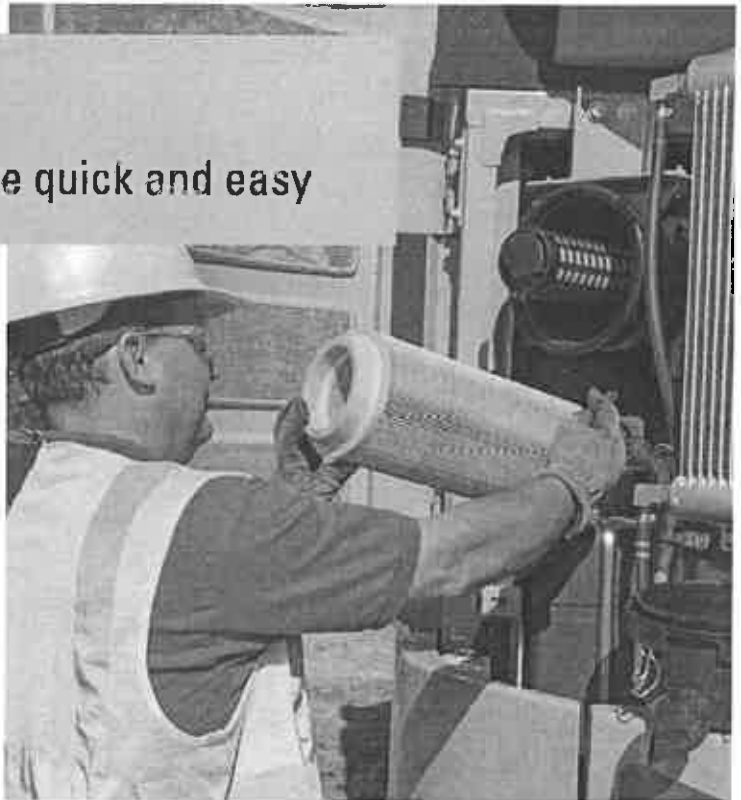
The fresh air filter is conveniently located on the side of the cab to make it easy for you to reach and replace. It's protected by a lockable door that can only be opened with the engine key.

A Priming Solution

Located in the pump compartment, an electric fuel priming pump eliminates the need for you to manually prime after filter changes. It also eliminates the risk of fuel contamination by preventing unfiltered fuel from being backfilled during filter changes.

More Service Benefits

Drain tubes beneath the machine make it easy and simple for you to remove water and sediment during routine maintenance. They also make it easy to change oil without special tools or the risk of spilling. Same goes for an integrated fuel level indicator that pops up to help you reduce the possibility of fuel tank overfilling.



Safety

Features to help protect you day in and day out



Guard Options

The 315F can be equipped with several guarding options. Following are just a few:

- Falling Object Guarding System (FOGS)
- Vandal guards
- Full-length wire mesh
- Heavy-duty bottom guards
- Track guiding guards

A Safe, Quiet Cab

The roll-over protective structure (ROPS) cab provides you with a safe working environment when properly seated and belted. It also contributes to your comfort because it's attached to a reinforced frame with special viscous mounts that limit vibration and unnecessary sound, and it includes special roof lining and sealing to make it as quiet as any of today's top pickup trucks.

Secure Contact Points

Multiple large steps get you into the cab as well as a leg up to the compartments. Extended hand rails allow you to safely climb to the upper deck and removable anti-skid plates. Anti-skid plates reduce your slipping hazards in all types of weather conditions.

Great Views

Ample glass gives you excellent visibility out front and to the side, and the standard rearview camera gives you a clear field of view behind the machine through the cab monitor. The available split-configuration windshield features an upper window with handles that make it easy to slide and store above you and a lower window that can be removed and stored on the inside wall of the cab. The large skylight serves as an emergency exit and provides you with enhanced visibility.

Smart Lighting

Halogen lights provide plenty of illumination, and the cab and boom lights can be programmed to stay on for up to 90 seconds after the engine's been turned off to help you safely exit the machine.

Complete Customer Care

Support you can count on



Expert Advice You Can Trust

What are the job requirements and machine attachments? What production is needed? Your Cat dealer can provide recommendations to help you make the right machine choices.

Support Agreements To Fit Your Needs

Cat dealers offer a variety of customer support agreements and work with you to develop a plan to meet your specific needs. These plans can cover the entire machine, including attachments, to help protect your investment.

Parts When & Where You Need Them

Cat dealers utilize a worldwide parts network to maximize your machines' uptime. Plus they can help you save money with Cat remanufactured components.

Operating Techniques To Boost Your Profits

Improving operating techniques can boost your profits. Your Cat dealer has videos, literature, and other ideas to help you increase productivity. Caterpillar also offers simulators and certified operator training to help maximize the return on your investment.

Financial Options Just For You

Consider financing options and day-to-day operating costs. Look at dealer services that can be included in the machine's cost to yield lower owning and operating costs over time.

What's Best For You Today...& Tomorrow

Repair, rebuild, or replace? Your Cat dealer can help you evaluate the cost involved so you can make the best choice for your business.



Sustainability Generations ahead in every way

- The C4.4 ACERT engine meets Tier 4 Final emission standards.
- The 315F L has the flexibility of running on either ultra-low-sulfur diesel (ULSD) fuel with 15 ppm of sulfur or less or biodiesel (up to B20) fuel blended with ULSD that meets ASTM 6751 standards.
- An overfill indicator rises when the fuel tank is full to help your service technicians avoid spilling.
- An unique engine oil filter eliminates the need for painted metal cans and aluminum top plates. The cartridge-style spin-on housing enables the internal filter to be separated and replaced; the used internal element can be incinerated to help reduce waste.
- The machine is built to be rebuilt with major structures and components capable of being remanufactured to reduce waste and replacement costs.
- The 315F L is an efficient, productive machine that reduces impact on natural resources for future generations.

