Sharon R. Mulder

From:
Sent:
To:
Cc:
Subject:

Jay D. Waegli Tuesday, May 22, 2018 11:41 AM Sharon R. Mulder Ron L. Bohaty; Leroy T. Geistlinger; Christina M. Kling Bid #18-114 Addendum 1

AWARD RECOMMENDATION (Single Vendor)

Lancaster County Engineering Department has reviewed the bid responses for Bid # 18-114 Addendum 1 and made the following determination:

Murphy Tractor & Equipment is the lowest responsible, responsive Bidder meeting all requirements as outlined in the bid documents and Ebid, therefore Lancaster County Engineering Department recommends that the full proposal be awarded to Murphy Tractor & Equipment in the amount of \$60,430.54

***Murphy Tractor and Equipment was not the lowest responsive bidder on Bid #18-114 Addendum 1, but after reviewing the Life cycle analysis work sheets, and having to complete the Life Cycle form twice from one of the lowest bidders, and after making an Addendum to have multiple bidders give the published estimated fuel rate for the Life Cycle analysis, which was never given as a published number, and to make sure the published Estimated fuel rate for one machine was correct, due to being much higher than other bidders, for the Life Cycle analysis. Lancaster County Engineering department recommends this piece of equipment (Compact track loader) that the John Deere model offered from Murphy Tractor & Equipment has the lowest total life cycle cost of \$20.34 compared to the next lowest bidder of \$25.20, also the estimated fuel use rate was 3.30 gallons for the John Deere compared to 5.20 gallons from the next lowest bidder. Also had one bidder that did present a lower cost unit and lower total life cycle cost but the unit did not meet required HP specification that was in the proposed specification from Lancaster County Engineering department.

Jay Waegli Equipment Mechanic's Supervisor Lancaster County Engineering Dept. 444 Cherrycreek Rd Lincoln, Ne 68528 402-441-6064-Direct Line 402-441-6321-Fax

Event Number	18-114 Addendum 1	Organization	Lincoln Purchasing
Event Title	Compact Track Loader for Lancaster County	Workgroup	Lincoln Purchasing
Event Description		Event Owner	Sharon Mulder
Event Type	Bid	Email	smulder@lincoln.ne.gov
Issue Date	4/20/2018 05:00:47 PM (CT)	Phone	(402) 441-7428 x
Close Date	5/4/2018 12:00:00 PM (CT)	Fax	(402) 441-6513 x

Responding Supplier	City	State	Response Submitted	Lines Responded	Response Total
Hamilton Equipment Co	Lincoln	NE	5/3/2018 09:31:40 AM (CT)	1	\$57,349.00
MURPHY TRACTOR & EQUIPME	El Lincoln	NE	5/3/2018 04:27:18 AM (CT)	1	\$60,430.54
KanEquip, Inc	Syracuse	NE	5/4/2018 10:56:38 AM (CT)	1	\$63,900.00
NMC, Inc (Nebraska Machinery	Lincoln	NE	5/4/2018 10:42:54 AM (CT)	1	\$74,650.00

Please note: Lines Responded and Response Total only includes responses to specification. No alternate response data is included.

City of Lincoln/Lancaster County (Lincoln Purchasing) Supplier Response

Bid Informatio	on	Contact Infe	ormation	Ship to Info	rmation
Bid Creator	Sharon Mulder Asst Purchasing Agent	Address	Purchasing 440 S. 8th St.	Address	Lancaster County Engineering
Email	smulder@lincoln.ne.gov		Lincoln, NE 68508		444 Cherrycreek Road,
Phone	(402) 441-7428 x	Contact	Sharon Mulder Asst		Bldg B
Fax	(402) 441-6513 x		Purchasing Agent		Lincoln, NE 68528
				Contact	
Bid Number	18-114 Addendum 1	Departmen	t		
Title	Compact Track Loader for	Building		Department	
	Lancaster County	- 5	Suite 200	Building	
	Engineering	Floor/Room	1	U	
Bid Type	Bid	Telephone	(402) 441-7428 x	Floor/Room	
Issue Date	4/20/2018 05:00 PM (CT)	Fax	(402) 441-6513 x	Telephone	(402) 441-6321 x
Close Date	5/4/2018 12:00:00 PM (CT)	Email	smulder@lincoln.ne.gov	Fax ['] Email	· · /

purchasing@lincoln.ne.gov

Supplier Information

Company Address	MURPHY TRACTOR & EQUIPMENT CO.INC. 6100 Arbor Road
	Lincoln, NE 68517
Contact	Tim Jindra
Department	
Building	
Floor/Room	
Telephone	(402) 467-1300
Fax	(402) 467-1927
Email	tjindra@murphytractor.com
Submitted	5/3/2018 04:27:17 AM (CT)
Total	\$60.430.54
	T /

By submitting your response, you certify that you are authorized to represent and bind your company.

Signature Kirk Bender

Email kbender@murphytractor.com

Supplier Notes

Deere machine is 87" from the ground to the top of the ROPS. Deere horn has only one note. Pricing is through NJPA. Thanks for the opportunity to bid.

