



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

[List View](#)

General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 629407

SO Doc Code: CRFQ

Procurement Type: Central Master Agreement

SO Dept: 0803

Vendor ID: 000000166150



SO Doc ID: DOT2000000054

Legal Name: TRACTOR GUYS LLC

Published Date: 11/20/19

Alias/DBA:

Close Date: 12/3/19

Total Bid: \$5,448,160.00

Close Time: 13:30

Response Date: 12/03/2019



Status: Closed

Response Time: 12:18

Solicitation Description: ADDENDUM 1 4WD TRACTOR
W/MID-MTD. 18' BOOM MOWER

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia
 Solicitation Response**

Proc Folder : 629407

Solicitation Description : ADDENDUM 1 4WD TRACTOR W/MID-MTD.18' BOOM MOWER (7020EC09)

Proc Type : Central Master Agreement

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-12-03 13:30:00	SR 0803 ESR12031900000003376	1

VENDOR
000000166150 TRACTOR GUYS LLC

Solicitation Number: CRFQ 0803 DOT2000000054

Total Bid : \$5,448,160.00 **Response Date:** 2019-12-03 **Response Time:** 12:18:00

Comments:

FOR INFORMATION CONTACT THE BUYER
 Crystal G Hustead
 (304) 558-2402
 crystal.g.hustead@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	4WD TRACTOR MID-MTD. 18' BOOM MOWER/ROTARY HEAD	40.00000	EA	\$136,204.000000	\$5,448,160.00

Comm Code	Manufacturer	Specification	Model #
21101701			

Extended Description : FOUR-WHEEL DRIVE TRACTOR JOHN DEERE 5100M W/MID-MOUNT 18-FT TIGER BENGAL ARTICULATED BOOM MOWER W/TIGER 60-INCH ROTARY CUTTING HEAD OR EQUAL



12/2/19

To: State of WV Department of Highways

From: The Tractor Guys LLC

Re: Bid CRFQ DOT 2000000054

The Tractor Guys LLC / PARCS Super Stores is pleased to offer the attached bid proposal in reply to RFQ ...54. PARCS is confident that this package meets and exceeds specification required from bid. PARCS has submitted the Vendor Preferences form as we are owned and operated by a Military Veteran, female as a minority and majority of employees are WV residents. If at any time DOT has Questions please feel free to contact project manager Patrick Holguin 304-615-6340.



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: 629407

Doc Description: ADDENDUM 1 4WD TRACTOR W/MID-MTD.18' BOOM MOWER (7020EC09)

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2019-11-20	2019-12-03 13:30:00	CRFQ 0803 DOT2000000054	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: The Tractor Guys LLC
 87 wiseman run road
 Salem wv 26426
 PH: 304-782-4111

FOR INFORMATION CONTACT THE BUYER

Crystal G Hustead
 (304) 558-2402
 crystal.g.hustead@wv.gov

Signature X

FEIN # 27-0951894

DATE 12/2/19

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

ADDITIONAL INFORMATION:

THE STATE OF WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING BIDS TO ESTABLISH AN OPEN-END CONTRACT FOR A WVDOH CLASS 131 FOUR-WHEEL DRIVE UTILITY TRACTOR JOHN DEERE 5100M OR EQUAL WITH MID- MOUNTED 18 FOOT TIGER BENGAL ARTICULATED BOOM MOWER WITH 60-INCH CUTTING HEAD PER THE ATTACHED DOCUMENTS.

QUESTIONS REGARDING THE SOLICITATION MUST BE SUBMITTED IN WRITING TO CRYSTAL.G.HUSTEAD@WV.GOV PRIOR TO THE QUESTION PERIOD DEADLINE CONTAINED IN THE INSTRUCTIONS TO VENDORS SUBMITTING BIDS.

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
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Comm Code	Manufacturer	Specification	Model #
21101701	NEW HOLLAND	MEETS SPECS	T 5 110 ELECTRO COMMAND

Extended Description :

FOUR-WHEEL DRIVE TRACTOR JOHN DEERE 5100M W/MID-MOUNT 18-FT TIGER BENGAL ARTICULATED BOOM MOWER W/TIGER 60-INCH ROTARY CUTTING HEAD OR EQUAL

SCHEDULE OF EVENTS

Line	Event	Event Date
1	MANDATORY PRE-BID MEETING	2019-11-06
2	VENDOR QUESTION DEADLINE	2019-11-15

DOT2000000054	Document Phase Final	Document Description ADDENDUM 1 4WD TRACTOR W/MID-MTD.18' BOOM MOWER (7020EC09)	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
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 13 - Equipment

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FOR INFORMATION CONTACT THE BUYER

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FOUR-WHEEL DRIVE TRACTOR JOHN DEERE 5100M W/MID-MOUNT 18-FT TIGER BENGAL ARTICULATED BOOM MOWER W/TIGER 60-INCH ROTARY CUTTING HEAD OR EQUAL

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Line	Event	Event Date
1	MANDATORY PRE-BID MEETING	2019-11-06
2	VENDOR QUESTION DEADLINE	2019-11-15

SOLICITATION NUMBER: CRFQ DOT2000000054

Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as (“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
- Other

Description of Modification to Solicitation:

1. To provide answers to vendor questions
2. To publish the pre-bid meeting sign-in sheets
3. To provide Revised Exhibit A Pricing Page

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.

ATTACHMENT A

ADDENDUM 1

CRFQ 0803 DOT2000000054

4 WD Utility Tractor John Deere 5100M or Equal with Mid-Mounted 18 Foot Tiger Bengal Articulated Boom Mower

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

1. 3.1.1.4 The unit specified herein and offered shall be manufactured on or after January 1, 2020 and will be clearly identified and marked with date of manufacture.

Question # 1 : Request date of Manufacture for tractor changed to a 2019 or 2020 machine.

Question # 2: What if tractor is produced before Jan 1, 2020?

Answer: Question #1. Will accept.

Question #2. Will accept

2. 3.1.1.2 Wheelbase shall be 90 inches minimum.

Question: Will you accept Wheelbase of 88.6 inches?

Answer: Yes. Will accept.

3. 3.1.6.3 Shall have minimum 1200 cold cranking amp (CCA)

Question # 1: Is a battery with 140 Ah fine? Standard battery is only 800 CCA

Question # 2: This RFQ specifies that the state wants a four (4) Wheel Drive Tractor John Deere 5100M or Equal. We are requesting that the listed specification 3.1.6.3 be corrected to have a minimum 925 CCA battery, which more accurately describes the current model year 2020 production of the John Deere 5100M Tractor.

Answer: Question #1 No. Will change 3.1.6.3 to read shall have a minimum 900 Cold cranking amps (CCA) with matching Ah rating for battery size

Question #2 Will change 3.1.6.3 to read shall have a minimum 900 Cold cranking amps (CCA) with matching Ah rating for battery size.

4. 3.1.9.1 Unit shall have Whelen IX4AC liberty II LED amber and white lightbar or equal, mounted on the top rear center of cab protection.

Answer: The Equipment Division will be removing section 3.1.9.1, we will be installing our own light bar.

5. 3.1.11.2 Shall be equipped with a de-clutch button on gear shift lever, requiring no foot clutch usage while shifting range gears.

Question: Is a de-clutch button required?

Answer: Yes. Leave as written.

6. 3.1.12.1 Shall have power shift design, power shuttle provides powershifting through the gears of each range and must have a transmission that can be shifted on the go within the speed gears.

Question: Transmission - The RFQ specifies that the state wants a Four (4) Wheel Drive Utility Tractor John Deere 5100M or Equal. We are requesting that the listed specification 3.1.12.1 be corrected to include a John Deere PowrReverser Transmission, which more accurately describes the current model year 2020 production of the John Deere 5100M Tractor. The PowerReverser transmission has 4 ranges with partial synchronization between ranges and allows the speed gears to be shifted on the go within each range. See below for more details.