315F L Hydraulic Excavator Specifications

Engine

Engine Model	Cat C4.4 ACERT	
Net Power – SAE J1349	72 kW	97 hp
Engine Power – ISO 14396	74 kW	100 hp
Bore	105 mm	4.1 in
Stroke	127 mm	5.0 in
Displacement	4.4 L	270 in ³

Weight

Minimum Operating Weight*	15 100 kg	33,296 lb
Maximum Operating Weight**	17 140 kg	37,794 lb
*4.65 m (15'3") reach boom, 2.8 m (9'2") stick, 500 mm (20") shoes, no blade		
**Power offset boom, 2.13 m (6'11") stick, 700 mm (28") shoes, blade		

Hydraulic System

Main System – Maximum Flow (Total)	256 L/min	68 gal/min
Maximum Pressure – Equipment	30 500 kPa	4,420 psi
Maximum Pressure – Power Offset Boom (optional)	29 900 kPa	4,340 psi
Maximum Pressure – Travel	35 000 kPa	5,080 psi
Maximum Pressure – Swing	23 000 kPa	3,340 psi
Pilot System – Maximum Flow	21.9 L/min	4.8 gal/min
Pilot System – Maximum Pressure	4120 kPa	600 psi
Boom Cylinder – Bore	110 mm	4.3 in
Boom Cylinder – Stroke	1000 mm	39.4 in
Stick Cylinder – Bore	120 mm	4.7 in
Stick Cylinder – Stroke	1197 mm	47.1 in
Bucket Cylinder – Bore	100 mm	3.9 in
Bucket Cylinder – Stroke	939 mm	37.0 in

Drive

Maximum Travel Speed	5.5 km/h	3.4 mph
Maximum Drawbar Pull	112 kN	25,179 lbf

Swing Mechanism

Swing Speed	11 rpm	
Swing Torque	30.9 kN·m	22,790 lbf-ft

Service Refill Capacities

Fuel Tank Capacity	178 L	47 gal
DEF Tank Capacity	19 L	5 gal
Cooling System	28 L	7.4 gal
Engine Oil (with filter)	13.5 L	3.6 gal
Swing Drive (each)	3 L	0.8 gal
Final Drive (each)	3 L	0.8 gal
Hydraulic System (including tank)	160 L	42.3 gal
Hydraulic Tank	84 L	22.2 gal

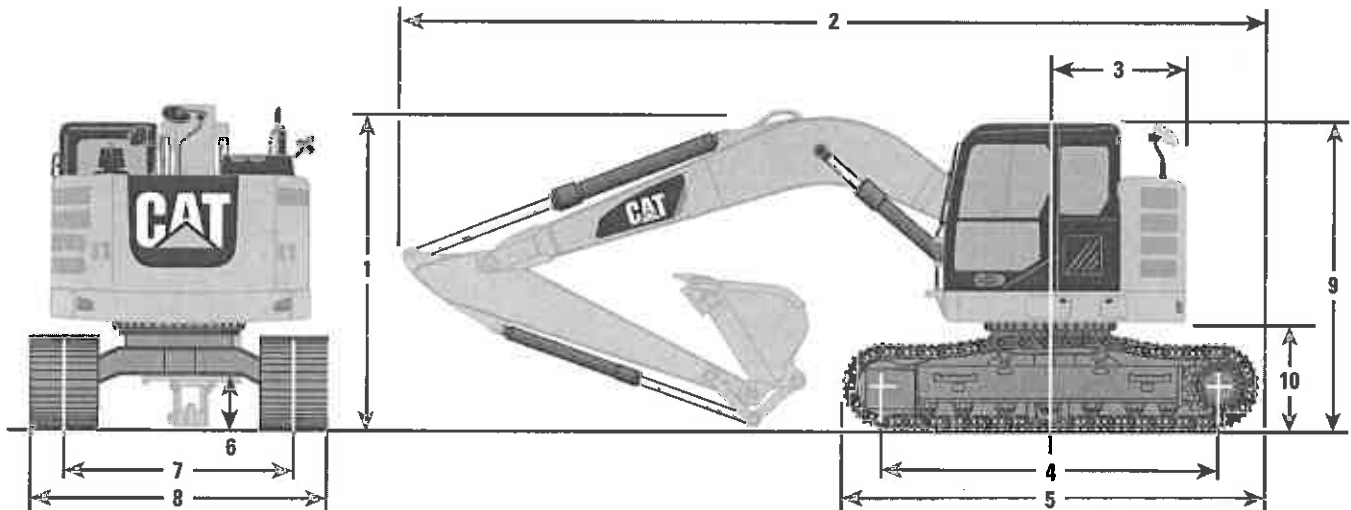
Track

Long Undercarriage		
Number of Shoes (each side)	46 pieces	
Number of Track Rollers (each side)	7 pieces	
Number of Carrier Rollers (each side)	2 pieces	

315F L Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate.



Boom Type	Reach Boom 4.65 m (15'3")		Power Offset Boom			
	Stick Size		Stick Size			
	R3.0 m (9'10")	R2.8 m (9'2")	2.13 m (6'11")			
1 Shipping Height*	3000 mm	9'10"	3030 mm	9'11"	3000 mm	9'10"
Shipping Height at Boom Top	2750 mm	9'0"	3030 mm	9'11"	2780 mm	9'1"
Shipping Height with Hand Rail	3000 mm	9'10"	3000 mm	9'10"	3000 mm	9'10"
Shipping Height with Top Guard	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
2 Shipping Length						
Long Undercarriage	7450 mm	24'5"	7440 mm	24'5"	7560 mm	24'10"
Long Undercarriage with Blade	8010 mm	26'3"	8010 mm	26'3"	8120 mm	26'8"
3 Tail Swing Radius						
Heavy Counterweight	1530 mm	5'0"	1530 mm	5'0"	1530 mm	5'0"
4 Length to Center of Rollers	3040 mm	10'0"	3040 mm	10'0"	3040 mm	10'0"
5 Track Length	3750 mm	12'4"	3750 mm	12'4"	3750 mm	12'4"
6 Ground Clearance	440 mm	1'5"	440 mm	1'5"	440 mm	1'5"
7 Track Gauge	1990 mm	6'6"	1990 mm	6'6"	1990 mm	6'6"
8 Transport Width						
500 mm (20") Shoes	2490 mm	8'2"	2490 mm	8'2"	2490 mm	8'2"
600 mm (24") Shoes	2590 mm	8'6"	2590 mm	8'6"	2590 mm	8'6"
700 mm (28") Shoes	2690 mm	8'10"	2690 mm	8'10"	2690 mm	8'10"
9 Cab Height	2810 mm	9'3"	2810 mm	9'3"	2810 mm	9'3"
Cab Height with Top Guard	2950 mm	9'8"	2950 mm	9'8"	2950 mm	9'8"
10 Counterweight Clearance**	860 mm	2'10"	860 mm	2'10"	860 mm	2'10"

*Including shoe lug height.