Bid Notes

Bid Activities

Bid Messages

Bid Attributes

Please review the	e following a	and respond	where necessary

#	Name	Note	Response
1	Instructions to Bidders	I acknowledge reading and understanding the Instructions to Bidders.	Yes
2	Specifications	I acknowledge reading and understanding the specifications.	Yes
3	Purchase Order, Contract and Delivery Contact	The City/County Purchasing Department issues Purchase Orders and Contracts via email to a designated contact person of the awarded Vendor. This designee will be the primary contact with the department through the delivery of the product/services. Please list the name, email address and phone number of the person who will be the contact person for the PO to be awarded.	Kirk Bender, kbender@murphytractor.com, 402-467-1300
4	Delivery	State number of delivery days ARO. FOB to the City/County at the location specified with all transportation charges paid.	90 days
5	Contact	Name of person submitting this bid:	Kirk Bender
6	Lifecycle Costing	Please complete and attach both pages the Lifecycle Costing sheets to the Vendor's Response Attachment Section of the E-bid.	Yes
7	Tax Exempt Certification Forms	Materials being purchased in this bid are tax exempt and unit prices are reflected as such. A Purchasing Agent Appointment form and a Exempt Sales Certificate form shall be issued with contract documents. (Note: State Tax Law does not provide for sales tax exemption for proprietary functions for government, thereby excluding the purchases of pipes to be installed in water lines and purchase of water meters.)	Yes
8	Recycling of Corrugated Cardboard	I acknowledge that I must comply with the City of Lincoln recycling regulations which includes a ban of all corrugated cardboard from the City Landfill effective April 1, 2018. Vendors are encouraged to utilize recycling sites located throughout the city of Lincoln to dispose of corrugated cardboard.	Yes

9	U.S. Citizenship Attestation	Is your company legally considered an Individual or Sole Proprietor: YES or NO	No
		As a Vendor who is legally considered an Individual or a Sole Proprietor I hereby understand and agree to comply with the requirements of the United States Citizenship Attestation Form, available at: http://www.sos.ne.gov/business/notary/citizenforminfo.html	
		All awarded Vendors who are legally considered an Individual or a Sole Proprietor must complete the form and submit it with contract documents at time of execution.	
		If a Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the US Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.	
		Vendor further understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the Contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. 4-108.	
10	Warranty	I acknowledge and understand that I have attached the equipment warranty information in the Vendor's Response Attachment Section of the E-bid.	Warranty includes 12 months Full Machine
11	Electronic Signature	Please check here for your electronic signature.	Yes
12	Agreement to Addendum No. 1	Respondent hereby certifies that the change set forth in this addendum has been incorporated in their proposal and is part of their bid. Reason: See Bid Attachments section for Addendum information.	Yes

Line	e Ite	ms				
#	Qty	UOM Description		Response		
1	1	EA 2018 or 2019 Comp	act Track Loader	\$60,430.54		
	Mar	nufacturer: Bobcat, Caterpillar Man	ufacturer #: T750, 299D2			
	Iten	n Notes: Please attach a brochure to technical specifications.	o the Vendor's Response Attachment Section of the E	-bid, which shall include the		
	Sup	oplier Notes:				
	Item #	Attributes: Please review the following and Name	respond where necessary Note	Response		
	<u>"</u> 1	Manufacturer and Model	Please provide Manufacturer and Model bidding.	Deere 331G		
	2	Bucket Width	Does your bucket cover the entire width of the machine?	84" Width / Yes		
	3	Buckets	Additional Bucket, What is the price of the additional bucket not included in the bid line and include the manufacture and model. If additional bucket is a no charge, simply put N/C.	N/C, 2 Buckets are included		
	4	CD Manual Format	What is the price of a Manual in CD Format?	\$275 for Operators / Parts / Repair		
	5	Electronic Manual Format	What is the price of a Manual in an Electronic Format?	\$210 for Operators / Parts / Repair		
Alt 1	1 EA Alt Spec: Compact Track Loader w/ additional specs: 62,028.64 Deluxe Lighting, Air Suspension Cloth Seat w/ Heat, Reversing Fan, Rear View Camera, HD Grille					
	Alt I	Manufacturer: Deere Alt Manufactu	ırer #: 331G			
	Item Notes: Please attach a brochure to the Vendor's Response Attachment Section of the E-bid, which shall include the technical specifications.					
	Sup	oplier Notes:				
	Item #	Attributes: Please review the following and Name	respond where necessary Note	Response		
	<u>"</u> 1	Manufacturer and Model	Please provide Manufacturer and Model bidding.	Deere, 331G		
	2	Bucket Width	Does your bucket cover the entire width of the machine?	84" Width / Yes		
	3	Buckets	Additional Bucket, What is the price of the additional bucket not included in the bid line and include the manufacture and model. If additional bucket is a no charge, simply put N/C.	N/C, 2 Buckets are included		
	4	CD Manual Format	What is the price of a Manual in CD Format?	\$275 for Operators / Parts / Repair		

5 Electronic Manual Format

What is the price of a Manual in an Electronic Format? \$210 for Operators / Parts / Repair

Response Total:

\$60,430.54

4884 OF- Life Cycle Lancaster County Engineering

Compact Track Loader 2018

	Vendor Fills In Highlighted Boxes ONLY		
	Description		
Line#	County Engineering Data Use for Calculations		
1	Projected Number of Months in Service:		144
2	Projected Number of Hours of Operation per Month		40.0
3	Projected Total Number of Hours		5,760
4	Number of Maintenance Cycles Performed Per Year		2
5	Fuel Cost-per-Gallon		\$2.85
	Net Cost		
6	Bid Price (Listed on ITB Line # 1)	\$	60,430.54
	Operating Costs		
	Operating Costs		
	Fuel		
	Estimated Fuel Use Rate (Gallons Per Hour)		
9	"Rated RPM Full Load" or Highest Consumption Rate Tested and		3.30
	Documented Bidder shall supply manufacturers documentation prior to		
10	award.		
10	Projected Number of Hours		5,760
11	Projected Total Gallons (Line 9 x Line 10)		19008
12	Fuel Cost-per-Gallon (LP gas)		\$2.85
	(Current eia-U.S. Energy Information Administration)		
13	Total Estimated Fuel Cost (Line 11 x Line 12)	\$	54,172.80
	Estimated Maintenance Cost for Parts & Materials		
	(Labor not included)		
14	Total Maintenance Cost (from Maintenance Cost Worksheet)	\$	2,577.59
15	Total Operating Cost (Fuel + Maintenance)	ć	56,750.39
15	(Line 13 +Line 14)	\$	50,750.59
	Total Life-Cycle Cost		
16	(Net Cost, Line 8 +Total Operating Cost. Line 15)	\$	117,180.93
17	(Total Life-Cycle Cost divided by Total Hours) (Line 16/Line 3)	\$	20.34