Answer: Will accept John deere PowerReverser transmission.

7. 3.1.19.1 Front tire shall be minimum 340/85R24 R1W radial or equal.

3.1.19.2 Rear tires shall be minimum 18.4R30 R1W radial or equal.

Question # 1: Are 13.6R28 front tires fine?

Question # 2: Are 18.4R34 rear tires fine?

Question # 3: This front tire is larger than Tiger recommends and may cause a clearance issue. Will the state change the specification to allow 11.2x24 radial front tires to insure compatibility?

Question # 4: This rear tire is larger than Tiger recommends. Will the state change the specification to allow 16.9x30 radial rear tires to insure compatibility?

Question # 5: To ensure mower compatibility we are respectfully asking that the specification be changed to allow for 280/85R24 (11.2 x 24) R1W Radial front tires or a 320/85R24 (12.4R24) R1W front tire, whichever one is compatible with the boom mower.

Question # 6: To ensure mower compatibility we are respectfully asking that the specification be changed to allow for 420/85R30 (16.9 x 30) R1W Radial rear tires 460/85R30 (18.4 x 30) R1W radial rear tire, whichever one is compatible with the boom mower.

Question: 7: We are requesting that you change the minimum front tire code to 320/85R24 (12.4R24) so that the ratio matches the minimum 18.4R30 rear tire code in the next section (3.1.19.2)

Question # 8: 3.1.19.1 – In a boom mowing application, slight variations in front tire diameter can drastically affect the turning radius of the boom mowing package. Can 320/85R24 tires be supplied on the front tires to optimize turning radius, tread wear, and stability.

Answer: Will change 3.1.19.1 to read front tires shall be minimum 280/85R24 (11.2x24)R1W radial or equal.

Will change 3.1.19.2 to read tires shall be minimum 420/85R30 (16.9x30)

8. **3.1.20.9** Lift arm cylinders shall be mounted externally and be a min 68 millimeters diameter

Question: - **Lift arm cylinders** - The RFQ specifies that the state wants a Four (4) Wheel Drive Utility Tractor John Deere 51000M or Equal. We are requesting that the listed specification 3.1.20.9 be changed to EITHER (#1) Lift arm cylinders shall be mounted externally and be a min of 65mm or (#2) Lift Arm cylinders shall be mounted externally and shall have an AVERAGE minimum diameter of 68mm." This will more accurately describe the current model year 2020 production of the John Deere 5100M Tractor where one cylinder is 65mm and the other cylinder is 75mm, averaging 70mm.

Answer: **Answer: Will revise 3.1.20.9 to read Lift arm cylinders shall be mounted externally.**

9. **3.1.21.3** Cab shall have Poly-shield or equal on right side 1/2 inch thick minimum with anti-scratch coating on both sides, installed into the original cab manufactured door and side window. Windows shall be tinted at all locations.

Question: A. Industry standard for right hand polycarbonate windows on boom mowing tractors is 3/8-inch thick. Will 3/8-inch thickness be acceptable?

Answer: No. Leave as written.

10. **3.1.21.4** Cab unit shall be equipped with heater, defroster, air conditioning and standard AM/FM radio with Bluetooth and shall be installed by the manufacturer.

Question: We politely ask that you change the language to: Cab unit shall be equipped with heater, defroster, and air conditioning and shall be installed by the manufacturer. An AM/FM radio with Bluetooth shall be installed.

Answer: Yes. Will revise to read: Cab unit shall be equipped with heater, defroster, air conditioning installed by manufacturer. A Jensen SWJHD1635BT or equal AM/FM radio with Bluetooth shall also be installed.

11. 3.1.21.8 Seat shall have a height and swivel adjustment and be heated.

Question: Is seat swivel required?

Answer: Yes. Leave as written.

12. 3.2.2.1 Frame shall be mid-mounted to underside of tractor utilizing a center weldment adequately bolted to the tractor and 3 ½-inch x 3 ½- inch x 1/8 inch- minimum dual rear axle braces for maximum stability and weight transfer.

Question: The dual axle braces for the Bengal 18' boom mower mounted on the John Deere 5100M are 3" x 3" x ¼". By using ½" smaller tubular steel and increasing the wall thickness from 1/8" to ¼" we obtain the required strength to support the main frame and the boom rest properly. A 3" x 3" x ¼" tube has a section modulus of 2.107 in³, which is greater than the section modulus of a 3-1/2" x 3-1/2" x 1/8" tube at 1.766 in³. Will the state change the specification to allow 3" x 3" x ¼" dual rear axle braces?

Answer: Yes. Will accept.

13. 3.2.2.2 Unit shall be counterweighted to maintain the most possible ground pressure of tires on opposite side of mower during all reach out, up, and down operations of boom with specified head. Rear tire that holds counterweight shall be filled with beet juice, water or calcium filled will not be accepted.

Question: Will you accept windshield washer fluid to replace beet juice?

Answer: No. Leave as written.

14. 3.2.4.2 An axle boom stow system constructed of minimum ¼-inch x 4-inch x 4-inch square tubing minimum with water drain holes and shall be mounted to the mower frame with frame member extending to the axle mounts. 3-point hitch system shall function normally.

Question: Due to the fact that the 5100M is a smaller framed tractor and the 18 ft. boom does not require a 4" x 4" x ¼" square tubing to adequately support the boom when in the stow position, Tiger uses a 3" x 3" x ¼" tubing, which will have sufficient support and structure for this shorter boom mower. Will the state change the specification to allow a 3" x 3" x ¼" 3OS design boom stow system?

Answer: Yes. Will accept.

15. 3.2.5.1 Boom shall be minimum two (2) piece design, with all hinge points of the arm and mast shall have minimum 2-inch diameter steel pins with greaseable, replaceable steel bushings. Kingpost or Turret style mounting is acceptable.

Question # 1: The Bengal 18' boom mower Tiger offers a 2 ½" Vertical pin for the boom swivel bracket and has 1 ½" pins for the boom pivot points. Will the state change the specification to allow for 2 ½" vertical swivel bracket pin and 1 ½" steel boom pivot pin?

Question # 2: Please change the pin diameter to minimum 1 1/2 inch as we build our pins out of AISI 1045 steel with a Brinell Hardness ranging between 170 and 210 which is higher than conventional ASTM A36 carbon steel.

**Answer: Question #1. Will accept.
Question #2. Will accept.**

16. 3.2.5.4 Dipper boom shall be made of 6-inch x 4-inch x 1/4-inch steel tubing minimum, with a 50,000 lb. per square inch minimum yield strength.

Question: Please include 5-inch x 5-inch x ¼-inch steel tubing as an alternate material. We construct our dipper booms out of ASTM A500 GR.50 structural tubing that meets the 50,000 psi minimum yield strength requirement and features a minimum tensile strength of 62,000 psi. Furthermore, the equilateral shape provides greater strength in the vertical plane than a 6" x 4" tube.

Answer: Will accept.

17. 3.2.5.5 All hinge points shall be T-1 steel reinforcement.

Question: Since T-1 is a trade name, could you consider rewriting the specification to read, All hinge points shall include High Strength Low Alloy (HSLA) steel reinforcement.

Answer: Yes. Will change to read: All hinge points shall be high strength low alloy steel reinforced.

18. 3.2.6.2 Top deck shall be A606 alloy steel 10 gauges or equal.

Question: Will the state change the specification as follows to allow for this rotary deck?

Note: This is the same verbiage used in CRQF 20*53, 3.2.6.2

Top deck shall be 110,000 PSI yield Domex® or equal 1/8-inch thick minimum, continuously welded for strength.

Answer: Yes. Will accept.

19. 3.2.6.3 Side skirts shall be a minimum of 3/8-inch steel.

