



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: 442628

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0211

Vendor ID:  

SO Doc ID: GSD1800000019

Legal Name: MIDDLETOWN TRACTOR SALES

Published Date: 4/19/18

Alias/DBA:

Close Date: 5/2/18

Total Bid: \$18,708.20

Close Time: 13:30

Response Date:  

Status: Closed

[Apply Default Values to Commodity Lines](#)[View Procurement Folder](#)



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 442628  
**Solicitation Description :** Grounds, Zero Turn Riding Lawn Mowers  
**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2018-05-02 13:30:00	SR 0211 ESR05021800000005006	1

<b>VENDOR</b>
000000202582 MIDDLETOWN TRACTOR SALES

**Solicitation Number:** CRFQ 0211 GSD1800000019

**Total Bid :** \$18,708.20      **Response Date:** 2018-05-02      **Response Time:** 11:49:11

**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Michelle L Childers  
 (304) 558-2063  
 michelle.l.childers@wv.gov

<b>Signature on File</b>	<b>FEIN #</b>	<b>DATE</b>
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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	Gravely Model 452 (400 Series) Zero Turn Riding Mower	2.00000	EA	\$9,354.100000	\$18,708.20

Comm Code	Manufacturer	Specification	Model #
21101701			

<b>Extended Description :</b>	Gravely Model 452 (400 Series) Zero Turn Riding Mower, or Equal
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**Comments:** Please refer to letter of exception.



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: 442628

Doc Description: Grounds, Zero Turn Riding Lawn Mowers

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-04-19	2018-05-02 13:30:00	CRFQ 0211 GSD1800000019	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:  
 Middletown Tractor Sales  
 2050 Boyers Drive  
 Fairmont WV 26554  
 304-366-4690

**FOR INFORMATION CONTACT THE BUYER**

Michelle L Childers  
 (304) 558-2063  
 michelle.l.childers@wv.gov

Signature X *Michelle L Childers* FEIN # 550547155 DATE 05/02/2018  
 All offers subject to all terms and conditions contained in this solicitation

**ADDITIONAL INFORMATION:**

## Request for Quotation

The West Virginia Purchasing Division is soliciting bids on behalf of General Services Division to establish a contract for the one time purchase of two (2) Zero Turn Riding Lawn Mowers.

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US	DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION GROUNDS SECTION - LOT/BLDG 98 321 MICHIGAN AVE CHARLESTON WV 25305 US

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Gravely Model 452 (400 Series) Zero Turn Riding Mower	2.00000	EA	\$9,354.10	\$18,708.20

Comm Code	Manufacturer	Specification	Model #
21101701	John Deere	Commercial Zero Turn Mower	Z950M

**Extended Description :**

Gravely Model 452 (400 Series) Zero Turn Riding Mower, or Equal

**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.

Middletown Tractor Sales

(Name, Title)

Tabatha Cronin Sales

(Printed Name and Title)

2050 Boyers Drive, Fairmont WV 26554

(Address)

304-366-4690/304-366-4698

(Phone Number) / (Fax Number)

Tmerrett@middletowntractor.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.

Middletown Tractor Sales

(Company)



Tabatha Cronin, Sales

(Authorized Signature) (Representative Name, Title)

Tabatha Cronin, Sales

(Printed Name and Title of Authorized Representative)

05/02/2018

(Date)

304-366-4690/304-366-4698

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM  
SOLICITATION NO.:

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 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.

Middletown Tractor Sales

Company



Authorized Signature

05/02/2018

Date

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



## 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 \$100,000 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.

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

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

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

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

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

West Virginia Ethics Commission  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

Contracting Business Entity: \_\_\_\_\_ Address: \_\_\_\_\_

Authorized Agent: \_\_\_\_\_ Address: \_\_\_\_\_

Contract Number: \_\_\_\_\_ Contract Description: \_\_\_\_\_

Governmental agency awarding contract: \_\_\_\_\_

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: Tabitha Cronin, Sales Date Signed: 5/2/18

**Notary Verification**

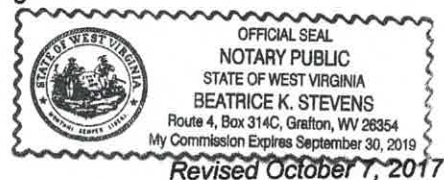
State of WV, County of Taylor:

I, TABITHA CRONIN, 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 02 day of May, 2018.

