

644 P Wheel Loader

22-Nov-2022



JOHN DEERE

Code	Description	QTY	List Price (USD)
6051DW	644 P Wheel Loader	1	\$364,599.00
	644 P-Tier Standard Equipment		
			<p>POWER TRAIN: 5 Speed Transmission with Lock-Up Torque Converter Electronically Controlled Fully Automated Shift System Quick Shift Button on Loader Control Lever with 2 Selectable Modes Automatic / Manual Shift Modes Programmable Maximum High Gear Adaptive Clutch-Cutoff Clutch Calibration Engaged from Monitor 100% Locking Front and Conventional Rear Differentials with Inboard Mounted Heavy Duty Planetary Gears Heavy Duty Self Adjusting Front and Rear Power Brakes Electrically Actuated Automatic Spring Applied, Hydraulically Released, Wet Multi-Disc Park Brake Transmission Fill Tube and Sight Gauge 2000 Hour Transmission Filter</p> <p>COOLING: Quad-Cool System: Heavy Duty, Trash Resistant Radiator and High Ambient Cooling Package 2 Side access to all Coolers Cooling System isolated from Engine Compartment Engine Radiator Integral Engine Oil Cooler Hydraulic Oil Cooler (Oil to Air) Transmission Oil Cooler (Oil to Air) Front and Rear Axle Coolers with Axle Oil Filtration Charge Air Cooler (Air to Air) Coolant Recovery Tank Antifreeze, -34F (-37 C) Cool-on Demand Swing out Fan Enclosed Fan Safety Guard</p> <p>HYDRAULICS: Pressure Compensating Load Sensing Hydraulic System 2 Function Hydraulic Joystick with FNR Control Automatic Return to Dig In Cab Adjustable Automatic Boom</p>

Height Kickout / Return to Carry
Hydraulic Function Enable / Disable
Hydraulic Reservoir with Sight
Gauge and Fill Strainer
Hydraulic Diagnostic Ports
4000 Hour In-Tank Filter

ELECTRICAL:

24 Volt Electrical System
Solid State Electrical Power
Distribution System
(2) Heavy Duty Batteries - each 950
Cold Cranking amps/190 minute
Reserve Capacity
Lockable Master Electrical
Disconnect Switch
Battery Terminal Safety Covers
Pre-wired for Beacon/Strobe Light
Lights:
(2) Halogen Driving Lights with
Guards
(4) Front and (2) Rear Work Lights
LED Turn Signals and Flashers
LED Stop and Tail Lights
Horn, Electric
Reverse Warning Alarm
Voltage Converter for 24V to 12V /
8 Amps
Multi-Function / Multi-Language LCD
Color Monitor includes:
DIGITAL INSTRUMENTS
ANALOG Display:

Hydraulic Oil Temperature
Engine Coolant Temperature
Transmission Oil Temperature
Engine Oil Pressure
DIGITAL Display:
Engine RPM
Transmission Gear / Direction
Indicator
Hour Meter
Fuel Level
DEF Level
Speedometer
Odometer
Outside Temperature
Indicator Lights for Standard and
Selected Options
Indicator Lights For Amber Caution
and Red Stop
Operator Warning Messages
BUILT-IN DIAGNOSTICS:
Diagnostic Code Details
Sensor Values
Calibrations
Individual Circuit Tester
MENU DISPLAY:

Codes
Machine Settings
Diagnostics
Monitor Settings

OPERATOR'S STATION:
ROPS Quiet Cab with Heater and Air
Conditioning
Defroster and Pressurizer
Front and Rear Intermittent
Windshield Wipers and Washers
(1) Inside and (2) Outside Rear
View Mirrors
Left and Right Rear Side Opening
Windows
Sun Visor
Keyless Start with Multiple
Security Modes
Sealed Switch Module with Function
Indicators
Seat with Back Rest Extension, Deep
Foam, Fabric Cover, Adjustable Air
Suspension for Weight/Height with
Fore-Aft Adjustment and Adjustable
Arm Rests
Hydraulic Controls Integrated to
Seat
3 Inch High Visibility Blaze Orange
Seat Belt with Retractor
(2) Cup Holders
Lunch box (Cooler) Holder
LED Dome and Reading Light
12 Volt Power Port
Radio Ready
Rubber Floor Mat
Tilt Steering Column
Textured Steering Wheel with
Spinner Knob
Operator's Manual Storage
Compartment
Left Side Operator Station Access
Slip-Resistant Steps and
Ergonomically Located Handholds

