



Current Date 01Nov2018

## 310E ARTICULATED DUMP TRUCK

## COOLING:

Dual, fully variable, hydraulic fan drives  
Left side mounted radiator, charge air cooler, A/C condenser and fuel cooler  
Right side mounted, transmission and hydraulic coolers  
Optional Axle Coolers  
Integral engine oil cooler  
Remote pressurized coolant reservoir  
Antifreeze Protection to -34 Degrees F (-37 Degrees C)

John Deere COOL-GARD II long-life engine coolant  
Fan guard

## POWERTRAIN:

ZF ErgoPower L II 8EP320 fully-automatic countershaft powershift transmission, 8 Speeds  
Forward, 4 Reverse  
Lock-up torque converter  
Load based shift control  
Gear hold switch  
Automatic integral transmission input retarder with selectable aggressiveness  
Single-speed transfer case with interaxle differential lock  
Full Time 6 Wheel Drive  
Lockable, on the fly, clutch type differential locks  
Fully hydraulic wet disk service brakes  
Spring-applied, hydraulic-released, dry-disc park brake

## ELECTRICAL:

24 Volt  
80-amp alternator  
Solid-state electrical power distribution system

Axial-piston, variable-displacement pump  
Single-stage, dual acting, dump-body cylinders  
Electrohydraulic dump-body control  
Ground-driven, secondary-steering pump  
Brake Accumulator, CSA Certified

## OPERATOR'S STATION:

ROPS/FOPS Certified,  
Tilttable Cab  
Keyless Start/Stop  
Programmable dump-body control settings  
Sound Insulated  
Air Conditioner with Heater and Defroster  
AM/FM Radio/CD player and Speakers  
Rear window guard  
Washer/Wiper with Intermittent Control  
Tilt and telescopic steering wheel  
Fully-adjustable, air suspension, heated, high-back, cloth with leather inserts seat  
Retractable, 3-Inch, operator seat belt  
Fold-away instructor's seat with retractable seat belt  
12-volt power outlet  
Cup holders  
12-volt Cigarette Lighter  
Fold-Away outside rearview mirrors  
7" LCD Monitor:  
Optional Secondary Back-up Camera Monitor  
Speedometer  
Fuel gauge  
DEF gauge  
Transmission oil temperature gauge  
Engine coolant temperature gauge

Programmable Dump Body  
Rollover Protection  
On-Board Weighing Display

Multi-Language Capability  
Tire Pressure Monitoring System Warning  
Primary Backlit Sealed Switch Module Functions:  
Keyless Start/Stop  
Park Brake  
Transmission Controls  
Drive/Neutral/Reverse/Gear Select/Up-Shift/Down-Shift  
Transmission Gear Hold  
Retarder aggressiveness  
Interaxle differential lock control  
Automatic Dump-Body Control Settings  
Descent Control  
Secondary Backlit Sealed Switch Module Functions:  
A/C heater controls  
Rear wiper control  
Park Lights/Headlights  
Work Lights  
Stair Light  
Work Lights  
Hazard Lights  
Beacon  
Heated mirror  
Heated seat

## BODY:

Dump-body Safety Lock Bar  
Heavy-duty Ribbless Construction  
Dual-cylinder hydraulic dump  
Body Ducted to Accept Exhaust Heating Connections

## OTHER:

Engine-service platform  
Remote grease banks  
Articulation lock  
On Board Weighing System

Battery disconnect	Tachometer	with External Load Lights
Batteries, 2 x 950 CCA	LED function/warning	JD-Link Ultimate Wireless
Drive lights	indicators and audible	Communication System
LED Rear Turn Signals/ Brake Lights	alarm	with 3Yr Subscription
Electric Horn	Gear Indicator	Tire Pressure Monitoring
Reverse Alarm	Battery voltage	System
	Hour meter	Swing out coolers for
	Odometer	improved engine access
HYDRAULICS:	Trip counter	Front grill swings open for
Closed-center, electronic	Trip timer	easy service access
load-sensing system	Metric/English units	
	Service codes/diagnostics	

Required - *You must select one from each category*

▼ BASE MACHINE

F.O.B. Davenport, Iowa for Complete Machine.  
See DEALER-INSTALLED ATTACHMENT section for additional source notes.