Beatrice K. Stevens  
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(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Middletown Tractor Sales

Authorized Signature: *Saleatha Cronin, Sales* Date: 05/02/2018

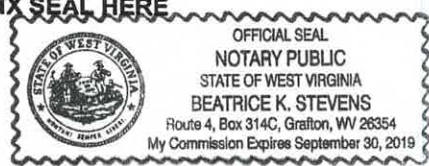
State of WV

County of Taylor, to-wit:

Taken, subscribed, and sworn to before me this 2 day of May, 2018.

My Commission expires 9-30-2019, 20    .

**AFFIX SEAL HERE**



NOTARY PUBLIC *Beatrice K. Stevens*

# 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.

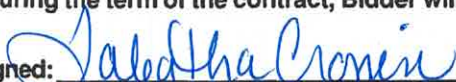
1. **Application is made for 2.5% vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; **or**,  
 Bidder is a partnership, association or corporation 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: Middletown Tractor Sales

Signed: 

Date: 05/02/2018

Title: Sales

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

## Letter of Exception

The John Deere Z950M meets all requirements except for the following:

**3.1.1.2** – Zero Turn Mower must have three (3) cast iron spindles with ball bearing and electric clutch deck engagement. ***The John Deere Z950M has aircraft grade ribbed cast aluminum.***

**3.1.1.8** – The fuel tank must be a minimum capacity of twelve (12) gallons. ***The John Deere Z950M has 11.5 gallons.***

**3.1.1.9** – The mower must have a ground speed range of 0-13 miles per hour in forward gear and 0-6 miles per hour in reverse gear. ***The John Deere Z950M forward range of 0-10 miles per hour and in reverse 0-4.5 miles per hour.***

**3.1.1.11** – The Zero Turn Mower must have a gauge engine protection system with hour meter, fuel gauge, temperature gauge, low oil warning light and high water temperature shut down. ***The John Deere Z950M has no temperature gauge just a warning light.***

**3.1.1.17** – The Zero Turn Mower must have a charging type automotive 40-amp alternator, minimum. ***The John Deere has a 15-amp alternator.***

Specifications:	2018 model year ZTrak™ Commercial Mowers											Rev. 28-Sep-2017
Manufacturer	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
MODEL	Z915E	Z920M	Z925M Flex Fuel	Z930M	Z945M EFI	Z950M	Z955M EFI	Z960M	Z930R	Z950R	Z970R	
Engine												
Manufacturer	---	---	---	---	---	---	---	---	---	---	---	---
Model Number	CV742	FX730V	FCV740	FX801V	ECV850 EFI	FX850V	ECV860J EFI	FX921V	FX801V	FX850V	FX1000V	
Horsepower (gross)	At 3600 rpm 25.0 hp, 18.6 kW	At 3600 rpm 23.5 hp, 17.5 kW	At 3600 rpm 25.0 hp, 18.6 kW	At 3600 rpm 25.5 hp, 19 kW	At 3600 rpm 27 hp, 20.1 kW	At 3600 rpm 27 hp, 20.1 kW	At 3600 rpm 29 hp, 21.6 kW	At 3600 RPM 31.0 hp, 23.1 kW	At 3600 rpm 25.5 hp, 19 kW	At 3600 rpm 27.0 hp, 20.1 kW	At 3600 RPM 35.0 hp, 26.1 kW	
Displacement	747 cc, 45.6cu in.	726 cc 44.3 cu in.	747 cc, 45.6 cu in.	852 cc, 52 cu in.	824 cc, 50.3 cu in.	852 cc, 52 cu in.	824 cc, 50.3 cu in.	999 cc, 61.0 cu in.	852 cc, 52 cu in.	852 cc, 52 cu in.	999 cc, 61.0 cu in.	
Cylinders	Two	Two	Two	Two	Two	Two	Two	Two	Two	Two	Two	
Crankcase Capacity	With filter 2.0 U.S. qt, 1.9 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.7 U.S. qt, 2.6 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.7 U.S. qt, 2.6 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.0 U.S. qt, 1.9 L	With filter 2.0 U.S. qt, 1.9 L	
Oil Filter	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	Full flow, replaceable	
Lubrication	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	Full pressure	
Cooling	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	Air	
Air Cleaner	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	Heavy-duty canister type with safety element	
Pre-Cleaner	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Fuel System												
Fuel Type	Gasoline	Gasoline	Gas or ethanol blends up to E85	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	Gasoline	
Fuel Consumption	Under normal conditions, load, operation, and dependent on loads and operating conditions 1.0-1.9 U.S. gal./hr, 3.8-7.2 L/hr											
Fuel Tank Capacity	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	11.5 U.S. gallons, 43.5 L	
Fuel Tank Switch/Shut Off Valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Electrical System												
Charge System	15 amp	20 amp	20 amp	20 amp	20 amp	20 amp	20 amp	20 amp	20 amp	20 amp	20 amp	
Battery Voltage	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	12 V	
Cold Cranking Amp	300 amp	300 amp	300 amp	300 amp	300 amp	300 amp	300 amp	300 amp	300 amp	300 amp	300 amp	
Hour Meter	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	Standard, digital	
Operator Presence Starting System	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (hand)	Brake-N-Go (foot)	Brake-N-Go (foot)	Brake-N-Go (foot)	
Drive Train												
Hydraulic Pumps	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	Tuff Torq heavy-duty integrated piston pump	