Question: Will the state change the specification as follows to allow for 1/4" side skirt?

Note: This is the same verbiage used in CRQF 20*53, 3.2.6.3

Side Skirts shall be a minimum of 1/4 inch steel.

Bengal boom mower side skirts are constructed of 110,000 PSI yield Domex® steel 1/4" thick side skirts.

Answer: Yes. Will accept.

20. 3.2.6.6 Spindle bearings shall be tapered roller type in a sealed housing, to support 4 1/2-inch minimum diameter spindle drive shaft.

Question: Will the state change the specification as follows to allow this spindle?

Note: This is the same verbiage used in CRQF 20*53, 3.2.6.6

The 60" rotary mower deck has a one piece forged and heat-treated spindle. It has an integral 7 1/4" O.D. drive hub.

Answer: Yes. Will accept.

21. 6.1 Delivery Time: Delivery Time: A completed pilot model for inspection must be provided within 120 working day(s) after receipt of the pilot model order, by the successful vendor. Vendor shall deliver standard orders within 180 working days after orders are received Working day is defined as any week day, Monday thru Friday, excluding Federal and State Holidays. Vendor shall ship all orders until a minimum delivery quantity is met.

Question # 1: Is this 180 working days after the Pilot is accepted?

Question # 2: We would ask that the delivery be extended by 30 working days, so 150 working days for the pilot model and 210 working days for the balance.

**Answer: Question #1. After the pilot is accepted you have 180 days to fill orders placed.
Question #2. Yes. Will accept**

22. Terms & Conditions: 15. PREFERENCE: Vendor Preference may be requested in purchases of motor vehicles or construction and maintenance equipment and machinery used in highway and other infrastructure projects. Any request for preference must be submitted in writing with the bid, must specifically identify the preference requested with reference to the applicable subsection of West Virginia Code § 5A-3-37, and should include with the bid any information necessary to evaluate and confirm the applicability of the requested preference. A request form to help facilitate the request can be found at: <http://www.state.wv.us/admin/purchase/vrc/Venpref.pdf>.

Question: Will vendor preference be used when determining these bids?

Answer: Yes, to comply with applicable subsection of West Virginia Code § 5A-3-37

23. Exhibit A Pricing Page

Inadvertently left off estimated quantity, Please see attached Exhibit A.

VENDOR: <u>THE TRACTOR GUYS LLC</u> Class 131 4WD TRACTOR- MNT. 18' ARTICULATED BOOM MOWER WITH 60-INCH CUTTING HEAD					
CRFQ DOT2000000054					
Item No.	Description:	Model & Part Number Being Bid	Estimated Unit Quantity	Unit Price	Item Total Cost
1	John Deere 5100M with Tiger bengal with 60-inch rotary head or equal	NEW HOLLAND T5 110 ELECTRO COMMAND ALAMO 18' BOOM MACHETTE W 60" ROTARY CUTTER	40	\$136,204.00	\$5,448,160.00
Total Bid Amount					\$5,448,160.00
Contract will be awarded to the lowest responisble bidder					

Vendor Information
Company Name: THE TRACTOR GUYS LLC
Contract Manager: PATRICK HOLGUIN
Address: 87 WISEMAN RUN ROAD SALEM WV 26426
Phone: 304-615-6340
304-782-4111
Email: PHOLGUIN@PARCS.COM
Signature:

Pre-Bid Sign-In Sheet

Solicitation Number: CRFQ 0803 DOT2000000054

Date of Pre-Bid Meeting: NOVEMBER 6, 2019

Location of Prebid Meeting: Buckhannon, WV, Equip. Division

Please Note:

Vendors must sign-in on this sheet to verify attendance at the Pre-Bid meeting.
 Failure to legibly sign in may be grounds for declaring a vendor ineligible to bid.
 For further verification, please also provide a business card if possible.

<u>Firm Represented:*</u>	<u>Rep Name (Printed):</u>	<u>Firm Address:</u>	<u>Telephone #:</u>	<u>Fax #:</u>	<u>Email:</u>
Statc Equipment, Inc	Seth Gardner	560 New Goff Mountain Rd Charleston, WV 25313	304-776-4405	304-776-4409	Seth@statcequipment.com
PARCS superstores	Patrick Holguin	87 wise man Run Rd Salem WV 26426	304 782 4111		Pholguin@parcs.com
Lemons Farm Equipment	Maulin Matheny	42 Lemon Lane PK86 WV 26101	304 863 3469	304 863 6772	sales@lemonsfarm equipment.com
Middletown Tractor SALES	Mike Shawes	2050 Boyers DR Fairmont WV 26554	304-366- 4690	304-366 4698	mike@ Middletowntactor. com
Middletown Tractor	Zach Marsh	2050 Boyers DR Fairmont WV 26554	304-366-4690	304 366 4698	Zach@Middletown Tractor.com

***One Vendor Per Representative** - No one individual is permitted to represent more than one vendor at the pre-bid meeting. Any individual that does attempt to represent two or more vendors will be required to select one vendor to which the individual's attendance will be attributed. The vendors not selected will be deemed to have not attended the pre-bid meeting unless another individual attended on their behalf.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DOT2000000054

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

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

Addendum Numbers Received:


(Check the box next to each addendum received)

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

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

THE TRACTOR GUYS LLC

Company



Authorized Signature

12/2/19

Date

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

Revised 6/8/2012



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

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 CHARLESTON WV 25305
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VENDOR

Vendor Name, Address and Telephone Number: THE TRACTOR GUYS LLC
 87 WISEMAN RUN ROAD
 SALEM, WV 26426
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FOR INFORMATION CONTACT THE BUYER

Crystal G Husted
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Signature X

FEIN # 27-095194

DATE 12-2-19

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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	4WD TRACTOR MID-MTD. 18' BOOM MOWER/ROTARY HEAD	40.00000	EA	\$136,204.00	\$5,448,160.00

Comm Code	Manufacturer	Specification	Model #
21101701	NEW HOLLAND	MEETS SPECS	T5 110 ELECTRO COMMMAND

Extended Description :

FOUR-WHEEL DRIVE TRACTOR JOHN DEERE 5100M W/MID-MOUNT 18-FT TIGER BENGAL ARTICULATED BOOM MOWER W/TIGER 60-INCH ROTARY CUTTING HEAD OR EQUAL

SCHEDULE OF EVENTS

Line	Event	Event Date
1	MANDATORY PRE-BID MEETING	2019-11-06
2	VENDOR QUESTION DEADLINE	2019-11-15

34. 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.

35. 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.

36. 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.

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.

PATRICK HOLGUIN GOVERNMENT REPRESENTATIVE

(Name, Title)

PATRICK HOLGUIN GOVERNMENT REPRESENTATIVE

(Printed Name and Title)

87 WISEMAN RUN RD SALEM, WV 26426

(Address)

304-782-4111 304-782-3279

(Phone Number) / (Fax Number)

PHOLGUIN@PARCS.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.