Maintenance Cost Worksheet

For- Compact Track Loader 2018

ltem #	Total Maintanance Costs- Indicate parts necessary to perform a complete change If the machine requires two air filters, you must price both Subject to add or delte items for consideration	Number of Maint. Procedures Performed During Life Cycle of Unit	Vendor Supplied Manufacturer's Suggested Retail Price for Parts	Total	Cost
1	Fuel filter	12	\$ 35.35	\$	424.20
2	hyd filter	6	\$ 50.93	\$	305.58
3	Filter Cartridge	U	\$ -	\$	
4	Engine oil filter	12	\$ 18.43	\$	221.16
5	Fuel filter	12	\$ 28.69	\$	344.28
6	Filter cartridge		\$ -	\$	-
7	Air filter- Primary	12	\$ 35.52	\$	426.24
8	Air Filter- Secondary	2	\$ 20.76	\$	41.52
9	hyd filter		\$ -	\$	-
10	Hyd breather	12	\$ 4.63	\$	55.56
11	Filter hyd oil		\$ -	\$	-
12	Filter (not sure what type)		\$ -	\$	-
13	Filter (not sure what type)		\$ -	\$	-
14	Fuel Tank Breather	6	\$ 30.11	\$	180.66
15	DEF Dosing Filter	2	\$ 100.81	\$	201.62
16	DEF Suction	2	\$-	\$	-
17	Gasket	1	\$ 63.64	\$	63.64
18	DEF Breather	1	\$ 30.11	\$	30.11
19	Cab Fresh Air Filter	12	\$ 15.44	\$	185.28
20	Cab Recycle Air Filter	6	\$ 16.29	\$	97.74
21			\$ -	\$	-
22			\$ -	\$	-
23			\$ -	\$	-
24			\$ -	\$	-
25			\$-	\$	-
26			\$-	\$	-
27			\$-	\$	-
28			\$-	\$	-
29			\$-	\$	-
30			\$-	\$	-
	TotaL Life Cycle Maintenance Cost			\$	2,577.59

Date

G-SERIES COMPACT TRACK LOADERS





WORKING HARD SO YOU CAN

INTRODUCING THE JOHN DEERE "G-FORCE"

331G 🕡

0



K

0

1

YOUR INSPIRATION, OUR DEDICATION.

You run 'em, so why wouldn't we pick your brain about your expectations of a compact track loader (CTL)? As participants in our Customer Advocate Group, users like you stepped up and helped point the way for the G-Series. Challenged and inspired by your thoughts and ideas, we went to work on Generation Next. With more power under their hoods and noticeably more lift height, dump clearance, and reach, as well as 40-percent more breakout force than our previous models, the 331G and 333G are a big step up from their predecessors.

HEAD-TURNING PERFORMANCE SEE WHAT YOU CAN DO.

You're going to like what you see in these new "Gs". With noticeably amped-up specs and productivity-boosting enhancements, the 100-gross-hp 333G has what it takes to put you at the top of your game. With increased power, the 91-gross-hp 331G isn't exactly a pushover, either. Both deliver performance that'll really grab your attention — as well as your share of the work.

Beast mode

Superior pushing power and boom and bucket breakout forces deliver the tractive effort and leverage to carve out clay, power through piles, and handle heavy loads.

Superior stability

6.75-in.-longer track frames increase stability and balance. Optimized roller spacing helps level moves, for increased agility and enhanced operator comfort.

Fewer pit stops

9 9 331G

Fluid-efficient diesels and largecapacity tanks enable daylong operation, letting you do more between fill-ups.

DEERE

10,00,00,00,00

Machine intelligence

New productivity-boosting electrohydraulic (EH) options include return-to-dig, return-to-carry, attachment positioning, and boomup/down self-leveling. Push-button activated through the sealed-switch module, these settings help increase operator efficiency.

Speedsters

Two-speed drivetrain is standard, delivering fast travel speeds up to almost eight mph, for quick work cycles.

Generous FT4 power

Smooth-running turbocharged 3.1-L EPA Final Tier 4 (FT4)/EU Stage IV diesels meet rigid emission standards and pack plenty of power and torque reserve.

Hydraulic boost

Increased auxiliary hydraulic flow and power enable the G-Series to make the most of an even wider variety of attachments.

6.75-IN.-LONGER

CREDER BAR

9

DEERE



(L)





DO MORE WITH ONE REACH HIGHER WITH LESS EFFORT.

You said you wanted a CTL with even bigger abilities. We heard you. The 331G and 333G's refined vertical-lift loader design rises higher and reaches farther, for quicker and easier loading. Serves up substantially greater boom breakout force, too. In fact, these large frames have more horsepower than some small backhoes or crawlers, so you accomplish more with just one CTL. They also work more comfortably in tight quarters, and they're easy to trailer. Now, who says you can't always get what you want?

Power lifter

Increased rated capacities of up to 3,700 lb. give these machines the muscle you need to tote heavy loads.

Load warrior

Height to hinge pin is 11 ft., enabling these CTLs to easily load tandem-axle dump trucks, feed mixers, and fill hoppers. You'll also appreciate the additional six in. of truck-bed-height reach when handling pallets of pavers or other heavy materials.

Carry more, spill less

Boom design keeps the load close to the machine for better stability. Low center of gravity, 35-deg. bucket rollback, and optional ride control/ self-leveling also help keep buckets heaped and forks fully loaded.

Dig in

Breakout force has been increased a whopping 40 percent over our previous models, to make lifting heavy loads easier. Helps heap the bucket and keep big loads coming, too. Add the new 90-in. bucket (available only for the 333G) and watch productivity soar.



ROOM WITH A VIEW EASY TO SEE, EFFICIENT TO OPERATE.

Large entryway, tightly sealed swing-out door, and generous foot- and legroom make it easy to get in, get comfortable, and get things done. Clear sightlines to the bucket corners, the edge of the tracks, and the jobsite ahead and behind instill close-quarters confidence and capability. And convenient, easy-to-operate controls make the most of an operator's skill, for a more productive day.