Description	Code	Price
310E ARTICULATED DUMP TRUCK	9440DW	\$485,742.00

▼ ENGINE

Description	Code	Price
John Deere PowerTech meets EPA FT4 and EU Stage IV Emissions	0924	\$30,267.00
John Deere PowerTech PSS 13.5L With 354 Net Peak hp For use only in areas where EPA Final Tier 4/EU Stage IV is required. Required in the US. Turbo Charged, Charge Air Cooled Automatic Exhaust Filter Regeneration 4 Valves / Cylinder Wet Sleeve Cylinder Liners Starter Protection Electronically Controlled Fuel Delivery System Electrical Fuel Priming System Automatic Derating for Exceeded System Temperatures Under Hood Dual Element Air Cleaner with Restriction Indicator Curved Exhaust Stack 10-Micron 500 hour Spin-On Primary Fuel Filter/Water Separator 2-Micron 500 hour Spin-On Final Fuel Filter Inline Fuel Strainer Auto Tensioner Serpentine Belt		

▼ EXHAUST

Description	Code	Price
Engine Exhaust with Flat Black Curved Stack	1310	No Added Cost
Engine Exhaust with Chrome Curved Stack	1330	\$370.00

▼ ENGINE FAN

Description	Code	Price
Standard Fan Drive	1510	No Added Cost
Hydraulic Reversing Fan Drive	1520	\$1,442.00

FAST FILL FUEL SYSTEM			
Description	Code	Price	
Fast Fill Fuel System	5710	\$2,599.00	
No Fast Fill Fuel System	5720	No Added Cost	
BATTERY			
Description	Code	Price	
Batteries, 2 x 1400 CCA	1120	\$397.00	
VOLTAGE CONVERTER			
Description	Code	Price	
24 to 12 Volt Voltage Converter, 15 Amp Converter	2710	\$158.00	
24 to 12 Volt Voltage Converter, 25 Amp Converter	2720	\$270.00	
ON BOARD WEIGHING			
Description	Code	Price	
Less On Board Weighing	5530	No Added Cost	
On Board Weighing with Light Indicators	5550	\$2,040.00	

#### MACHINE CONNECTIVITY

Machine connectivity functions require cellular coverage. Usage of JDLink System requires customer's acceptance of the terms of the John Deere Telematics System Contract.

Option availability limited by specific geographical regions. Please refer to region specific price pages for appropriate ordering codes.

Description	Code	Price	
JDLink Ultimate Cellular - 5 Years	170C	No Added Cost	
Includes JDLink hardware: integrated cab wiring harness, antenna, 4G LTE modular telematics gateway (MTG), Wi-Fi data transfer, Blue Tooth capability and JDLink Ultimate activation.			
JDLink utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLink hardware to restore functionality.			
Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLink customer account must be created to access JDLink Ultimate data. Go to <a href="http://www.StellarSupport.com">www.StellarSupport.com</a> to renew or update JDLink subscriptions. Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at <a href="http://www.JohnDeere.com/Agreements">www.JohnDeere.com/Agreements</a> . If these terms and conditions are not agreeable do not proceed and do not use the service.			
JDLink Ultimate Satellite - 5 Years	170J	\$1,936.00	
Includes JDLink hardware: integrated cab wiring harness, antenna, 4G LTE modular telematics gateway (MTG), Wi-Fi data transfer, Blue Tooth capability and JDLink Ultimate activation.			

JDLink utilizes cellular and satellite technology infrastructure that is outside the control of John Deere. Changes to that infrastructure may require customers to purchase compatible JDLink hardware to restore functionality.

Includes 5 year subscription. Annual subscription renewal required after 5 years for continued functionality. JDLink customer account must be created to access JDLink Ultimate data. Go to [www.StellarSupport.com](http://www.StellarSupport.com) to renew or update JDLink subscriptions. Use of this service, and all rights and obligations of John Deere and the Customer (as identified in the applicable agreement), are governed by the terms and conditions outlined in the applicable Services and Software agreements available at [www.JohnDeere.com/Agreements](http://www.JohnDeere.com/Agreements). If these terms and conditions are not agreeable do not proceed and do not use the service.