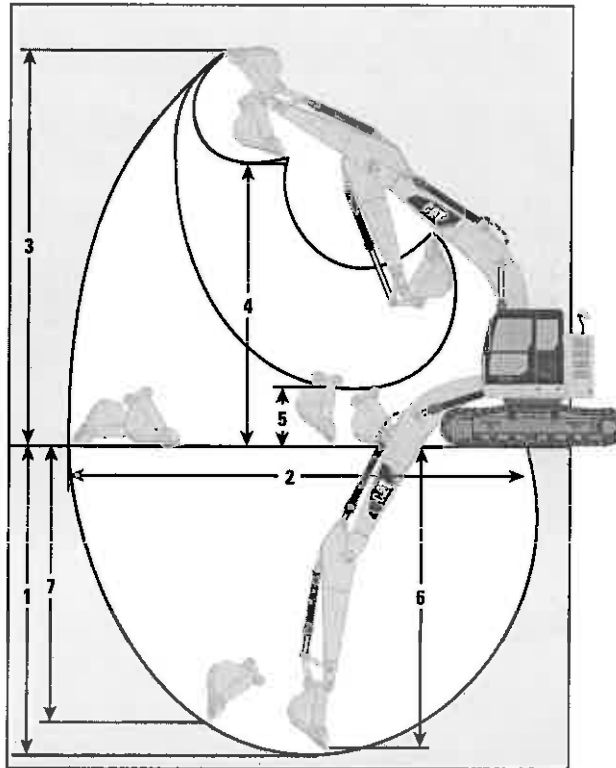
**Without shoe lug height.

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

315F L Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



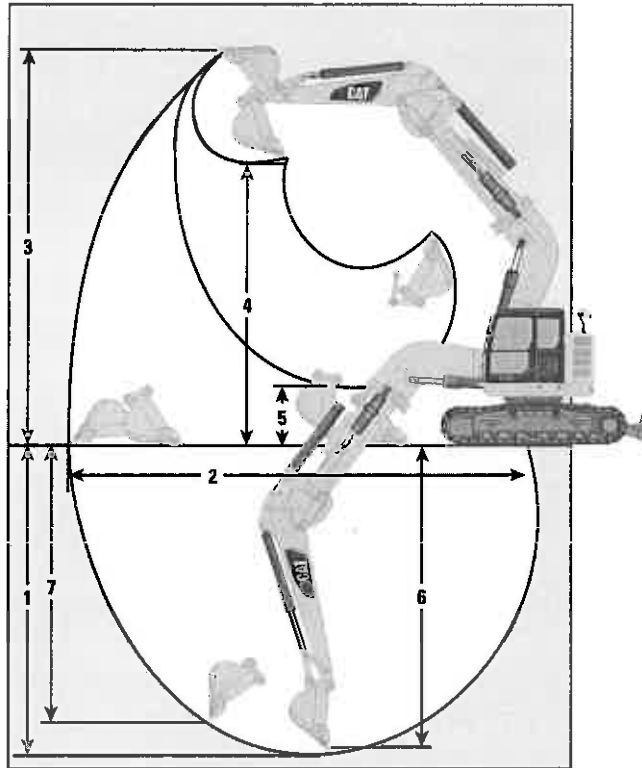
Boom Type	Reach Boom 4.65 m (15'3")			
Stick Size	R3.0 m (9'10")		R2.8 m (9'2")	
1 Maximum Digging Depth	5950 mm	19'6"	5750 mm	18'10"
2 Maximum Reach at Ground Level	8680 mm	28'6"	8490 mm	27'10"
3 Maximum Cutting Height	9640 mm	31'8"	9480 mm	31'1"
4 Maximum Loading Height	7190 mm	23'7"	7030 mm	23'1"
5 Minimum Loading Height	2060 mm	6'9"	2240 mm	7'4"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	5770 mm	18'9"	5560 mm	18'2"
7 Maximum Vertical Wall Digging Depth	5280 mm	17'4"	5090 mm	16'8"

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

315F L Hydraulic Excavator Specifications

Working Ranges

All dimensions are approximate.



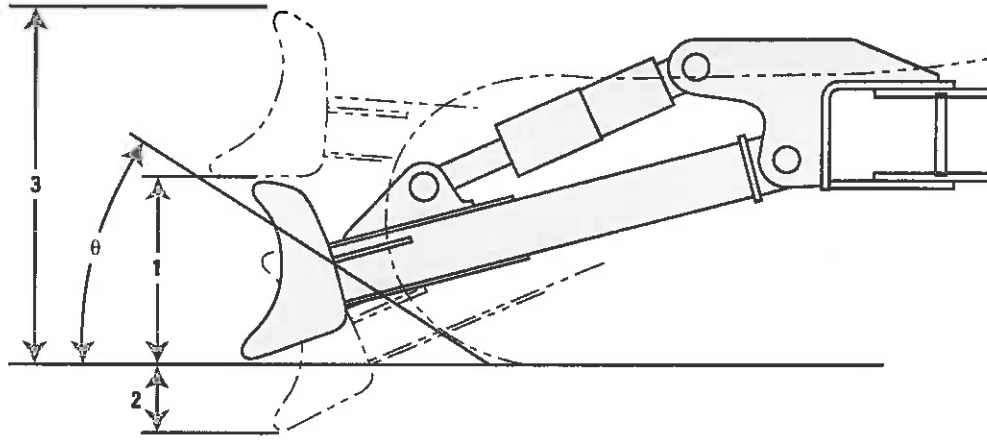
Boom Type	Power Offset Boom	
Stick Size	2.13 m (6'11")	
1 Maximum Digging Depth	4840 mm	15'11"
2 Maximum Reach at Ground Level	7270 mm	23'10"
3 Maximum Cutting Height	8450 mm	27'9"
4 Maximum Loading Height	6020 mm	19'9"
5 Minimum Loading Height	2330 mm	7'6"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	4480 mm	14'7"
7 Maximum Vertical Wall Digging Depth	3550 mm	11'8"

All dimensions were calculated with 900 mm (35") wide GD bucket with 0.53 m³ (0.69 yd³) capacity and 1200 mm (3'11") tip radius.