Your controls, your way

Add the three-way switchable controls and electrohydraulic (EH) joystick performance package for even more operating flexibility. Push-buttom selectable through the sealed-switch module (SSM), this feature enables the following:

- -Three-way switchable controls between EH foot, ISO joystick, or H-pattern joystick modes. Includes switchable accelerator/decelerator with right-side foot pedal when operating in ISO or H-pattern joystick-control mode.
- –EH joystick performance package featuring selectable propel speeds, creeper mode, boom- and bucketspeed settings, and 12-volt three- and 14-pin attachment-control harness.

Heads-up operation

Overhead panel conveniently places machine info on the left, control switches to the right. Easy-to-read LCD monitor provides a wealth of info and control — including vital operating conditions and advanced diagnostics.

See even more

Sightlines to the sides and below the boom to the ground and tracks have been improved. Visibility gets even better when you add an optional rearview camera that displays the action behind on an upfront monitor.

Lighten up

Courtesy lighting stays on after machine shutdown and then automatically turns itself off, for safe cab exits after hours and conservation of battery power. Optional LED lighting package provides all-around illumination. It's a "must have" for after-dark tasks such as snow removal. Or whenever you needto extend your day.

Push-button convenience

Optional SSM controls amenities such as keyless start and anti-theft settings, plus fingertip activation of numerous machine functions including optional ride control and bucket-up selfleveling. SSM intelligently stores up to five different operator codes and sets of preferences, including boom/ bucket and propel speeds, creep modes, and control patterns.

Safety first

Like on all John Deere machines, personal-protection features abound. In-cab-activated boom lock and triple-interlock operator-presence system help keep harm's way from hijacking your day. Standard rearview mirror, horn, and backup alarm further enhance the safety of bystanders.

Four-season comfort

Add a heated suspension seat to the heated and air-conditioned pressurized cab for productivityenhancing year-round comfort.









1

う

TOUGH ENOUGH UPTIME YOU CAN BANK ON.

DEERE

) 331C

Like all John Deere machines, the G-Series is loaded with time- and money-saving features. Uptime advantages such as rugged job-proven Yanmar engines, sealed electrical connectors, O-ring face-seal hydraulic fittings, and large coolers all help keep downtime down. Plus, a standard automatic-shutdown system prevents overheating or low fluids from ruining more than just your day. When you know how they're built, you'll run a Deere.









Cool idea

Unique Tri-Cool design resists debris buildup and employs large coolers for superior performance in severe, highload conditions. Add a reversible fan for quick core cleanout in high-debris applications.

Durable drive motors

Heavy-duty double planetary gearreduction drive motors are completely sealed, with all moving parts bathed in lubricating oil, for extended service intervals and longer wear life.

Beefed-up track components

Track is longer, and rollers and idlers wider, to increase contact area. Plus, spacing has been optimized to help maximize track life.

Big biceps

Large cross-section boom arms and heavy-duty upper links provide stamina and strength, for long-term endurance.

Anti-leak fittings

O-ring face-seal hydraulic fittings help eliminate aggravating and costly oil leaks.

In-boom hydraulics

Auxiliary hydraulic lines and wiring are routed through the boom where they're protected from damage.

Give yourself a break

Spring-applied hydraulically released wet-disc park brake is maintenance free.

Sealed switches and connectors

Switches and electrical connectors are sealed from moisture and debris, to help resist corrosion.

VORKOUR CONNECTIONS

BE ALL THINGS TO ALL PEOPLE.

If you're looking for a way to help build your business, Worksite Pro[™] attachments are a great place to start. With more than 100 models, these specialized and general-purpose additions enable you to broaden your abilities, work smarter, and accomplish even more.



Bucket choices abound

Choose from rock, multipurpose, construction, utility, and tooth buckets in varying widths and capacities. Extreme-duty 90-in. tooth, serrated, or smooth-edge bucket lets you make the most of every cycle.



Grab and go

Brush, scrap, and utility grapples employ two hydraulic-actuated dual-action tongs for superior retention of a wide variety of materials.

Snow business

Equipped with optional zig-zag-style tracks and a snow blower, snow pusher, utility blade, or angle broom, G-Series machines make quick work of cleaning up whatever winter drops your way.

Streetwise

Perfect for concrete or asphalt flatwork, our angle brooms, vibratory rollers, cold planers, hydraulic hammers, and wide variety of buckets let you hit the ground running.

Landscape tools

Landscape and nursery options include tree forks, rotary tillers, planetary augers, pallet forks, power rakes, landplanes, dozer blades, and roller levels, to list just a few.

Farm hands

For handling hay, cleaning pens, rebedding stalls, or numerous other agricultural chores — we've got the utility grapples, material/ manure scrapers, pallet forks, bale spears, and buckets to get it done.

WE SWEAT THE DETAILS SO YOU DON'T HAVE TO.

Full-tilt service

Tilt up the hood for convenient ground-level access to dipsticks, fuel- and fluid-filler necks, and filters. For wide-open drivetrain access, the operator's station swings up and out of the way in less than five minutes.

Simplified checks

Color-coded handles and caps on conveniently positioned dipsticks and filler necks simplify checks and additions. Handy access eases refills of both fuel and diesel exhaust fluid (DEF) tanks. See-through reservoirs and sight gauges reveal hydraulic oil and windshield washer fluid levels at a glance.

Convenient cooler cleanout

Hinged hood and easy-to-remove side shields yield wide-open access to coolers, simplifying trash removal and core cleanout. Fan option can be set to automatically reverse to clear core-clogging buildup.

Quick changes

Spin-on remote-mounted fuel filter allows quick no-mess changes. Extended service intervals reduce downtime for scheduled maintenance.

Easy interior cleanout

If you're a neat freak or run a rental yard, you'll appreciate these convenience features. Just remove two plates to flush out the footwells. Cab side windows also remove easily for cleaning.