THE TRACTOR GUYS LLC/ PARCS SUPERSTORES

(Company)



(Authorized Signature) (Representative Name, Title)

CLIFF SNODGRASS CHIEF OPERATING OFFICER

(Printed Name and Title of Authorized Representative)

12-2-19

(Date)

304-782-4111

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ DOT2000000054

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

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

Addendum Numbers Received:
(Check the box next to each addendum received)

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

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

THE TRACTOR GUYS LLC PARCS SUPERSTORES

Company

Authorized Signature

12-2-19

Date

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

REQUEST FOR QUOTATION
CRFQ DOT2000000054
(WVDOH Class 131) 4WD TRACTOR W/ MID MOUNT 18-FT ARTICULATED BOOM
MOWER w/60" INCH ROTARY CUTTING HEAD (7020EC09)

7.2.3 Any other remedies available in law or equity.

8. MISCELLANEOUS:

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

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

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

Contract Manager: PATRICK HOLGUIN
Telephone Number: 304-615-6340
Fax Number: 304-782-3279
Email Address: PHOLGUIN@PARCS.COM

West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

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

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

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

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

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

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

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

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

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: THE TRACTOR GUYS LLC Address: 87 WISEMAN RUN RD SALEM WV 26426

Name of Authorized Agent: Patrick Holguin Address: _____

Contract Number: CRFQ DOT000000054 Contract Description: TRACTOR W/ BOOM MOWER

Governmental agency awarding contract: STATE OF WV DEPARTMENT OF HIGHWAYS

Check here if this is a Supplemental Disclosure

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

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

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

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

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

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

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

Signature: Patrick Holguin

Date Signed: 12-2-19

Notary Verification

State of WV, County of Harrison:

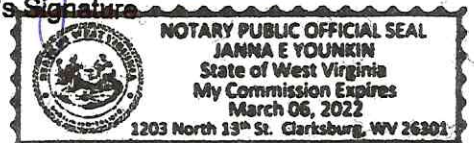
I, Patrick Holguin, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 2nd day of DECEMBER, 1919.

Janna E. Younk
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: THE TRACTOR GUYS LLC

Authorized Signature: [Signature] Date: 12/2/19

State of WEST VIRGINIA

County of HARRISON, to-wit:

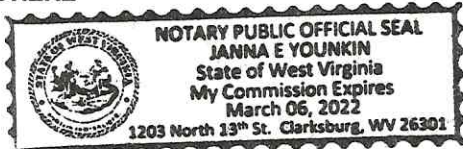
Taken, subscribed, and sworn to before me this 2nd day of DECEMBER, 2019.

My Commission expires 03/06/22, 2022.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature: Janna E. Younklin]



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: [checked] Bidder is an individual resident vendor and has resided continuously in West Virginia, 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; or, [] 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: [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: [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: [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: [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. [checked] 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.
8. Application is made for reciprocal preference. [checked] Bidder is a West Virginia resident and is requesting reciprocal preference to the extent that it applies.

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: THE TRACTOR GUYS LLC

Signed: [Signature]

Date: 11/22/19

Title: CHIEF OPERATING OFFICER

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

T5 Electro Command RANGE

T5.100 | T5.110 | T5.120





New T5 Electro Command. Multitasking becomes easier.

The new T5 Electro Command is helping to define modern livestock, dairy and mixed farming. Its eye catching New Holland styling includes the same design cues you expect in a T6 or T7 tractor. From distinctive cat eye lights, New Holland's signature LED lights and aggressive fish gill vents in the bonnet, the T5 will get heads turning. The tractor's overall compact dimensions and high power-to-weight ratio mean the T5 ticks all the right farming boxes.

Ultimate comfort. For the first time on the T5 Electro Command range, you can benefit from New Holland's renowned Terraglide™ front axle suspension, which helps ensure a silky smooth ride on even the roughest terrain; when paired with Comfort Ride™ cab suspension you've discovered the key to farming luxury.

Excellent efficiency. The T5 Electro Command's compact dimensions are home to the highly efficient FPT Industrial F5C engine with ECOBlue™ Compact HI-eSCR technology for Tier 4B compliance. It delivers increased performance and up to 24% more torque backup for even more productivity.

Outstanding versatility. The new wide frame front loader offers higher stability, even when working with the heaviest loads at maximum extension. The new in-cab joystick features transmission controls for effortless up and down shifting. This is all in a compact package: both standard and Comfort Ride™ cab suspension models come in at the same low overall height of 2.6m.

Increased productivity. The new LED lighting package turns day into night for true around the clock working. The new 1000 ECO PTO setting will see your productivity soar and your fuel consumption reduce. The all-new IntelliSteer® lite package delivers single-screen assisted guidance excellence.