315F L Hydraulic Excavator Specifications

Blade Working Ranges

All dimensions are approximate.



Blade Options	2500 mm (8'2")		2600 mm (8'6")		2700 mm (8'10")	
Recommended Track Shoe Width	500 mm (20")		600 mm (24")		700 mm (28")	
1 Blade Height	430 mm	1'4"	430 mm	1'4"	430 mm	1'4"
2 Maximum Lowering Depth from Ground	570 mm	1'10"	570 mm	1'10"	570 mm	1'10"
3 Maximum Raising Height above Ground	1000 mm	3'3"	1000 mm	3'3"	1000 mm	3'3"
θ Approach Angle	24.9 degrees		24.9 degrees		24.9 degrees	

315F L Hydraulic Excavator Specifications

Major Component Weights

Base Machine	5100 kg	11,250 lb
Long Undercarriage	2650 kg	5,843 lb
Counterweight – 3.56 mt (3.9 t)	3560 kg	7,850 lb
Boom (includes lines, pins and stick cylinder)		
Reach Boom – 4.65 m (15'3")	1030 kg	2,271 lb
Power Offset Boom	1740 kg	3,836 lb
Reach Boom for CGC – 4.65 m (15'3")	1030 kg	2,271 lb
Stick (includes lines, pins, bucket cylinder and bucket linkage)		
R3.0 m (9'10")	670 kg	1,477 lb
R2.8 m (9'2")	650 kg	1,433 lb
2.13 m (6'11") for Power Offset Boom	520 kg	1,146 lb
R3.0 m (9'10") for CGC	670 kg	1,477 lb
R3.0 m (9'10") for Thumb	730 kg	1,609 lb
Track Shoe (Long/per two tracks)		
500 mm (20") Triple Grouser	1570 kg	3,460 lb
500 mm (20") Triple Grouser with Rubber Pad	2080 kg	4,590 lb
600 mm (24") Triple Grouser	1820 kg	4,010 lb
700 mm (28") Triple Grouser	2090 kg	4,610 lb
Blade		
2500 mm (8'2")	830 kg	1,830 lb
2600 mm (8'6")	830 kg	1,830 lb
2700 mm (8'10")	840 kg	1,852 lb

All weights are rounded up to nearest 10 kg and lb. Kg and lb were rounded up separately so some of the kg and lb do not match.

Base machine includes 75 kg (170 lb) operator weight, 90% fuel weight, and undercarriage with center guard.

315F L Hydraulic Excavator Specifications

Operating Weight and Ground Pressure

	700 mm (28") Triple Grouser Shoes				600 mm (24") Triple Grouser Shoes				500 mm (20") Triple Grouser Shoes			
	kg	lb	kPa	psi	kg	lb	kPa	psi	kg	lb	kPa	psi
Long Undercarriage without Blade												
Reach Boom – 4.65 m (15'3")												
R3.0 m (9'10")	15 640	34,486	33.3	4.8	15 370	33,891	38.2	5.5	15 120	33,340	45.1	6.5
R2.8 m (9'2")	15 620	34,442	33.3	4.8	15 350	33,847	38.1	5.5	15 100	33,296	45.0	6.5
Long Undercarriage with Blade												
Reach Boom – 4.65 m (15'3")												
R3.0 m (9'10")	16 480	36,338	35.1	5.1	16 200	35,721	40.3	5.8	15 950	35,170	47.6	6.9
R2.8 m (9'2")	16 460	36,294	35.1	5.1	16 180	35,677	40.2	5.8	15 930	35,126	47.5	6.9
Power Offset Boom												
2.13 m (6'11")	17 140	37,794	36.5	5.3	16 860	37,176	41.9	6.1	16 600	36,603	49.5	7.2

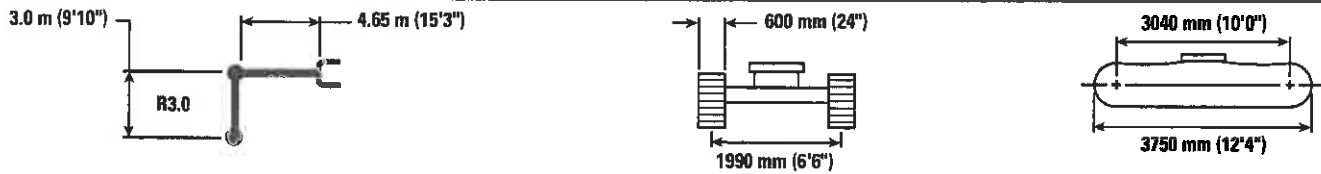
Bucket and Stick Forces












Boom Type	Reach Boom 4.65 m (15'3")				Power Offset Boom	
	R3.0 m (9'10")		R2.8 m (9'2")		2.13 m (6'11")	
Stick Size						
General Duty						
Bucket Digging Force (SAE)	85 kN	19,200 lbf	85 kN	19,200 lbf	78 kN	17,500 lbf
Stick Digging Force (SAE)	57 kN	12,800 lbf	60 kN	13,500 lbf	61 kN	13,700 lbf
Severe Duty						
Bucket Digging Force (SAE)	83 kN	18,700 lbf	83 kN	18,700 lbf	76 kN	17,100 lbf
Stick Digging Force (SAE)	57 kN	12,800 lbf	60 kN	13,400 lbf	61 kN	13,700 lbf

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

315F L Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.56 mt (3.9 t) – Blade Down