Keep downtime down with **ULTIMATE UPTIME**

Ultimate Uptime, featuring John Deere WorkSight[™], is a customizable support solution available exclusively from your Deere dealer. This flexible offering maximizes equipment availability with standard John Deere WorkSight capabilities that can help prevent future downtime and speed repairs when needed. In addition to the base John Deere WorkSight features, our dealers work with you to build an uptime package that meets the specific needs of your machine, fleet, project, and business, including customized maintenance and repair agreements, onsite parts availability, extended warranties, fluid sampling, response-time quarantees, and more.

L

Get valuable insight with JOHN DEERE WORKSIGHT

John Deere WorkSight is an exclusive suite of telematics solutions that increases uptime while lowering operating costs. At its heart, JDLink[™] Ultimate machine monitoring provides real-time data and health prognostics to suggest maintenance solutions that decrease costly downtime. Remote diagnostics enable your dealer to read codes and record performance data without a trip to the jobsite.



BEIG / BEEG SPECIFICATIONS

Engine	331G	333G	
Manufacturer and Model	Yanmar 4TNV94FHT	Yanmar 4TNV94FHT	
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	EPA Final Tier 4/EU Stage IV	
Cylinders	4	4	
Net Peak Power (SAE J1349 / ISO 9249)	66.0 kW (88.5 hp) at 2,500 rpm	72.0 kW (96.6 hp) at 2,500 rpm	
Gross Rated Power (ISO 14396)	68.0 kW (91.2 hp) at 2,500 rpm	74.6 kW (100 hp) at 2,500 rpm	
Peak Torque	382 Nm (281.8 ftlb.) at 1,700 rpm	395 Nm (291.3 ftlb.) at 1,700 rpm	
Displacement	3.1 L (186.3 cu. in.)	3.1 L (186.3 cu. in.)	
Rated Engine Speed	2,500 rpm	2,500 rpm	
Torque Rise	47% at 1,700 rpm	39% at 1,700 rpm	
Aspiration	Turbocharged, intercooled	Turbocharged, intercooled	
Air Cleaner	Dry dual element	Dry dual element	
Cooling	331G / 333G	,	
Fan Type	Variable-speed hydraulic drive standard / reversing f	fan drive optional	
Powertrain	331G	333G	
Pump	Axial-piston hydrostatic	Axial-piston hydrostatic	
Controls	Electrohydraulic	Electrohydraulic	
Travel Speeds	, j		
Low	8.5 km/h (5.3 mph)	8.5 km/h (5.3 mph)	
High	12.6 km/h (7.8 mph)	12.6 km/h (7.8 mph)	
Brakes	Integral, automatic, spring-applied, hydraulically rel	· · · · · · · · · · · · · · · · · · ·	
Undercarriage	integral, automatic, spring applied, nyaraaneany rei		
Rubber Tracks	New-Generation smooth-ride long-life rubber with	steel inserts	
Track Width	new deneration smooth had long me russer with		
Standard	400 mm (15.8 in.)	450 mm (17.7 in.)	
Optional	450 mm (17.7 in.)	400 mm (15.8 in.)	
Ground Pressure			
400-mm (15.8 in.) Track (standard on 331G /	38.1 kPa (5.5 psi)	38.4 kPa (5.6 psi)	
optional on 333G)		50.4 ki a (5.0 psi)	
450-mm (17.7 in.) Track (optional on 331G /	33.9 kPa (4.9 psi)	34.1 kPa (5.0 psi)	
standard on 333G)	55.5 Ki û (1.5 p3)	5 1.1 Ki u (5.6 p3)	
Track Rollers (per side)	5 triple-flange smooth-ride all-steel rollers	5 triple-flange smooth-ride all-steel rollers	
Track Idlers (per side)	2 double-flange smooth-ride all-steel rollers	2 double-flange smooth-ride all-steel rollers	
Bearings/Seals (rollers/idlers)	Heavy-duty journal bearings and metal face seals	Heavy-duty journal bearings and metal face seals	
Tractive Effort	5221 kgf (11,500 lbf)	5221 kgf (11,500 lbf)	
Hydraulics	5221 kgi (11,500 lbi)		
Pump Flow			
Standard	80 L/m (23.5 gpm)	95 L/m (25.0 gpm)	
Total with High-Flow Option	138 L/m (36.5 gpm)	156 L/m (41.1 gpm)	
System Pressure at Couplers	23 787 kPa (3,450 psi)	23 787 kPa (3,450 psi)	
Hydraulic Horsepower Flow (calculated)			
Standard	35 kW (47 hp)	38 kW (50 hp)	
High C Backers	55 kW (74 hp)	62 kW (83 hp)	
Cylinders	331G / 333G		
Туре	John Deere heat-treated, chrome-plated, polished c pivot pins	ylinder rods, hardened steel (replaceable bushings)	
Electrical			
Voltage	12 volt		
Battery Capacity	925 CCA		
, , , , , , , , , , , , , , , , , , ,			
Alternator Rating Lights	90 amp Halogen: 2 front and 1 rear standard / deluxe LED: 4		

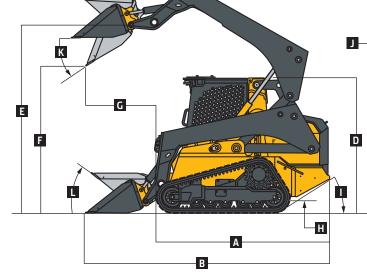
ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick-pivot standard