Specifications:	2018 model year ZTrak™ Commercial Mowers										Rev. 28-Sep-2017
Manufacturer	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
MODEL	Z915E	Z920M	Z925M Flex Fuel	Z930M	Z945M EFI	Z950M	Z955M EFI	Z960M	Z930R	Z950R	Z970R
Wheel Motors	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor	Tuff Torq heavy-duty integrated piston wheel motor
Travel Speed											
Forward	0 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 10 mph, 0-16.1 km/h	1 - 12 mph, 0-19.3 km/h	1 - 12 mph, 0-19.3 km/h	1 - 12 mph, 0-19.3 km/h
Reverse	0- 4.5 mph, 0-7.2 km/h	0- 4.5 mph, 0-7.2 km/h	0- 4.5 mph, 0-7.2 km/h	0- 4.5 mph, 0-7.2 km/h	0- 4.5 mph, 0-7.2 km/h	0- 4.5 mph, 0-7.2 km/h	0- 4.5 mph, 0-7.2 km/h	1 -4.5 mph, 7.2 km/h	1 -4.5 mph, 7.2 km/h	1 -4.5 mph, 7.2 km/h	1 -4.5 mph, 7.2 km/h
Speed and Direction Control	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers
Hydraulic Oil Cooler											
Hydraulic Capacity	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L	5.9 U.S. qt, 5.6 L
Filter	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable	Internal, replaceable

Specifications:	2018 model year ZTrak™ Commercial Mowers											Rev. 28-Sep-2017
Manufacturer	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
MODEL	Z915E	Z920M	Z925M Flex Fuel	Z930M	Z945M EFI	Z950M	Z955M EFI	Z960M	Z930R	Z950R	Z970R	
<b>Tires</b>												
Drive Tires	24x9.5-12 Turf (48 in.), 24x12-12 Turf (54, 60 in.)	24x9.5-12 Turf (48 in.), 24x12-12 Turf (54, 60 in.)	24x12-12 Turf (54, 60 in.)	24x12-12 Turf (54, 60 in.)	24x12-12 Turf (60 in.)	24x12-12 Turf (60, 72 in.)	24x12-12 Turf (60, 72 in.)	24x12-12 Turf (60, 72 in.)	24x12-12 Turf (54, 60 in.)	24x12-12 Turf (60, 72 in.)	24x12-12 Turf 72 in.	
Rear Tires												
Load Rating	4 PR	4 PR	4 PR	4 PR	4 PR	4 PR	4 PR	4 PR	4 PR	4 PR	4 PR	
<b>Brakes</b>												
Dynamic Braking	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	Twin levers	
Park Brake	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	Internal wet disk integrated in the transmisson	
Park Brake Actuation	Hand brake	Hand brake	Hand brake	Hand brake	Hand brake	Hand brake	Hand brake	Hand brake	Foot brake	Foot brake	Foot brake	
<b>PTO</b>												
Type	Electro-magnetic 200 lb-ft., 271 Nm	Electro-magnetic 200 lb-ft., 271 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	Electro-magnetic 225 lb-ft, 305 Nm	
Drive	V-belt	V-belt	V-belt	V-belt	V-belt	V-belt	V-belt	V-belt	V-belt	V-belt	V-belt	
<b>Mower Decks</b>												
Available Widths	48, 54, 60 in., 122, 137, 152 cm	48, 48 in. MOD, 54, 60 in., 122, 137, 152 cm	54 in., 54 in. MOD, 60 in., 137, 152 cm	54, 54 in. MOD, 60, 60 in. MOD, 137, 152 cm	60 in., 60 in MOD, 152 cm	60 in., 60 in MOD, 72 in., 152, 183 cm	60 in., 60 in MOD, 72 in., 152, 183 cm	60 in., 60 in MOD, 72 in., 152, 183 cm	54 in., 54 in MOD, 60 in., 137, 152 cm	60 in., 60 in MOD, 72 in., 152, 183 cm	60 in., 60 in MOD, 72 in., 152, 183 cm	
Deck construction	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	One-piece stamped steel w/reinforcements	
Deck thickness	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	7 gauge 0.180 in., 4.6 mm	
Height-of-Cut Range	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	1.0-5.5 in., 2.54-14 cm	
Increments	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	
Cutting Width	48, 54, 60 in., 122, 137, 152 cm	48, 54, 60 in., 122, 137, 152 cm	54, 60 in., 137, 152 cm	60, 72 in., 152, 183 cm	60 in., 152 cm	60, 72 in., 152, 183 cm	60, 72 in., 152, 183 cm	48, 54, 60 in., 122, 137, 152 cm	54, 60 in., 137, 152 cm	60, 72 in., 152, 183 cm	72 in., 183 cm	
<b>Blades</b>												
Length	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	Varies by deck size	
Thickness	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	0.25 in., 0.64 cm	