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft
												
7.5 m 25.0 ft	kg lb					*2600	*2600			*2500 *5,600	*2500 *5,600	4.54 14.33
6.0 m 20.0 ft	kg lb					*3450 *7,550	*3450 *7,550	*2350	*2350	*2100 *4,650	*2100 *4,650	6.07 19.68
4.5 m 15.0 ft	kg lb					*3700 *8,050	*3700 *8,050	*3400 *7,400	3050 6,500	*2000 *4,350	*2000 *4,350	6.96 22.72
3.0 m 10.0 ft	kg lb			*5900 *12,700	*5900 *12,700	*4350 *9,450	*4350 *9,450	*3650 *7,900	2950 6,350	*2000 *4,350	*2000 *4,350	7.43 24.36
1.5 m 5.0 ft	kg lb			*8050 *17,350	7900 16,950	*5150 *11,150	4300 9,200	*3950 *8,550	2850 6,100	*2100 *4,550	2000 4,400	7.58 24.88
0.0 m 0.0 ft	kg lb			*7350 *16,950	*7350 15,950	*5600 *12,100	4050 8,750	*4100 *8,850	2750 5,850	*2300 *5,050	2050 4,450	7.43 24.36
-1.5 m -5.0 ft	kg lb	*4550 *10,150	*4550 *10,150	*8050 *17,450	7300 15,700	*5400 *11,700	3950 8,500	*3900 *8,400	2650 5,750	*2700 *6,000	2200 4,850	6.94 22.73
-3.0 m -10.0 ft	kg lb	*7550 *16,950	*7550 *16,950	*6450 *13,950	*6450 *13,950	*4500 *9,650	3950 8,550	*2950	2700	*2850 *6,300	2700 5,950	6.04 19.71
-4.5 m -15.0 ft	kg lb			*3550 *7,350	*3550 *7,350					*2150 *4,500	*2150 *4,500	4.49 14.39



ISO 10567



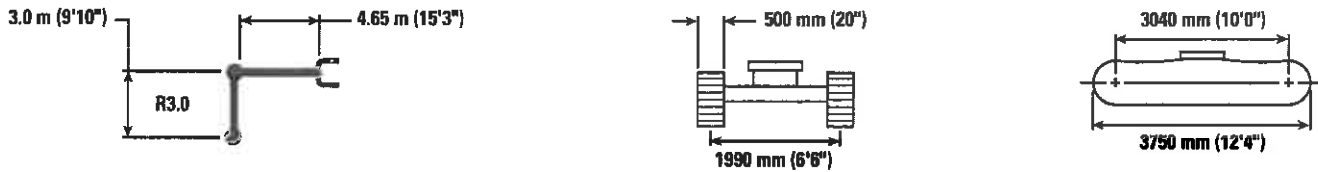
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.













Lift capacity stays with $\pm 5\%$ for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

315F L Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.56 mt (3.9 t) – Blade Down



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft				
													m	ft
7.5 m	kg					*2600	*2600					*2500	*2500	4.54
25.0 ft	lb											*5,600	*5,600	14.33
6.0 m	kg					*3450	*3450	*2350	*2350			*2100	*2100	6.07
20.0 ft	lb					*7,550	*7,550					*4,650	*4,650	19.68
4.5 m	kg					*3700	*3700	*3400	2950			*2000	*2000	6.96
15.0 ft	lb					*8,050	*8,050	*7,400	6,300			*4,350	*4,350	22.72
3.0 m	kg			*5900	*5900	*4350	*4350	*3650	2850			*2000	*2000	7.43
10.0 ft	lb			*12,700	*12,700	*9,450	9,450	*7,900	6,100			*4,350	*4,350	24.36
1.5 m	kg			*8050	7550	*5150	4100	*3950	2750	*2500	1950	*2100	1950	7.58
5.0 ft	lb			*17,350	16,250	*11,150	8,850	*8,550	5,850			*4,550	4,250	24.88
0.0 m	kg			*7350	7100	*5600	3900	*4100	2600			*2300	1950	7.43
0.0 ft	lb			*16,950	15,250	*12,100	8,400	*8,850	5,650			*5,050	4,300	24.36
-1.5 m	kg	*4550	*4550	*8050	7000	*5400	3800	*3900	2550			*2700	2100	6.94
-5.0 ft	lb	*10,150	*10,150	*17,450	15,000	*11,700	8,150	*8,400	5,500			*6,000	4,650	22.73
-3.0 m	kg	*7550	*7550	*6450	*6450	*4500	3800	*2950	2600			*2850	2550	6.04
-10.0 ft	lb	*16,950	*16,950	*13,950	*13,950	*9,650	8,200					*6,300	5,700	19.71
-4.5 m	kg			*3550	*3550							*2150	*2150	4.49
-15.0 ft	lb			*7,350	*7,350							*4,500	*4,500	14.39



ISO 10567



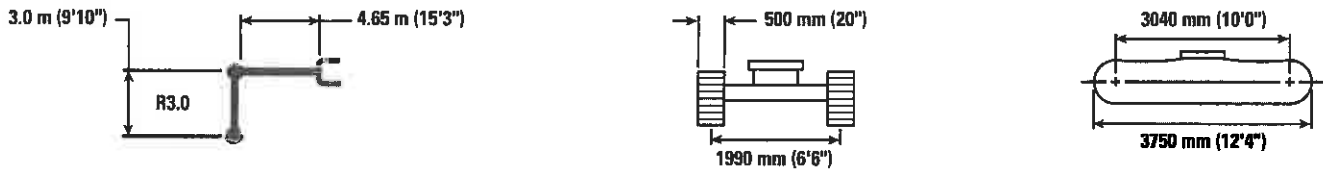
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Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

315F L Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.56 mt (3.9 t) – Blade Down with Rubber Pad