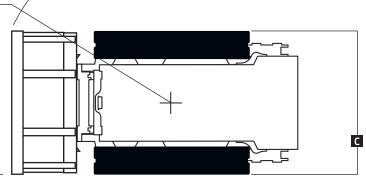
BEIG / EEEG SPECIFICATIONS



Serviceability	331G / 333G	
Refill Capacity		
Fuel Tank	114 L (30 gal.)	
Operating Weight	331G	333G
With Standard 400-mm (15.8 in.) Track	5403 kg (11,900 lb.)	_
With Standard 450-mm (17.7 in.) Track	—	5493 kg (12,100 lb.)
Machine Dimensions	331G / 333G	
A Length without Bucket	3.10 m (122 in.) (10 ft. 2 in.)	
B Length		
With Foundry Bucket	3.71 m (146 in.) (12 ft. 2 in.)	
With Heavy-Duty Construction Bucket	3.96 m (155.9 in.) (13 ft. 0 in.)	
C Width without Bucket		
With 400-mm (15.8 in.) Track	2.00 m (78.9 in.) (6 ft. 7 in.)	
With 450-mm (17.7 in.) Track	2.05 m (80.7 in.) (6 ft. 9 in.)	
D Height to Top of ROPS	2.20 m (86.7 in.) (7 ft. 3 in.)	
E Height to Hinge Pin	3.35 m (132 in.) (11 ft. 0 in.)	
F Dump Height		
With Foundry Bucket	2.69 m (106.1 in.) (8 ft. 10 in.)	
With Heavy-Duty Construction Bucket	2.50 m (98.6 in.) (8 ft. 3 in.)	
G Dump Reach		
With Foundry Bucket	0.71 m (28 in.)	
With Construction Bucket	0.88 m (34.6 in.)	
H Ground Clearance	0.24 m (9.4 in.)	
I Angle of Departure	31 deg.	
J Front Turn Radius with Foundry Bucket	2.18 m (85.7 in.) (7 ft. 2 in.)	
K Dump Angle (full lift height)	48 deg.	
L Bucket Rollback (ground level) 35 deg.		

331G / 333G COMPACT TRACK LOADERS





Loader Performance	331G	333G
Tipping Load	4021 kg (8,857 lb.)	4799 kg (10,570 lb.)
SAE Rated Operating Capacity at 35% Tipping Load	1407 kg (3,100 lb.)	1680 kg (3,700 lb.)
Breakout Force		
With Heavy-Duty Construction Bucket		
Boom	2724 kg (6,000 lb.)	3519 kg (7,750 lb.)
Bucket	3450 kg (7,600 lb.)	4200 kg (9,250 lb.)
With Foundry Bucket		
Boom	3175 kg (7,000 lb.)	3865 kg (8,520 lb.)
Bucket	4241 kg (9,350 lb.)	6307 kg (13,904 lb.)

Additional equipment

331G	333G	
•	•	Meets EPA Final Tier 4/EU Stage IV emissions
		Yanmar 4TNV94FHT
		Auto-idle
		Automatic fan tensioner
		Automatic preheat
		Electronic injection system
		Engine air precleaner kit
•	•	Fuel tank, 114 L (30 gal.)
٠	•	John Deere COOL-GARD™ II Extended-Life Engine Coolant
		John Deere Plus-50™ 10w30 initial engine oil fill*
•		4-cylinder 68.0-kW (91.2 hp) 3.1-L (186.3 cu. in.)
		displacement
		4-cylinder 74.6-kW (100 hp) 3.1-L (186.3 cu. in.)
		displacement
		5-micron primary fuel filter and water separator
		Cold-weather starting package
		Cooling System
		Coolant surge tank
		Variable-speed hydraulically driven fan cooling system
		Reversing fan drive
		Powertrain
		High-torque heavy-duty planetary-reduction final drive
•	•	Automatic spring-applied hydraulically released wet-disc park brake
	•	Wet-disc brakes
-		Transmission, 2 speed

Key: ● Standard ▲ Optional or special See your John Deere dealer for further information.

331G	333G	Hydraulic System
•	•	John Deere hydraulic cylinders with cushioned boom cylinders
•	•	John Deere heat-treated, chrome-plated cylinder rods with replaceable bushings
		Connect-under-pressure auxiliary couplers
		Quick-check hydraulic fluid-level sight glass
		1,000-hour, 5-micron hydraulic filter
		High-flow hydraulics
		Axial-piston hydrostatic pump
		Electrical
		Automatic engine/hydraulic shutdown protection system
		Auxiliary hydraulics operator-presence system
		Courtesy lighting
•	•	Deluxe instrumentation EMU with: Operator-selectable
		monitoring – Hour meter, engine rpm, battery voltage, diagnostics, EMU configuration, engine coolant temper- ature, hydraulic oil temperature / LED warning indicators – Glow plug, seat switch, seat belt, door open, auxiliary hydraulics, park brake engaged, 2-speed engaged, stop, low engine oil pressure, engine coolant over-temperature, battery not charging, air filter restriction, and hydraulic filter restriction
		Deluxe LED lighting package with additional cab-inte- grated side lights (2)
		Front and rear halogen work lights
		Triple-interlock operator-presence control system
	•	Backup alarm
•		Battery, 925 CCA
	•	Horn
		Hazard warning lights
		Strobe light, amber

*500-hour engine oil-change intervals when John Deere Plus-50 oil and John Deere oil filter are used.

Additional equipment (continued)

Key: ● Standard ▲ Optional or special See your Jo

See your John Deere dealer for further information.

331G	333G	Operator's Station
		Deluxe cab headliner
		Electrohydraulic (EH) ISO-pattern joystick controls
•	•	EH 3-way switchable ISO-H-foot and hand controls including joystick performance package: Switchable accelerator/decelerator, selectable propel speeds, creeper mode, boom- and bucket-speed settings, and 12-volt 3- and 14-pin attachment-control harness
		EH ISO-H switchable controls and joystick performance package: Switchable accelerator/decelerator, selectable propel speeds, creeper mode, boom- and bucket-speed settings, and 12-volt 3- and 14-pin attachment-control harness
٠	٠	Keyless-start sealed-switch module with integrated anti- theft system and operator memory preference settings
		Electronic push-button auxiliary controls
	•	Pull-down adjustable lap bar
		Quick-pivot ROPS
٠	•	Rear window
		Removable top window
		Sliding/locking/removable glass side windows
		ROPS/FOPS operator structure
		Glass cab enclosure
		Seat belt, 51 mm (2 in.), retractable
		Shoulder belt, 51 mm (2 in.) or 76 mm (3 in.)
		Severe-duty cab door and wiper system
	•	Water-shedding deluxe vinyl suspension seat
		Air-ride cloth, heated seat
		Air-ride vinyl seat