Specifications:	2018 model year ZTrak™ Commercial Mowers										
Manufacturer	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
MODEL	Z915E	Z920M	Z925M Flex Fuel	Z930M	Z945M EFI	Z950M	Z955M EFI	Z960M	Z930R	Z950R	Z970R
Tip Speed	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min	Approximately 18,000 fpm, 5,486 m/min
Number	Three	Three	Three	Three	Three	Three	Three	Three	Three	Three	Three
<b>Wheels</b>											
Caster Wheel Type	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
Caster Wheel Size	13x5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6	13x6.5-6
Front Anti-Scalp Rollers	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH	RH, center, LH
Rear Anti-Scalp Rollers	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

Specifications:	2018 model year ZTrak™ Commercial Mowers										
Manufacturer	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere	John Deere
MODEL	Z915E	Z920M	Z925M Flex Fuel	Z930M	Z945M EFI	Z950M	Z955M EFI	Z960M	Z930R	Z950R	Z970R
Dimensions											
Length	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm	84 in., 213 cm
Width	With chute down 62, 68, 74 in., 157, 173, 188 cm	With chute down 62, 68, 74 in., 157, 173, 188 cm	With chute down 68, 74 in., 173, 188 cm	With chute down 68, 74 in., 173, 188 cm	With chute down 74 in., 188 cm	With chute down 74, 86 in., 188, 218 cm	With chute down 74, 86 in., 188, 218 cm	With chute down 74, 86 in., 188, 218 cm	With chute down 68, 74 in., 173, 188 cm	With chute down 74, 86 in., 188, 218 cm	With chute down 74, 86 in., 188, 218 cm
Height	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm	With ROPS up 73 in., 185 cm; With ROPS down 47 in., 119 cm
Weight	1100-1178 lb, 499- 534 kg	1100-1178 lb, 499- 534 kg	1100-1178 lb, 499- 534 kg	1275-1365 lb, 578- 619 kg	1275-1350 lb, 578- 612 kg	1275-1365 lb, 578- 619 kg	1275-1365 lb, 578- 619 kg	1252-1340 lb, 568- 608 kg	1273-1310 lb, 577- 594 kg	1275-1365 lb, 578- 619 kg	1336-1345 lb, 606- 610 kg
<b>Notes</b>	<p>Product features are based on published information at the time of publication and are subject to change without notice. All trademarked terms, including John Deere, the leaping deer symbol and the colors green and yellow used herein are the property of Deere &amp; Company, unless otherwise noted. Availability of products, product features, and other content on this site may vary by model and geographic region.</p> <p>Engine horsepower and torque information for non-Deere engines are provided by the engine manufacturer for comparison purposes only. Actual operating horsepower and torque will be less. Refer to the engine manufacturer's Web site for additional information.</p>										