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft		7.5 m/25.0 ft		m ft		
7.5 m	kg		*			*2600	*2600					*2500	*2500	4.54
25.0 ft	lb											*5,600	*5,600	14.33
6.0 m	kg					*3450	*3450	*2350	*2350			*2100	*2100	6.07
20.0 ft	lb					*7,550	*7,550					*4,650	*4,650	19.68
4.5 m	kg					*3700	*3700	*3400	3000			*2000	*2000	6.96
15.0 ft	lb					*8,050	*8,050	*7,400	6,500			*4,350	*4,350	22.72
3.0 m	kg			*5900	*5900	*4350	*4350	*3650	2950			*2000	*2000	7.43
10.0 ft	lb			*12,700	*12,700	*9,450	*9,450	*7,900	6,300			*4,350	*4,350	24.36
1.5 m	kg			*8050	7800	*5150	4250	*3950	2800	*2500	2050	*2100	2000	7.58
5.0 ft	lb			*17,350	16,750	*11,150	9,150	*8,550	6,050			*4,550	4,400	24.88
0.0 m	kg			*7350	*7350	*5600	4050	*4100	2700			*2300	2000	7.43
0.0 ft	lb			*16,950	15,750	*12,100	8,950	*8,850	5,800			*5,050	4,450	24.36
-1.5 m	kg	*4550	*4550	*8050	7250	*5400	3950	*3900	2650			*2700	2200	6.94
-5.0 ft	lb	*10,150	*10,150	*17,450	15,500	*11,700	8,450	*8,400	5,700			*6,000	4,850	22.73
-3.0 m	kg	*7550	*7550	*6450	*6450	*4500	3950	*2950	2700			*2850	2650	6.04
-10.0 ft	lb	*16,950	*16,950	*13,950	*13,950	*9,650	8,450					*6,300	5,900	19.71
-4.5 m	kg			*3550	*3550							*2150	*2150	4.49
-15.0 ft	lb			*7,350	*7,350							*4,500	*4,500	14.39



ISO 10567



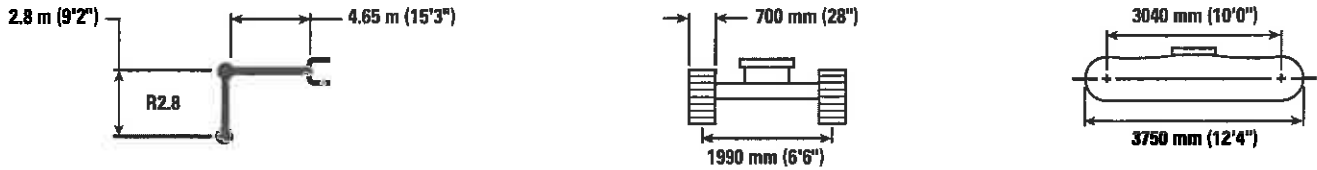
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Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

315F L Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.56 mt (3.9 t) – Blade Down



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft
												
7.5 m 25.0 ft	kg lb									*2750 *6,200	*2750 *6,200	4.21 13.33
6.0 m 20.0 ft	kg lb					*3650 *7,950	*3650 *7,950			*2300 *5,050	*2300 *5,050	5.84 19.17
4.5 m 15.0 ft	kg lb					*3850 *8,400	*3850 *8,400	*3500 *7,650	3100 6,600	*2150 *4,750	*2150 *4,750	6.75 22.50
3.0 m 10.0 ft	kg lb			*6250 *13,450	*6250 *13,450	*4500 *9,750	*4500 *9,750	*3700 *8,100	3000 6,450	*2150 *4,700	*2150 *4,700	7.24 24.17
1.5 m 5.0 ft	kg lb			*8250 *17,800	7900 16,950	*5250 *11,350	4350 9,300	*4000 *8,650	2900 6,150	*2250 *4,950	2100 4,650	7.40 25.00
0.0 m 0.0 ft	kg lb			*7050 *16,300	*7050 16,050	*5600 *12,100	4100 8,850	*4100 *8,850	2750 5,950	*2500 *5,500	2150 4,700	7.24 24.17
-1.5 m -5.0 ft	kg lb	*4750 *10,600	*4750 *10,600	*7850 *16,950	7400 15,850	*5350 *11,550	4000 8,650	*3850 *8,200	2700 5,850	*3000 *6,600	2350 5,150	6.74 22.50
-3.0 m -10.0 ft	kg lb	*8100 *18,150	*8100 *18,150	*6100 *13,150	*6100 *13,150	*4300 *9,200	4050 8,700			*2900 *6,300	*2900 *6,300	5.81 19.17
-4.5 m -15.0 ft	kg lb									*2500 *2500	*2500 *2500	3.67



ISO 10567



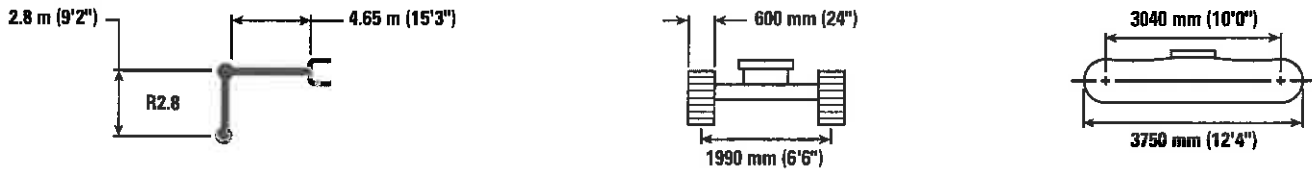
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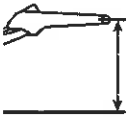











Lift capacity stays with ±5% for all available track shoes.

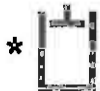
Always refer to the appropriate Operation and Maintenance Manual for specific product information.