331G 333G	Operator's Station (continued)
• •	12-volt power port / Dome light / Cargo storage /
	Beverage holder
	Air conditioning with heater/defroster
	AM/FM/Weather-Band (WB) radio with auxiliary input and Bluetooth® for audio streaming
	Floor mat with left footrest
	Rearview mirror
	Rearview camera
	loader
• •	In-cab boom lockout to secure loader before exiting seat
• •	Patented John Deere Quik-Tatch [™] (no grease required)
	Power Quik-Tatch
• •	Patented John Deere vertical-lift boom
	Hydraulic self-leveling on/off and ride control
	Other
• •	Convenient front and rear tie-downs
• •	Environmental drains for all fluid reservoirs
	Battery disconnect
	Chrome exhaust stack
	Engine oil/hydraulic fluid-sampling kit
	Forestry protection packages
	Heavy-duty rear grille
	Rear counterweights (available in sets of 1, 2, or 3), 78 kg (172 lb.) (each set)
	Single-point lift kit
	SMV sign kit
	Track, 400-mm (15.8 in.) wide
	Track, 450-mm (17.7 in.) wide
	JDLink [™] Ultimate wireless communication system (avail- able in specific countries; see your dealer for details)



NO TWO JOBS ARE THE SAME. And only the most versatile and dependable equipment can keep you moving forward every day. John Deere G-Series Compact Track Loaders are purpose-built with your exact needs in mind. So whether you're moving pallets or hauling rock — or anything in between — you can count on your G-Series machine to be exactly what you need it to be.



JohnDeere.com/LiftLarge

CWP Extended Coverage





JohnDeere.com

Building peace of mind

Every John Deere machine comes with a certain level of comfort. Sure, there's the comfortable seat and the ergonomically designed operator station, but that's not what we're talking about. This kind of comfort runs deeper. It's the peace of mind you get with your Standard and Extended Coverage warranties.



Standard warranty promises that we'll fix defects in materials or workmanship on Commercial Worksite Products (CWP) for the first 12 months after delivery at no charge.

But these days, many machine owners want even more protection. Extended Coverage is an excellent way to protect your cash flow.

Extended Coverage is an additional manufacturer-backed warranty program. Here are some reasons why it makes good business sense:

- It's backed by the John Deere Construction & Forestry Company — and honored by all John Deere CWP dealers.
- It goes where you go. A machine backed by Extended Coverage can be taken to any North American John Deere CWP dealer for service.
- There is no deductible during the Standard warranty and only a low \$200 deductible on non-powertrain repairs with full Extended Coverage.
- Extended Coverage can be transferred when you sell or trade your machine.*
- Financing is available through John Deere Finance programs.

*Some restrictions apply.

Here's why it pays to extend your coverage

Extended Coverage provides additional protection that shields you from risk and stress. It's a valuable management tool because it gives you fixed costs for machine repairs over a given period of time.

326F

DEERF



Owner responsibility

All you have to do is perform scheduled maintenance, as outlined in the Operator's Manual and Extended Coverage warranty contract, and keep accurate maintenance records — something you do already.

Expanded range of coverage for new equipment

Extended Coverage lets you choose the coverage that fits your needs. Want full, powertrain plus hydraulics, powertrain, or just engine coverage? Need 2,000 hours of coverage, or would 3,000, 4,000, or 5,000 make more sense for the work you do? Or do you prefer your coverage in years? You decide.

Items not covered by Extended Coverage warranty:

- Ground-engaging tools such as cutting edges and bucket teeth.
- Hydraulic hoses, lines, and fittings.
- Maintenance items and consumables such as oil, filters, diesel exhaust fluid (DEF), and fuel.
- Hydraulic pressure checks and adjustments.
- Wear items such as tires and rubber tracks.*
- Miscellaneous items such as batteries, bulbs, and radios.*

£1

DEERE

- Hauling expenses, travel time, mileage, overtime, or second-shift premiums.
- Worksite Pro™ attachments.
 *Batteries, tires, and radios

come with a Direct Supplier worranty that covers failure due to defective material and workmanship.

Choose one of these four options:

 Engine Only; 2) Powertrain; 3) Powertrain Plus Hydraulics; 4) Full Machine. Coverage ends when date or hour limit expires, whichever occurs first.

(Items in brown indicote coverage odded to preceding option.)

Engine-Only Coverage

ENGINE:

Engine and all components Cylinder head and gasket FCU Electronic engine-speed-control system Engine block Engine oil cooler and aftercooler Flywheel housing and gasket Front and rear engine seals Front damper Hydraulic actuator Injection nozzles Injection pump and gasket Manifolds and gaskets Oil pan and gasket Pressure/temperature sensors and sending units Ring gear and flywheel Rocker arm cover and gasket Thermostats Timing gear cover Turbocharger and gaskets Water pump and gasket

Powertrain Coverage

ENGINE:

Engine and all components Cylinder head and gasket FCU Electronic engine-speed-control system Engine block Engine oil cooler and aftercooler Flywheel housing and gasket Front and rear engine seals Front damper Hydraulic actuator Injection nozzles Injection pump and gasket Manifolds and gaskets Oil pan and gasket Pressure/temperature sensors and sending units Ring gear and flywheel Rocker arm cover and gasket Thermostats Timing gear cover Turbocharger and gaskets Water pump and gasket Engine speed controls and linkages — excavators

(continued on next poge)

Powertrain Coverage

(continued)