▼ DUMP BODY			
Description	Code	Price	
Standard Dump Body	1910	No Added Cost	
Dump Body w/8 mm (5/16 in) Steel Liner	1915	\$8,265.00	
Less Dump Body	1920	(\$35,085.00)	
▼ DUMP BODY HEATER			
Description	Code	Price	
Dump Body Heater Exhaust Connections	2110	\$3,772.00	
Requires code 1910 or 1915 dump body.			
Less Dump Body Heater Connections	2120	No Added Cost	
▼ TAILGATE			
Description	Code	Price	
Mechanical/Automatic Tailgate	2210	\$12,885.00	
Requires code 1910 or 1915 Dump Body.			
Less Tailgate	2220	No Added Cost	
▼ OPERATOR'S MANUAL AND DECALS			
Required for labels and Trademarks			
Description	Code	Price	
English Decals and Operator's Manual	2350	No Added Cost	
French Decals and Operator's Manual	2352	No Added Cost	
Spanish Decals and Operator's Manual	2354	No Added Cost	
▼ MIRRORS			
Description	Code	Price	
Mirrors, Manual	2410	No Added Cost	
Mirrors, Remote Adjustable with Heating	2420	\$900.00	
▼ SEAT			

Operator Seats are fully adjustable with air suspension

Description	Code	Price
Operator's seat, heated, high-back, cloth/leather with fore/aft isolation	2520	No Added Cost
Operator's seat, heated, high-back, cloth/leather, no fore/aft isolation with extreme duty suspension	2530	\$157.00

▼ RADIO

Description	Code	Price
AM/FM radio/CD player	2610	No Added Cost
AM/FM radio/CD player and Bluetooth	2612	\$950.00

▼ AIR CONDITIONING SYSTEM

Description	Code	Price
Air Conditioner Refrigerant Charged	6110	No Added Cost

▼ REAR CAMERA

Description	Code	Price
Rear Camera with Secondary Monitor	2815	\$992.00

Secondary monitor will display rear camera display at all times.

Less Rear Camera	2820	(\$1,671.00)
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Rear Camera with Integrated Monitor	2810	No Added Cost
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When machine is in reverse, rear camera will display on main monitor.

▼ HVAC CONTROLS

Description	Code	Price
Manual Operator Station Temperature Control	3010	No Added Cost

▼ HVAC PRE-CLEANER

Description	Code	Price
HVAC Pre-cleaner	3210	\$500.00

No HVAC Pre-cleaner	3220	No Added Cost
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▼ WHEELS AND TIRES

If a No Brand Preference code is selected, a 9000 code in the Special Equipment - Order as Desired section will automatically be selected as well. This is required to enable the factory to source this order.

See DMAC Solution 108681 for additional tire option codes.

Description	Code	Price
<a href="#">23.5R25 Tires with 3 Piece Rims</a>		
Michelin E-3 Radial Tires	4511	\$19,880.00
Bridgestone E-3 Radial Tire	4517	\$17,232.00

Other Tire Options

750/65R25 Michelin XAD Low-Profile E-3 2 Star Radial Tires	4551	\$28,696.00
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Provides lower ground pressure and increased floatation, traction, stability, and tire life over standard 23.5R25 sized tires.

▼ MONITORING SYSTEM

Description	Code	Price
Tire Pressure Monitoring System	5310	\$3,214.00
Less Tire Pressure Monitoring System	5320	No Added Cost

▼ AXLE COOLING

Description	Code	Price
Axle Cooling	3310	\$6,965.00
Less Axle Cooling	3320	No Added Cost

Optional - *Select as desired*

▼ ETHER STARTING AID

Description	Code	Price
Ether Start Aid	9215	\$308.00

▼ COOLANT HEATER

Description	Code	Price
Engine Coolant Heater, 120V	9225	\$185.00

Not for use with diesel fuel fired coolant heater code AT418721.  
For use when average cold temperature is no lower than -25C (-13F).  
If average cold temperature is lower than -25C (-13F), order diesel fuel fired coolant heater AT418721.

Engine Block Coolant Heater, 240 Volt	9300	\$254.00
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Restricted for use in Russia.

Diesel Fired Coolant Heater	9221	\$4,533.00
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Not for use with engine coolant heater options 9225 or 9300.

▼ FUEL FILTRATION

Description	Code	Price
Severe Duty Fuel Filter	9250	\$350.00

Code 9250 or 9255 required for Engine code 0944.