315F L Hydraulic Excavator Specifications

Reach Boom Lift Capacities – Counterweight: 3.56 mt (3.9 t) – Blade Down



	1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				m ft	
												
7.5 m 25.0 ft	kg									*2750	*2750	4.21
	lb									*6,250	*6,250	13.20
6.0 m 20.0 ft	kg				*3650	*3650				*2300	*2300	5.83
	lb				*7,950	*7,950				*5,100	*5,100	18.88
4.5 m 15.0 ft	kg				*3850	*3850	*3500	3050		*2150	*2150	6.75
	lb				*8,400	*8,400	*7,650	6,500		*4,750	*4,750	22.03
3.0 m 10.0 ft	kg		*6300	*6300	*4550	*4550	*3750	2950		*2150	*2150	7.24
	lb		*13,450	*13,450	*9,800	9,750	*8,100	6,350		*4,750	*4,750	23.72
1.5 m 5.0 ft	kg		*8300	7850	*5300	4250	*4000	2850		*2250	2100	7.39
	lb		*17,900	16,850	*11,400	9,200	*8,700	6,100		*4,950	4,600	24.26
0.0 m 0.0 ft	kg		*7050	*7050	*5650	4050	*4150	2750		*2500	2150	7.23
	lb		*16,300	15,950	*12,200	8,750	*8,950	5,900		*5,500	4,650	23.73
-1.5 m -5.0 ft	kg	*4750	*4750	*7900	7350	*5400	4000	*3850	2700	*3000	2350	6.73
	lb	*10,600	*10,600	*17,100	15,800	*11,650	8,550	*8,300	5,800	*6,600	5,100	22.05
-3.0 m -10.0 ft	kg	*8100	*8100	*6200	*6200	*4350	4000			*2900	2850	5.80
	lb	*18,150	*18,150	*13,300	*13,300	*9,300	8,600			*6,350	6,350	18.91
-4.5 m -15.0 ft	kg									*2550	*2550	3.66
	lb											



ISO 10567



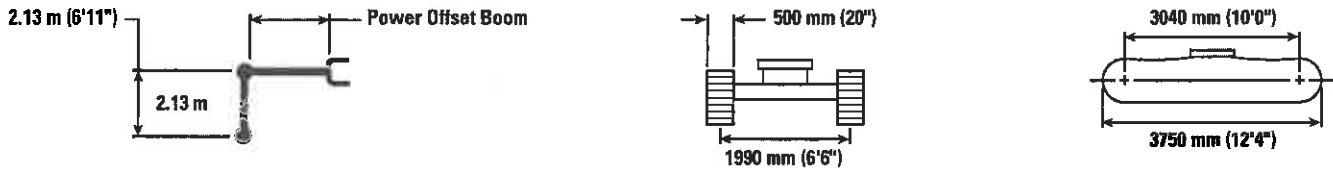
* Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.











Lift capacity stays with $\pm 5\%$ for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

315F L Hydraulic Excavator Specifications

Power Offset Boom Lift Capacities -- Counterweight: 3.56 mt (3.9 t) – Blade Down



		1.5 m/5.0 ft		3.0 m/10.0 ft		4.5 m/15.0 ft		6.0 m/20.0 ft				
												
6.0 m	kg			*4550	*4550					*2750	*2750	4.21
20.0 ft	lb			*10,000	*10,000					*6,150	*6,150	14.17
4.5 m	kg			*5000	*5000	*4150	*4150			*2650	*2650	5.42
15.0 ft	lb			*10,800	*10,800	*9,050	*9,050			*5,800	*5,800	18.33
3.0 m	kg			*6600	*6600	*4600	4450	*3000	2850	*2750	*2750	6.02
10.0 ft	lb			*14,200	*14,200	*10,000	9,600			*6,050	*6,050	20.00
1.5 m	kg			*8050	7450	*5150	4100	*3850	2700	*3100	2600	6.21
5.0 ft	lb			*17,400	16,050	*11,100	8,850	*8,350	5,800	*6,800	5,650	20.83
0.0 m	kg			*7850	7050	*5250	3900	*3750	2600	*3750	2600	6.01
0.0 ft	lb			*17,100	15,150	*11,300	8,350			*8,250	5,700	20.00
-1.5 m	kg	*6300	*6300	*6700	*6700	*4650	3800			*3700	3000	5.40
-5.0 ft	lb	*14,050	*14,050	*14,450	*14,450	*10,050	8,200			*8,100	6,550	18.33
-3.0 m	kg			*4450	*4450					*3300	*3300	4.17
-10.0 ft	lb			*9,450	*9,450					*7,150	*7,150	14.17



ISO 10567



*Indicates that the load is limited by hydraulic lifting capacity rather than tipping load. The above loads are in compliance with hydraulic excavator lift capacity standard ISO 10567:2007. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. Weight of all lifting accessories must be deducted from the above lifting capacities. Lifting capacities are based on the machine standing on a firm, uniform supporting surface. The use of a work tool attachment point to handle/lift objects, could affect the machine lift performance.

Lift capacity stays with ±5% for all available track shoes.

Always refer to the appropriate Operation and Maintenance Manual for specific product information.

315F L Hydraulic Excavator Specifications

Work Tool Offering Guide*

Boom Type	Reach Boom	
	R3.0 m (9'10")	R2.8 m (9'2")
Stick Size		
Hydraulic Hammer	H110Es H115Es	H110Es H115Es
Mobile Scrap and Demolition Shear	S320B**	S320B**
Compactor (Vibratory Plate)	CVP75	CVP75
Contractors' Grapple	G112B	G112B
Trash Grapple		
Thumbs		
Rakes		
Cat Pin Grabber Coupler		

These work tools are available for the 315F L.
Consult your Cat dealer for proper match.

*Matches are dependent on excavator configurations. Consult your Cat dealer for proper work tool match.

**Boom Mount.

315F L Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Width		Capacity		Weight		Fill	Reach Booms			POB**
	mm	in	m ³	yd ³	kg	lb		%	R3.0 m (9'10")	R2.8 m (9'2")	
Without Quick Coupler											
General Duty (GD)	450	18	0.20	0.27	276	608	100	☉	☉	☉	☉
	600	24	0.31	0.40	326	719	100	☉	☉	☉	●
	750	30	0.41	0.54	374	823	100	☉	☉	☉	☉
	900	36	0.53	0.69	423	932	100	●	☉	☉	☉
	1050	42	0.65	0.84	469	1,034	100	☉	☉	☉	X
	1200	48	0.76	1.00	510	1,125	100	X	X	X	X
Severe Duty (SD)	600	24	0.31	0.40	367	810	90	●	☉	☉	☉
	750	30	0.41	0.54	425	936	90	☉	☉	☉	☉
	900	36	0.53	0.69	483	1,065	90	●	☉	☉	☉
	1050	42	0.65	0.84	529	1,166	90	☉	☉	☉	X
Maximum load pin-on (payload + bucket)							kg	1605	1690	1555	2275
							lb	3,537	3,725	3,427	5,014

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with Long tips.