Overall Vehicle:
NeverGrease Rear Axle Oscillation
Joints
Front and Rear Tie Downs
Front Fenders
Rear Hitch with Locking Pin
Articulation Locking Bar
Boom Locking Bar
40 Degree Steering Articulation to
Each Side with Rubber Cushion Stops
on Frame
Vandal Protection With Lockable
Engine Enclosures, Right
Counterweight Compartment, Battery

Box, Filler Access for
 Radiator/Fuel/Hydraulic/Transmission
 Service Steps and Handholds
 Storage Compartment
 Fuel Tank Fill Strainer
 Heavy Duty Fuel Tank Guard
 Ground Level Fueling and DEF
 Less Tires and Wheels

6051DW 644 P Wheel Loader 1 \$364,599.00

DESTINATION AND LANGUAGE

Destination Code Basic Factory Options - Required

0202 United States No Added Cost

Operator's Manual and Language Basic Factory Options - Required

0259 English No Added Cost
 English language for operator's manual and electronic content

0287 Spanish No Added Cost
 Spanish language for operator's manual and electronic content

Labels Basic Factory Options - Required

0351 Translated Text Labels No Added Cost
 Vehicle labels translated to selected language

MACHINE CONFIGURATION

Machine Configuration Basic Factory Options - Required

0400 Standard Loader No Added Cost

0401 Waste Handler No Added Cost

The Waste Handler Package is a recommended configuration for loaders going into waste, scrap, or recycling applications. Additional guarding and options can be found in the G.R. Mfg. range

Requires the following:

- Level 1 Performance Package (0651)
- Less Fenders (5550)
- Less Hitch/Counterweight (6250)

Linkage Configuration

Basic Factory Options - Required

0451 Standard Z-BAR No Added Cost

0452 High Lift Z-BAR \$6,342.00

Adds 16.3 inches (416 mm) height to bucket hinge pin, fully raised over standard linkage. Rated tipping load and lift capacity will be lower than unit equipped with the standard boom.

PACKAGES

Trim Packages

Basic Factory Options - Required

0614 Level 1 Trim No Added Cost

Includes:

- Flat Black Exhaust
- 100 Amp Alternator
- 8 Amp Converter
- Halogen Work and Drive Lights
- Deluxe Seat, Cloth with Air Suspension
- AM/FM/Weather Band (WB) Radio with Remote AUX Port
- Less Tire Pressure Monitoring System
- Ride Control

0615 Level 2 Trim \$5,594.00

Includes:

- Flat Black Exhaust
- 140 Amp Alternator
- 30 Amp Converter
- LED Work and Drive Lights
- Premium Seat, Heated and Ventilated with Heavy Duty Air Suspension
- Premium AM/FM/Weather Band (WB) with Bluetooth, Remote Aux and Remote USB Port
- Tire Pressure Monitoring System
- Ride Control

Performance Packages

Basic Factory Options - Required

0654	Level 1 Performance	No Added Cost
	This Package is recommended for machines that will be used on hard packed and well maintained surfaces doing V-pattern loading	
	Package includes: - Locking Front Differential - Standard Rear Differential - Manual Diff Lock - Less Throttle Lock - Less Wheel Spin Control - 4-Speed Powershift Transmission	
0656	Level 2 Performance	\$5,145.00
	This Package is recommended for machines that will be used in unstable or unmaintained ground conditions doing V-pattern loading	
	Package includes: - Locking Front Differential - Locking Rear Differential - Auto Diff Lock - Less Throttle Lock - Wheel Spin Control - 4-Speed Powershift Transmission	
0658	Level 3 Performance	\$4,320.00
	This Package is recommended for machines that will be used on hard packed and well maintained surfaces doing load and carry or stockpiling	
	Package includes: - Locking Front Differential - Standard Rear Differential - Manual Diff Lock - Throttle Lock - Less Wheel Spin Control - 5-Speed Powershift Transmission with Lock-up Torque Converter	
0659	Level 4 Performance	\$9,465.00
	This Package is recommended for machines that will be used in unstable or unmaintained ground conditions doing load and carry or stockpiling	
	Package includes: - Locking Front Differential - Locking Rear Differential - Auto Diff Lock - Throttle Lock - Wheel Spin Control - 5-Speed Powershift Transmission with Lock-up Torque Converter	