Heated Severe Duty Fuel Filter	9255	\$455.00
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▼ WARNING BEACON

Description	Code	Price
Warning Beacon	9320	\$487.00

▼ LIGHTING

Description	Code	Price
(2) Additional Cab Front Work Lights - Halogen	9230	\$350.00

Cannot order with code 9232.

(2) Additional Cab Front Work Lights - LED	9232	\$1,497.00
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▼ OPERATOR'S MANUAL AND DECALS

Description	Code	Price
Operator manual and labels, Spanish, FT4 models	9280	No Added Cost

▼ WINDSHIELD WIPERS

Description	Code	Price
Rear Windshield Wiper	9327	\$478.00

▼ RUST PROTECTION

Description	Code	Price
Electrical Corrosion Protection Package	9211	\$987.00

▼ HYDRAULIC OIL

Description	Code	Price
Hydraulic Oil - Hydrau XR	9315	\$230.00

Optional Factory Fill.  
Intended for Colder Climates with Extreme Cold Ambient Temperatures down to -40C (-40F)  
Provides All-Season Capability in Ambient Temperature Ranging from -40C to 40C (-40F to 104F).  
Required for Russia.

Quick Service Bank for Transmission , Hydraulic, Engine oil & Engine Coolant Fluid changes	9045	\$505.00
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▼ FIRE EXTINGUISHER

Description	Code	Price
Fire Extinguisher - 5 lbs.	9140	\$110.00

▼ MISCELLANEOUS

Description	Code	Price
License Plate Bracket, Light and Mounting Hardware	9310	\$183.00

▼ ATTACHMENTS FOR FIELD CONVERSION

F.O.B. Dubuque, Iowa for dealer-installed kits, except where noted. Some of the following kits may require additional parts for a complete installation. Prior to ordering, check the installation instructions by going to [www.johndeereotechinfo.com](http://www.johndeereotechinfo.com) and clicking on Library, or by clicking on this Hyperlink ( [Installation Bulletin Search](#) ), and insert the AT number to retrieve the attachment installation instruction bulletin for additional parts. Exception to above note is FRONTIER Dealer Installed Kits.

All attachments are sold as a quantity of one.

Description	Code	Price
<a href="#">Cold Start</a>		

Diesel Fuel-Fired Engine Coolant Heater Kit for FT4 Engines	AT427188	\$4,533.00
For use when average cold temperatures are below -25C (-13F). Cannot be used in conjunction with Code 9225 Engine Coolant Heater, 110V. Dealer installed field kit only.		
Engine Block Heater, 240V (Stage II Engines)	AT427184	\$184.00
May be used with Diesel-Fired Coolant Heater.		
Ether Starting Aid for FT4 engines	AT426929	\$307.00
<u>Hydraulics</u>		
High-Altitude Hydraulic Kit	AT435710	\$606.00
For use at high altitudes to improve hydraulic performance by pressurizing the hydraulic tank. For use above 10,000 feet on 4WD Loaders. For use on Stage 2/Tier 3/iT4 4WD Loader Engines. No kit required for FT4 Loader Engines. For use above 6,000 feet on E-Series ADTs (Tier 3).		
<u>Miscellaneous</u>		
Grease Steering Bushing Kit	BYT10508	\$315.00
<u>Operator Environment</u>		
Cigarette Lighter	AT448829	\$40.00
HVAC PreCleaner	AT445689	\$500.00
Secondary Rear View Monitor Field Kit	BYT10243	\$1,200.00
Will display rear camera display at all times.		
WorkSafe BC Secondary Access Window	AT456170	\$840.00
Required for ADT in BC, Canada.		
<u>Overall Vehicle</u>		
Beacon Strobe kit	AT426730	\$285.00
Dump Body Heater Exhaust Connections for FT4 Engines	AT427213	\$4,490.00
JDLINK 4G LTE (MTG) Field Installed System	BYT10733	\$98.00
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Mechanical/Automatic Tailgate	BYT10745	\$14,003.00
On Board Weighing Kit	BYT10229	\$2,040.00
Quick Fluid Service Field Kit	AT430821	\$513.00
For use with FT4 engine.		



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<u>Powertrain</u>		
Axle Cooling Field Kit	AT440481	\$6,965.00
Fast Fuel System	AT439706	\$3,811.00
Severe-Duty Fuel Filter w/ Heater	AT427680	\$462.00
Severe-Duty Fuel Filter w/o Heater	AT427679	\$353.00

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