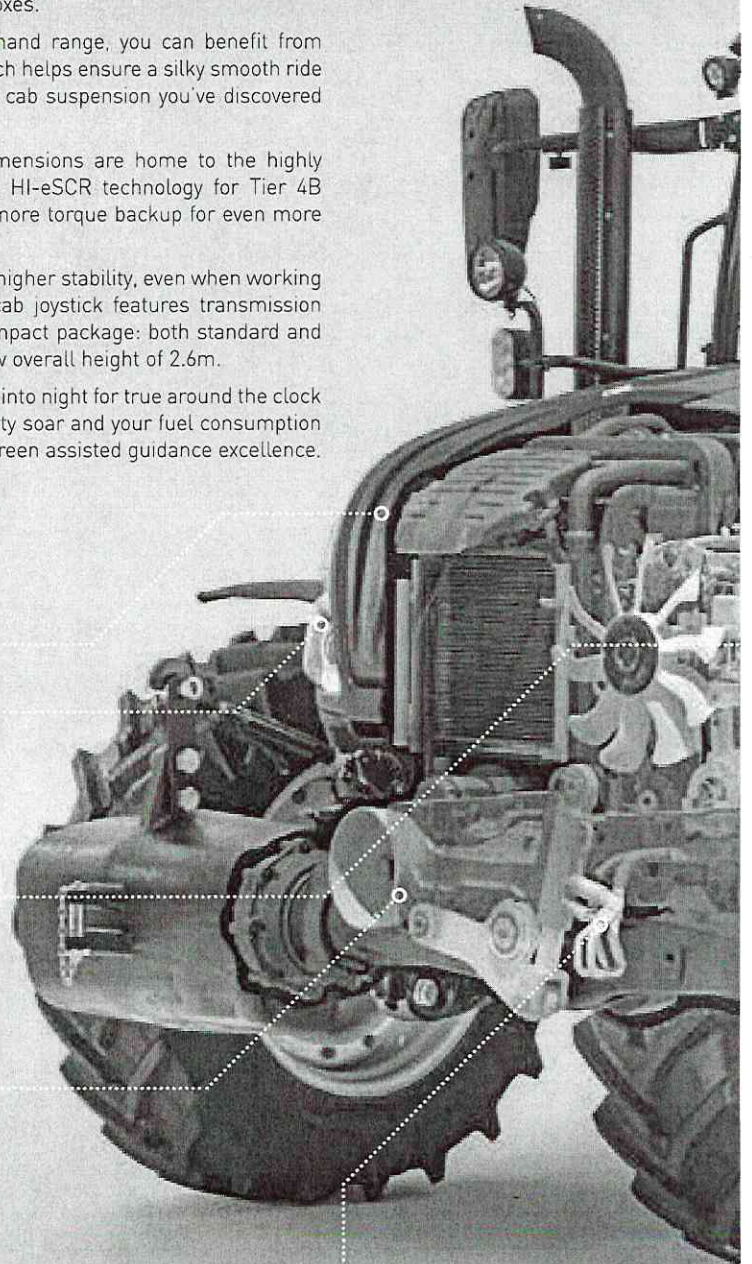
New aggressive styling package

Optional New Holland LED signature lights

ECOBlue™ Compact HI-eSCR Tier 4B engine,
up to 117hp maximum horsepower

Multifunctional front linkage and PTO

Optional Terraglide™
front suspension





ISOBUS Class II compatibility

Hi-visibility roof panel

8 LED working lights option

Optional IntelliSteer® lite guidance system

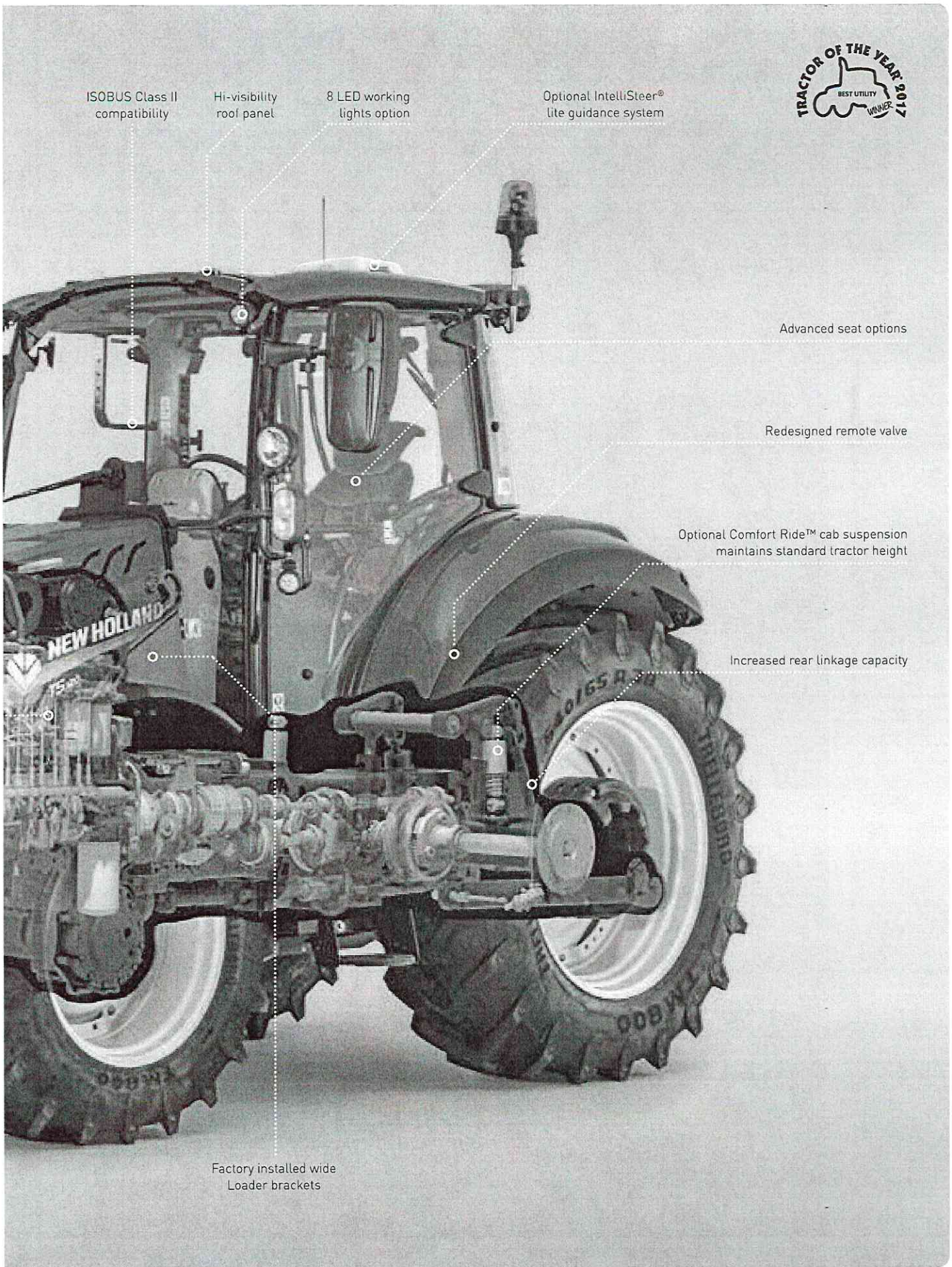
Advanced seat options

Redesigned remote valve

Optional Comfort Ride™ cab suspension maintains standard tractor height

Increased rear linkage capacity

Factory installed wide Loader brackets



A new vision of cab comfort.

The deluxe VisionView™ cab has been designed around you for the ultimate operator experience. Panoramic visibility is guaranteed. Always. Keep an eagle eye on off-set mowers courtesy of the curved and openable side windows. Banish hitching nightmares: the extended rear windscreen guarantees a crystal clear view of the rear hitch. The repositioned exhaust means you've got acres of spaces to survey the road, or the field ahead. Precision position the tiltable steering column and dash to suit you. You'll be even more comfortable thanks to the Terraglide™ front suspension and Comfort Ride™ cab suspension which will cushion you even when travelling across the harshest terrain for a silky smooth ride.





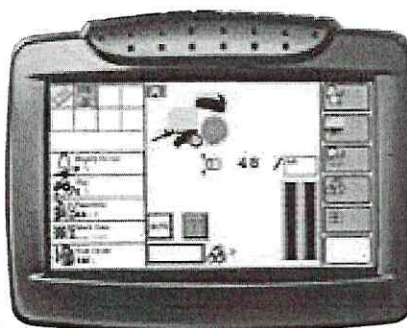
Tailor made PLM[®] packages.

New Holland knows that each farmer has their own autoguidance requirements, and that is why you have the choice between three different solutions across the T5 Electro Command range. The entry-level manual guidance option uses an easy to follow lightbar to keep you on the straight and narrow, perfect for fertilizer spreading. The EZ-Pilot™ option can be retrofitted. Featuring a steering motor and compatible with the separate FM-750 display, this is the ideal solution when cultivating. The range-topping IntelliSteer[®] lite solution is managed through the existing IntelliView™ colour touchscreen monitor, keeping the cab uncluttered and delivers outstanding accuracy, as high as 1.5cm when used with an RTK correction signal. The default choice when planting high value vegetable crops.



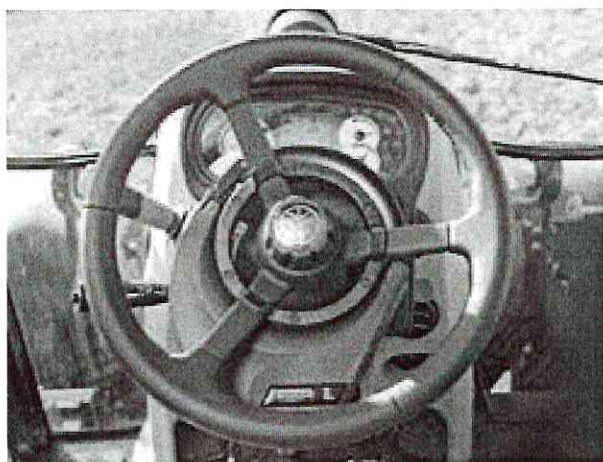
Levels of accuracy and repeatability

New Holland offer multiple levels of accuracy. This enables you to select the right accuracy to match your needs and budget. When using RTK correction with IntelliSteer you can enjoy guaranteed year on year repeatability.



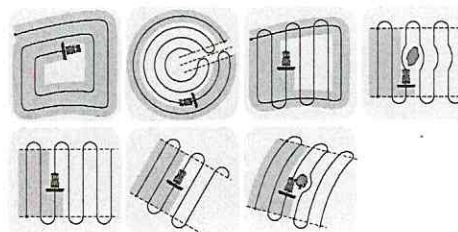
ISOBUS compatibility

The entire T5 Electro Command range can be specified with optional ISOBUS II. What does that mean? Quite simply, you can use the optional IntelliView III monitor for single screen operation of any ISOBUS compatibility implement attached. Simple plug and play.