COLD WEATHER PACKAGES - ORDER AS DESIRED

Field Installed Attachments - Optional

8500	Cold Weather Package	\$518.00
	This Package is recommended for machines that will spend extended periods of time working in colder environments	
	Package includes:	

- Block Heater
- Hydrau XR Hydraulic Oil (provides all-season capability in ambient temperatures ranging from -40C to 40C (-40F to 104F))

* Selection of this package will also require the machine to be equipped with option code 8295 (Heated and Powered Exterior Mirrors)

8295	Heated And Powered Exterior Mirrors	\$747.00
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DEBRIS PACKAGES - ORDER AS DESIRED

Field Installed Attachments - Optional

8501	Debris Package	\$3,574.00
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This Package is recommended for machines working in dusty or high debris applications.

Package includes:

- Automatic Reversing Hydraulic Fan
- Cab Fresh Air Precleaner

8505	Guards - Transmission & Bottom	\$2,677.00
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MAINTENANCE AND SERVICE PACKAGES - ORDER AS DESIRED

Field Installed Attachments - Optional

8502	Maintenance and Service Package	\$1,099.00
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Package includes:

- Engine Compartment Light
- Quick Fluid Service w/ Environmental Drain

AUXILIARY EQUIPMENT PACKAGES - ORDER AS DESIRED

Field Installed Attachments - Optional

8508	Auxiliary Equipment Package	\$1,175.00
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Package includes:

- Beacon Light (Amber)
- Seat Belt Indicator Beacon Light (Green)
- Fire Extinguisher
- Slow Moving Vehicle Emblem
- License Plate Bracket

8205	Four Point Seat Belt	\$832.00
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8213	Chrome Curved Stack	\$700.00
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OPERATOR'S STATION

VISION SYSTEMS

Basic Factory Options - Required

0951	Rear Camera (Primary Display) Rear camera with display integrated into monitor	No Added Cost
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0952	Rear Camera (Secondary Display) Rear camera with dedicated display	\$715.00
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0953	Advanced Vision System Two digital cameras are installed on the rearview mirror platforms to widen the field of view making the area beside the rear tires visible from the operator seat. These views, along with that of the rearview camera are integrated into a dedicated single display within the cab. * For night time operation it is highly recommended to equip the machine with the LED lighting package (See Trim Packages)	\$6,136.00
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Detection System

Basic Factory Options - Required

1102	Advanced Object Detection Includes an object detection system (radar) that provides audible alerts when objects are detected at the rear of the machine. Also includes dynamic reversal projected path lines.	\$3,069.00
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1100	Less Detection System	No Added Cost
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Steering Systems

Basic Factory Options - Required

1602	Steering Wheel Vehicle Steering executed through Steering Wheel (includes FNR on steering column). * No Joystick Steering will be available if this option is selected.	No Added Cost
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1603	Steering Wheel and Joystick Steering Provides 2 Steering Systems with Steering Wheel and Left Hand Joystick with FNR Switch.	\$5,137.00
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Operator's Station Steps Basic Factory Options - Required

1301	Left Side Steps	No Added Cost
1302	Left and Right Side Steps Not for use with Less Fenders and Rear Platforms option	\$966.00
1303	Close Mounted Left Side Steps Requires Less Fenders and Rear Platforms option	No Added Cost

Operator's Station-Order As Desired Field Installed Attachments - Optional

8210	Secondary Steering Secondary Steering is NOT Joystick Steering Control. Secondary steering is used in the event of a failure of the normal steering power source(s), or if engine shuts down while the machine is in motion and allows temporary steering of the machine by using an electric motor powered steering pump or a ground driven steering pump (depending on loader model) to provide temporary hydraulic pressure and flow to the steering cylinders.	\$2,933.00
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PRECISION TECHNOLOGY SOLUTIONS