*Densities with 3.0 m (9'10") thumb stick do not consider thumb weight.

**POB installs blade as standard configuration.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ☉ 1800 kg/m³ (3,000 lb/yd³)
- ☉ 1500 kg/m³ (2,500 lb/yd³)
- X Not recommended

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

315F L Hydraulic Excavator Specifications

Bucket Specifications and Compatibility

	Width		Capacity		Weight		Fill	Reach Booms			POB**	
	mm	in	m ³	yd ³	kg	lb		%	R3.0 m (9'10")	R2.8 m (9'2")		3.0 m (9'10") Thumb*
With Quick Coupler												
General Duty (GD)	450	18	0.20	0.27	276	608	100	●	●	●	●	
	600	24	0.31	0.40	326	719	100	●	●	●	●	
	750	30	0.41	0.54	374	823	100	●	●	●	●	
	900	36	0.53	0.69	423	932	100	⊙	⊙	⊖	●	
	1050	42	0.65	0.84	469	1,034	100	○	⊖	○	●	
	1200	48	0.76	1.00	510	1,125	100	◇	○	◇	⊙	
Severe Duty (SD)	600	24	0.31	0.40	367	810	90	●	●	●	●	
	750	30	0.41	0.54	425	936	90	●	●	●	●	
	900	36	0.53	0.69	483	1,065	90	⊙	●	○	●	
	1050	42	0.65	0.84	529	1,166	90	⊖	⊖	○	●	
Maximum load with coupler (payload + bucket)								kg	1359	1444	1309	2029
								lb	2,996	3,183	2,885	4,472

The above loads are in compliance with hydraulic excavator standard EN474, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451.

Bucket weight with Long tips.

*Densities with 3.0 m (9'10") thumb stick do not consider thumb weight.

**POB installs blade as standard configuration.

Maximum Material Density:

- 2100 kg/m³ (3,500 lb/yd³)
- ⊙ 1800 kg/m³ (3,000 lb/yd³)
- ⊖ 1500 kg/m³ (2,500 lb/yd³)
- 1200 kg/m³ (2,000 lb/yd³)
- ◇ 900 kg/m³ (1,500 lb/yd³)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

315F L Standard Equipment

Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

CAB

- Pressurized operator station with positive filtration
- Sliding upper door window (left-hand cab door)
- Removable lower windshield with in cab storage bracket
- Coat hook
- Beverage holder
- Literature holder
- AM/FM radio
- Radio with MP3 auxiliary audio port
- Two stereo speakers
- Storage shelf suitable for lunch or toolbox
- Color LCD display with indicators, filter/fluid change, and working hour information
- Adjustable armrest
- Height adjustable joystick consoles
- Neutral lever (lock out) for all controls
- Travel control pedals with removable hand levers
- Capability of installing additional pedal
- Power outlets, 5 amp
- Travel alarm
- Laminated glass front upper window and tempered other windows

ELECTRICAL

- 80 amp alternator
- Circuit breaker
- Capability to electrically connect a beacon

ENGINE

- C4.4 ACERT diesel engine
- Biodiesel capable
- Meets Tier 4 Final emission standards
- 2300 m (7,500 ft) altitude capability
- Electric priming pump
- Automatic engine speed control
- Economy and high power modes
- Two-speed travel
- Side-by-side cooling system
- Radial seal air filter
- Primary filter with water separator and water separator indicator
- Secondary filter
- Screen filter in fuel line
- Variable speed fan with viscous clutch

HYDRAULIC SYSTEM

- Boom drift reduction valve
- Regeneration circuit for boom and stick
- Reverse swing dampening valve
- Automatic swing parking brake
- High-performance hydraulic return filter
- Fine swing control

LIGHTS

- Halogen boom light (left side)
- Time delay function for boom light and cab light
- Exterior light

UNDERCARRIAGE

- Center track guiding guard
- Grease Lubricated Track GLT2, resin seal
- Towing eye on base frame

SECURITY

- Cat one key security system
- Door locks
- Cap locks on fuel and hydraulic tanks
- Lockable external tool/storage box
- Signaling/warning horn
- Secondary engine shutoff switch
- Rear window for emergency exit
- Guard, travel motor protection
- Rearview camera

TECHNOLOGY

- Product Link

Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

CAB

- Seat, high-back air suspension with heater and cooling
- Seat, high-back air suspension with heater
- Seat, high-back mechanical suspension
- Right pedal
- Rain protector
- Cab mirror
- Ashtray

COUNTERWEIGHT

- 3.56 mt (3.9 t) without lifting eye

ELECTRICAL

- Cold weather battery -25° C (-13° F)
- Jump start receptacle

ENGINE

- Quick drains, engine and hydraulic oil

FRONT LINKAGE

- Quick coupler
- Bucket linkage
- 4.65 m (15'3") Reach Boom
- Power Offset Boom
- 2.13 m (6'11") stick for Power Offset Boom
- 2.8 m (9'2") stick
- 3.0 m (9'10") stick
- 3.0 m (9'10") thumb-ready stick

HYDRAULIC SYSTEM

- Control pattern quick-changer, two way
- Auxiliary hydraulics
- Boom and stick lines
- High-pressure line
- Medium-pressure line
- Quick coupler line
- Boom lowering and stick lowering control device
- Cat Bio hydraulic oil

LIGHTS

- Working light, cab mounted with time delay
- HID light, cab mounted with time delay
- Halogen boom lights (right side)

UNDERCARRIAGE

- 500 mm (20") triple grouser shoes
- 600 mm (24") triple grouser shoes
- 700 mm (28") triple grouser shoes
- Rubber pad for 500 mm (20") triple grouser shoes
- 2500 mm (8'2") blade with replaceable cutting edge
- 2600 mm (8'6") blade with replaceable cutting edge
- 2700 mm (8'10") blade with replaceable cutting edge
- Swivel guard

SECURITY

- FOGS, bolt-on
- Guard, cab front, mesh
- Guard, vandalism
- Security system fitted (MSS)
- Bottom guards, heavy duty
- Rearview camera

TECHNOLOGY

- Cat Grade Control Depth and Slope

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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