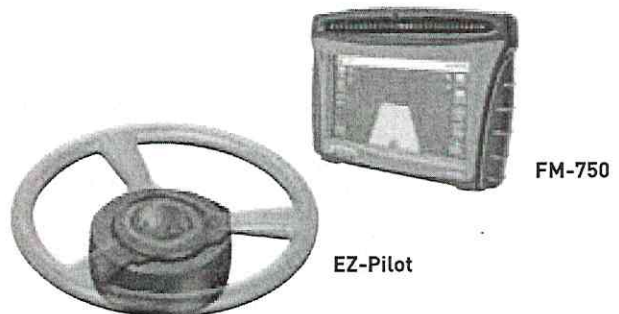
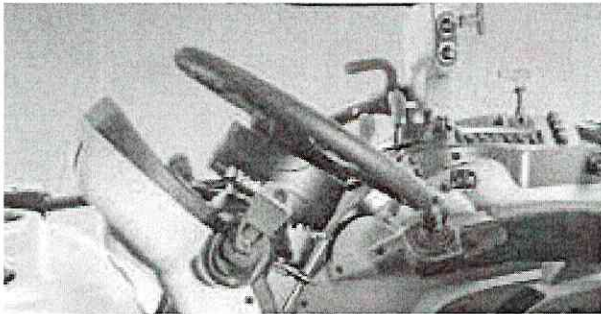
IntelliSteer[®] lite. Intelligent assisted guidance.

The all-new IntelliSteer[®] lite solution offers the user experience of traditional IntelliSteer[®] fully integrated autoguidance with the flexibility of being able to quickly and easily remove it and install it on another machine on your farm. Perfect during harvest, when you can simply remove it from your T5 and install on your New Holland combine. Controlled through the in-cab IntelliView™ colour touchscreen monitor, this intuitive system offers get in and go efficiently, with pass-on-pass and year-on-year repeatability as high as 1.5cm when used with an RTK correction signal.



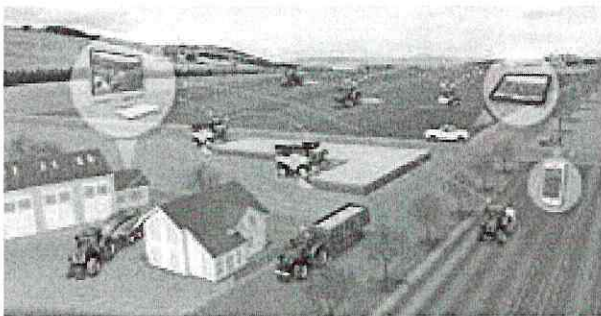
IntelliView™ - visible intelligence

The IntelliView™ colour touchscreen monitor can be used to manage the optional IntelliSteer[®] lite autoguidance system. The IntelliView™ monitors enable fingertip programming of a variety of guidance paths, from straight A-B runs to the most complex adaptive curves. You can personalize your settings simply and easily and also transfer data using My PLM[®] Connect File Transfer and PLM desktop software packages.



The simple hands-free farming system

EZ-Pilot™ is a simple aftermarket hands-free assisted guidance solution. The steering wheel is turned for you courtesy of a fully integrated control module, which you manage via the advanced FM-750 display. For customers who are looking for the ultimate aftermarket solution, Autopilot™ is compatible with T5 Electro Command tractors.

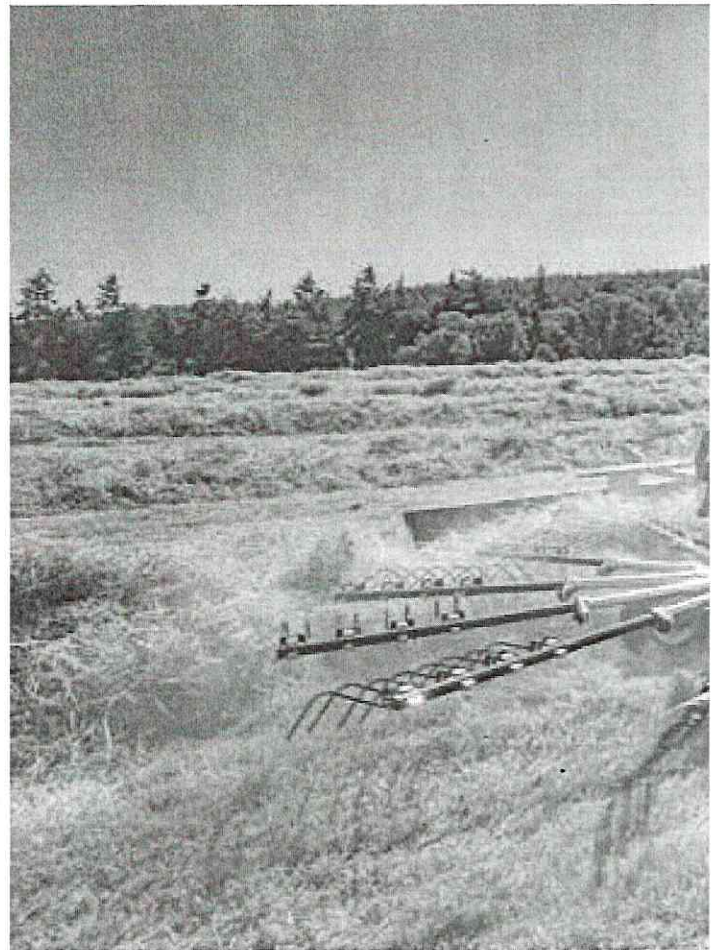


Telematics: manage your machine from the comfort of your office

My PLM® Connect enables you to connect to your T5 Electro Command from the comfort of your office through the utilization of the mobile network. You can stay in touch with your machines at all times, and you can even send and receive real-time information that saves time and enhances productivity. The entry-level My PLM® Connect Essential package offers the most frequently used features or upgrade to the My PLM® Connect Professional package for full machine monitoring and control. In short, My PLM® Connect will help you to reduce your fuel bills and improve fleet management and security in one simple package.

Hydraulic power and PTO flexibility.

The standard MegaFlow™ pump delivers an impressive 84 litres/minute of hydraulic flow from a single pump, so you've got the flow on tap to breeze through intensive hydraulic applications such as bale wrapping and hedge cutting. The new load-sensing mid-mount valves, controlled by the ergonomic joystick, make for super-fast loader cycle times which are uncompromised when steering, which remains light and precise, thanks to the dedicated 43 litre/minute services pump.



Mechanical or electronic, the choice is yours

The T5 can be specified with up to two mid-mount remote valves to operate specialised equipment or a loader. They are controlled via the cab-mounted integrated joystick. A mechanical joystick offers robust functionality with positive engagement or select the electronic option for precise finger-tip actuation. Both versions feature integrated de clutch and up gear and down gear shift buttons.

Accurate electronic draft control

The ergonomic EDC mouse nestles perfectly under the right hand and features acclaimed New Holland design for one-handed operation. Control linkage height and depth for uniform fields, time after time. The fast linkage raise and lower button makes returning an implement to work during a headland turn even easier and faster, speeding up cultivation for improved productivity.



PTO: choice and soft start

A full range of PTO speeds can be selected using the ergonomic lever situated to the right of the operator. Options include 540, 540 ECO, 1000 and 1000 ECO achieved at engine speeds as low as a mere 1500rpm for reduced fuel consumption and quiet in-cab operation. A ground-speed PTO can also be specified, and it is engaged via a dedicated lever to the left of the operator.