TRANSMISSION/DIFFERENTIAL: Axle(s) and differential(s) Clutch housing (except dry clutch disk) Driveshaft with universal joints Electronic and/or hydraulic control valves Excavator rotary manifold **Final drive** Hydrostatic system components including: Propel motor, hydrostatic/ hydraulic pump, and related control valves powering propel and/or swing function (not dig function) Mechanical-front-wheel-drive differential/axle assembly with driveshaft, universal joint, and control Pump and valve controller Reverser with control valve Splitter drive Swing gearbox and bearings Swing motor and brake Torque converter Transfer drive Transmission **ELECTRICAL:** Sensors — rotary

BRAKES: Wet service brakes Wet steering brakes and clutches

Powertrain Plus Hydraulics Coverage

ENGINE:

Engine and all components Cylinder head and gasket ECU Electronic engine-speed-control system Engine block Engine oil cooler and aftercooler Engine speed controls and linkages — excavators Flywheel housing and gasket Front and rear engine seals Front damper Hydraulic actuator Injection nozzles Injection pump and gasket Manifolds and gaskets Oil pan and gasket Pressure/temperature sensors and sending units Ring gear and flywheel Rocker arm cover and gasket Thermostats Timing gear cover Turbocharger and gaskets Water pump and gasket

TRANSMISSION/DIFFERENTIAL:

Axle(s) and differential(s) Clutch housing (except dry clutch disk) Driveshaft with universal joints Electronic and/or hydraulic control valves Excavator rotary manifold

Final drive

Hydrostatic system components including: Propel motor, hydrostatic/ hydraulic pump, and related control valves powering propel and/or swing function (not dig function) Mechanical-front-wheel-drive differential/axle assembly with driveshaft, universal joint, and control Pump and valve controller Reverser with control valve

Splitter drive Swing gearbox and bearings Swing motor and brake Torque converter Transfer drive

Transmission

Accumulator and related relief valves (transmission) Hydraulic differential lock valve and associated parts

HYDRAULIC COMPONENTS:

Control and load-holding valves Cylinder packing kits Hydraulic cylinders Hydraulic oil cooler Hydraulic pumps, motors, and related control valves Hydraulic reservoir Locking pin cylinder Pilot controls

ELECTRICAL: Sensors — rotary

BRAKES:

Wet service brakes Wet steering brakes and clutches

STEERING:

Crossover relief valve Priority valve Steering pump Steering valves and cylinders

Full-Machine Coverage

ENGINE:

Engine and all components Cylinder head and gasket ECU Electronic engine-speed-control system Engine block Engine oil cooler and aftercooler Engine speed controls and linkages excavators Flywheel housing and gasket Front and rear engine seals Front damper Hydraulic actuator Injection nozzles Injection pump and gasket Manifolds and gaskets Oil pan and gasket Pressure/temperature sensors and sending units Ring gear and flywheel Rocker arm cover and gasket Thermostats Timing gear cover Turbocharger and gaskets Water pump and gasket Engine mounts and supports Engine oil lines Engine-speed controls and linkages Filter mount **Fuel lines** Fuel tank and associated parts Fuel transfer pump and gasket Oil filler tube Pulleys

Radiator and hoses Water piping

TRANSMISSION/DIFFERENTIAL:

Accumulator and related relief valves (transmission) Axle(s) and differential(s) Clutch housing (except dry clutch disk) Driveshaft with universal joints Electronic and/or hydraulic control valves Excavator rotary manifold Final drive Hydraulic differential lock valve and associated parts Hydrostatic system components including: Propel motor, hydrostatic/ hydraulic pump, and related control valves powering propel and/or swing function (not dig function) Mechanical-front-wheel-drive differential/axle assembly with driveshaft, universal joint, and control Pump and valve controller Reverser with control valve Splitter drive Swing gearbox and bearings Swing motor and brake Torque converter Transfer drive Transmission Control rods Differential lock valve and associated parts External oil lines Filler tubes (transmission) Filter screens Sending units and sensors Shift-control linkage Transmission oil cooler

HYDRAULIC COMPONENTS:

Control and load-holding valves Cylinder packing kits Hydraulic cylinders Hydraulic oil cooler Hydraulic pumps, motors, and related control valves Hydraulic reservoir Locking pin cylinder Pilot controls

(continued on next poge)

Full-Machine Coverage

(continued)

BRAKES:

Wet service brakes Wet steering brakes and clutches Brake accumulator Brake pump Brake valve Pressure-reducing valve Unloading valve

ELECTRICAL:

Sensors — rotary Alternator Gauges Indicators Instruments Sensors Starter Starter drive Starter solenoid Switches Voltage regulator Wiper motors Wiring harnesses

FACTORY-INSTALLED AIR CONDITIONING:

Accumulator Clutch Compressor Condenser Dryer Evaporator Expansion valve Heater hose Pulley Seals and gaskets Temperature-control programmer

OTHER: Bucket linkages Fan and fan drive Undercarriage components — wear undercarriage items not covered

STEERING:

Crossover relief valve Priority valve Steering pump Steering valves and cylinders Axles Secondary steering system components Spindles and supports Steering linkage Tie rods and tie-rod ends

STRUCTURES:

Arm Articulation joint (including pins and bushings) Boom Dipperstick Engine frame Equipment frame Loader arm Loader frame Mainframe Rollover protection structure Side frame Swing frame Track frame X-frame Z-bar

Factory-backed security

You've got enough day-to-day stress without worrying about unpredictable machine-repair expenses. That's why you owe it to yourself — and your bottom line — to find out about Extended Coverage warranty.

Extended Coverage warranty is factory backed and flexible enough to meet the needs of any business, agricultural operation, or government agency. Call your John Deere CWP dealer for all the facts today.

This brochure does not include all the information you need to know about the Extended Coverage warranties. For complete details, read a copy of the Extended Coverage warranty contract.

This literature has been compiled for worldwide circulation. While general information, pictures, and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options, and accessories NOT AVAILABLE in all regions. PLEASE CONTACT YOUR LOCAL DEALER FOR DETAILS. John Deere reserves the right to change specification and design of all products described in this literature without notice.



JohnDeere.com

DKD1757CWP Litho in U.S.A. (14-07)