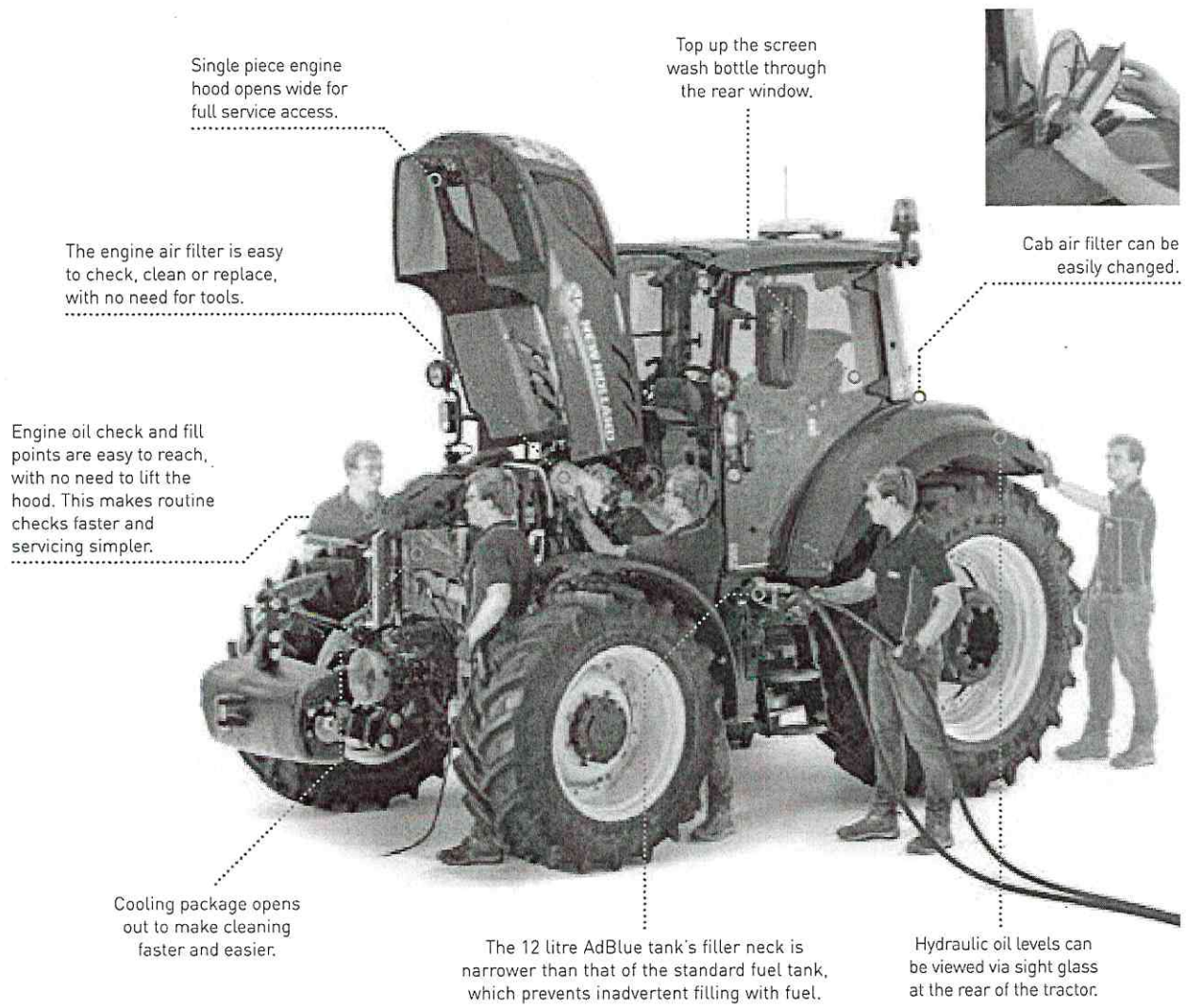


Soft Start and Auto PTO operation

Soft Start PTO is engaged via a dedicated switch on the Command Arc, and it helps protect both the tractor and the implement to prevent sudden shock loads. Safety has been further enhanced with the inclusion of an intentional PTO switch, which must be selected to keep the PTO engaged when leaving the operator's seat. Optional Auto PTO can be selected to automatically disengage the PTO as the rear linkage is raised above a pre-set position. This protects the PTO shaft and tractor. The system will also reengage drive as the linkage is lowered.

360°: T5 Electro Command.

The new T5 range has been designed to spend more time working and less time in the yard. All service points are easy to access, and super long service intervals mean they will spend more time in their natural environment: the field!



Cab air filter can be easily changed.

Dealer Installed Accessories

A comprehensive range of approved accessories to optimise machine performance in all conditions can be supplied and fitted by your dealer.

New Holland Services.



Finance tailored to your business

CNH Industrial Capital, the financial services company of New Holland, is well established and respected within the agricultural sector. Advice and finance packages tailored to your specific needs are available. With CNH Industrial Capital, you have the peace of mind that comes from dealing with a financing company that specialises in agriculture.



Trained to give you the best support

Your dedicated New Holland dealer technicians receive regular training updates. These are carried out both through on-line courses as well as intensive classroom sessions. This advanced approach ensures your dealer will always have the skills needed to look after the latest and most advanced New Holland products.



Service Plus – because your peace of mind is priceless

Service Plus programme provides owners of New Holland agricultural machinery with repair services covering your machinery over the Manufacturer's contractual Warranty. Maximum control over operating costs, repairs completed by authorized NH Dealers using NH genuine parts, higher re-sale value of your machine, transferable coverage. You can choose from three levels of coverage:



Silver Cover - Powertrain
Gold Cover - Extended
Platinum Cover - Full Repair

- The number of years of the cover: two, three, four or five years
- The number of hours of use (or number of bales for balers)
- Many other options to tailor the programme and meet your expectations

Please refer to your Dealer how to take out a Service Plus contract for your machinery



New Holland Agriculture T5 Electro Command range App

With this New Holland Agriculture new product App, you will be able to discover all the features, benefits and applications of this brand-new T5 Electro Command tractor range. Scan here to download the App.



New Holland Style

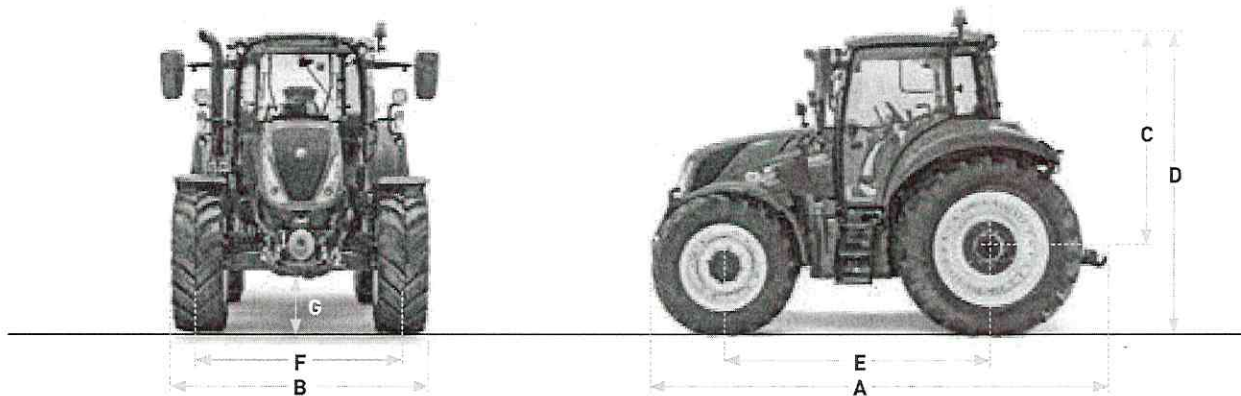
Want to make New Holland a part of your everyday life? Browse the comprehensive selection on www.newhollandstyle.com. A whole range of items are available including hard wearing work clothing and a vast selection of scale models, together with so much more. New Holland. As individual as you.

T5 Electro Command Models	T5.100	T5.110	T5.120
Engine*	F5C	F5C	F5C
No. of cylinders / Aspiration / Valves	4 / T / 4	4 / T / 4	4 / T / 4
Compliant with engine emissions regulations	Tier 4B / Stage 4	Tier 4B / Stage 4	Tier 4B / Stage 4
ECObLue™ Compact HI-eSCR system* (Selective Catalytic Reduction)	●	●	●
Fuel System - High Pressure Common Rail	●	●	●
Capacity (cm³)	3400	3400	3400
Bore and Stroke (mm)	99x110	99x110	99x110
Approved Biodiesel blend**	B7	B7	B7
Max. horsepower - ISO TR14396 - ECE R120 [kW/hp(CV)]	73/99	79/107	86/117
Rated horsepower - ISO TR14396 - ECE R120 [kW/hp(CV)]	73/99	79/107	86/117
Rated engine speed [rpm]	2300	2300	2300
Max. torque - ISO TR14396 (Nm)	430@1500rpm	468@1500rpm	491@1500rpm
Torque rise [%]	42	42	37
Engine Speed Management	●	●	●
Diesel tank capacity (Litres)	165	165	165
AdBlue tank capacity (Litres)	12	12	12
Service interval (hours)	600	600	600
Electro Command™ transmission [40kph ECO]	●	●	●
3 Speed shuttle aggressiveness settings	●	●	●
Powershuttle lever	●	●	●
Number of gears [FxR]	16x16	16x16	16x16
Minimum speed [kph]	2.27	2.27	2.27
IntelliShift™ System	●	●	●
Electro Command™ transmission [Optional Super Creeper [40kph ECO]]	○	○	○
3 Speed shuttle aggressiveness settings	●	●	●
Powershuttle lever	●	●	●
Number of gears [FxR]	32x32	32x32	32x32
Minimum speed [kph]	0.28	0.28	0.28
IntelliShift™ System	●	●	●
Electrical			
12 volt alternator Standard / Optional [Amps]	120 / 200	120 / 200	120 / 200
Standard battery capacity [CCA / Ah]	800 / 140	800 / 140	800 / 140
Axles			
4WD front axle	●	●	●
Terraglide™ front axle suspension	○	○	○
Steering angle [°]	55	55	55
Dynamic Front Fenders	○	○	○
Terralock™ functions (Auto Diff / Auto 4WD)	●	●	●
Turning radius (mm)	4960	4960	4960
Hydraulics			
Fixed Displacement	●	●	●
MegaFlow™ option main pump flow / pressure @ 2300 rpm [Lpm / Bar]	84 / 190	84 / 190	84 / 190
MegaFlow™ option services pump flow / pressure @ 2300 rpm [Lpm / Bar]	43 / 170	43 / 170	43 / 170
Electronic Draft Control (EDC)	●	●	●
Remote valves			
Type	Deluxe	Deluxe	Deluxe
Max. no. rear valves / diverter	3 / 1	3 / 1	3 / 1
Max. no. rear remote outlets	8	8	8
Max. no. mid mount valves (Mechanical and Electro Hydraulic)	2	2	2
Max. no. mid mount outlets	4	4	4
Mid mount joystick control (Mechanical and Electro Hydraulic)	○	○	○
Linkage			
Rear linkage category	2	2	2
Max. lift capacity at ball ends (kg)	5420	5420	5420
Max. lift capacity through the range (610 mm behind ball ends) (kg)	4730	4730	4730
Front linkage lift capacity at ball ends (through the range) (kg)	2250	2250	2250
Front Loader Ready	○	○	○
Integrated loader joystick	○	○	○
PTO			
Electro hydraulic PTO engagement	●	●	●
Soft Start PTO activation	●	●	●
Auto PTO management	○	○	○
Engine speed at:			
540 / 1000 [rpm]	1938 / 1926	1938 / 1926	1938 / 1926
540 / 540E / 1000 [rpm]	1938 / 1535 / 1926	1938 / 1535 / 1926	1938 / 1535 / 1926
540E / 1000 / 1000E	1535 / 1926 / 1486	1535 / 1926 / 1486	1535 / 1926 / 1486
Ground speed	○	○	○

T5 Electro Command Models		T5.100	T5.110	T5.120
Brakes				
Hydraulic Trailer Brakes		●	●	●
Optional Pneumatic Tractor Brakes		○	○	○
Cab				
Deluxe VisionView™ cab with FOPS - OECD Code 10 Level 1		●	●	●
Deluxe VisionView™ cab category level - EN 15695		2	2	2
4 Halogen lighting pack		●	●	●
8 LED lighting pack		○	○	○
High visibility roof hatch		●	●	●
Rear window wiper / washer		●	●	●
Standard mechanical suspension with seat belt		●	●	●
Deluxe air suspension seat with seat belt		○	○	○
Premium air suspension seat with seat belt		○	○	○
Instructor seat with seat belt		●	●	●
Tilting steering column		○	○	○
Air conditioning		●	●	●
Air Recirculation Filters		●	●	●
MP3 Bluetooth radio (hands free phone calls)		○	○	○
Telescopic mirrors with wide angle view		●	●	●
Comfort Ride™ cab suspension		○	○	○
Fender mounted external PTO & Linkage controls		○	○	○
Performance Monitor with enhanced key pad		○	○	○
Cab monitor mounting bracket		○	○	○
IntelliView™ III colour monitor		○	○	○
ISO 11783 connector		○	○	○
IntelliSteer® lite guidance system		○	○	○
My PLM® Connect telematics		○	○	○
ISOBUS Class II navigated		○	○	○
Optimum Deluxe VisionView™ cab noise level - 77/311EEC	(dB(A))		74	
Factory Fit Rotating Beacons (1 / 2)		○	○	○
Weights				
Minimum unballasted / shipping weights	(kg)	4550 / 5350	4550 / 5350	4550 / 5350
Max. permissible weight	(kg)	8000	8000	8000

● Standard ○ Optional – Not available

* Developed by FPT Industrial ** Biodiesel blend must fully comply with the latest fuel specification EN14214:2009 and operation is in accordance with operator manual guidelines



Dimensions

With rear tyres***		16.9R34	16.9R38
A Overall length inc. front support to rear linkage	(mm)	4161	4161
B Min. width	(mm)	1992	1992
C Height at centre of rear axle to top of cab	(mm)	1945	1945
D Min. overall height (with or without Comfort Ride™ cab suspension)	(mm)	2695	2745
E Wheelbase	(mm)	2380	2380
F Track width (min. / max.)	(mm)	1320 / 2246	1320 / 2246
G Ground clearance	(mm)	315 - 415	315 - 415

*** Rear tyres other than those mentioned are available: 600/65R34, 540/65R38, 540/65R34, 520/70R34, 480/70R38, 480/70R34, 460/85R34, 420/85R38, 420/85R34, 380/80R38, 340/85R38, 18.4R34, 14.9R38, 13.6R38

New Holland Top Service: customer support and customer information.



Top Availability

If you need information, or have an out of hours question, ring our toll-free number*. All day, every day, we are just a call away.



Top Speed

Express parts delivery: when you need it, where you need it!



Top Priority

Fast-track solution during the season: because your harvest can't wait!



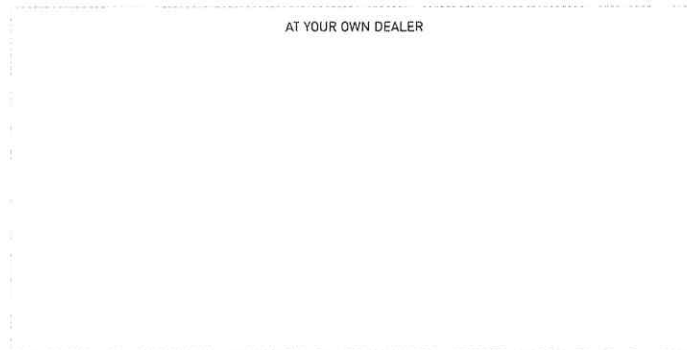
Top Satisfaction

We drive and track the solution you need, keeping you informed: until you are 100% satisfied!



For more details, ask your New Holland dealer!

* Calls to the Top Service team are free from landlines in the United Kingdom and Republic of Ireland. UK-based mobile calls are also free, but Republic of Ireland mobile users should call 01 2421881 and this will be charged at your standard network rate.



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New Holland prefers **AMBRA** lubricants