Machine Connectivity Basic Factory Options - Required

183E	JDLink™ Includes integrated cab wiring harness, antenna, and JDLink™ Modem (MTG). JDLink™ connectivity is enabled separately through the JDLink™ website. Connectivity service is subject to country availability.	No Added Cost
183Q	JDLink™ Satellite Includes integrated cab wiring harness, antenna, JDLink™ Modem's (Cellular MTG & Satellite MTG). JDLink™ connectivity is enabled separately through the JDLink™ website. Connectivity service is subject to country availability.	\$3,215.00

Payload Scale Basic Factory Options - Required

2205	SmartWeigh Ready + Trial	\$930.00
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The 250-hour SmartWeigh trial period enables the loader to be equipped with SmartWeigh components and software from the factory and utilize the system for 250 machine hours. After 250 hours, the solution will be disabled but an option to fully purchase the software via a software only field kit is available. Payload weighing information is displayed on the primary machine monitor.

2206	SmartWeigh	\$5,000.00
	SmartWeigh™ is a Deere designed and supported payload weighing solution that delivers accurate measurements, dynamic weighing capabilities, and is easy to calibrate. Payload weighing information is displayed on the primary machine monitor.	

2201	Less Payload Scale w/ Cycle Counter	\$124.00
	Models will be shipped payload scale ready. A payload scale whole good field kit may be added at a later time.	

ENGINE

Engine	Basic Factory Options - Required
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4069	John Deere 6.8L - FT4/SV	\$39,384.00
	John Deere Powertech PSS 6.8L Meets FT4/EU STAGE V Emissions	

MAINFRAME/STRUCTURES

Rear Hitch and Counterweights	Basic Factory Options - Required
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6522	Rear Counterweight & Rear Hitch w/ Pin	No Added Cost
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6520	Less Counterweight & Rear Hitch	(\$1,484.00)
	Required for use in the following applications: - Waste Handler Configuration - Machines equipped with solid or foam filled tires - Machines installing "Rear Access Platform with Steps & Hand Holds" field kit	

HYDRAULICS/CONTROLS

Hydraulic Controls	Basic Factory Options - Required
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7025	Single Axis Lever Controls	\$212.00
	Provides an individual hydraulic function control lever for the boom, bucket, and aux functions (if equipped).	

* Only available for 2 function and 3 function hydraulics.

7026	Joystick Controls	No Added Cost
	Provides a single lever (joystick) control for the boom and the bucket. Optional 3rd and 4th functions are controlled with proportional thumb rollers integrated in the joystick handle (if equipped for applicable models).	

Hydraulic Systems

Basic Factory Options - Required

7053	Two Function Hydraulics	No Added Cost
	Controls boom and bucket only.	

7054	Three Function Hydraulics	\$2,342.00
	Controls boom, bucket, and adds an auxiliary function (w/ boom lines).	

7055	Four Function Hydraulics	\$4,442.00
	Controls boom, bucket, and adds two auxiliary functions (w/ boom lines).	

WHEELS/TIRES/TRACKS

Wheels and Tires

Basic Factory Options - Required

5100	Less Wheels & Tires	No Added Cost
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5124	Titan ND-LCM - 23.5-25 L3 20PR Bias Tires w/ 3 PC Rims	\$21,999.00
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5125	Bridgestone VJT - 23.5R25 L3 1-Star Radial Tires w/ 3 PC Rims	\$25,872.00
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5127	Michelin XHA2 - 23.5R25 L3 1-Star Radial Tires w/ 3 PC Rims	\$28,636.00
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5128	No Brand Preference - 23.5R25 L3 1-Star Radial Tires	\$22,902.00
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5155	Titan LS-150 - 725/70-25 L4 16PR Logger Tires w/ 5 PC Rims	\$28,443.00
5156	Rims Less Tires - 750/65R25 w/ 5 PC Rims	\$8,875.00
5157	Michelin XLD Low Profile - 750/65R25 L3 1-Star Radial Tires w/ 5 PC Rims	\$38,805.00
5435	Rims Less Tires - 23.5R25 w/ 3 PC Rims	\$6,161.00

Fenders Basic Factory Options - Required

5552	Standard Front Fenders Includes: - Standard width front fenders	No Added Cost
5553	Full Coverage Front Fenders Includes: - Full width front fenders	\$451.00
5554	Full Coverage Front & Rear Fenders w/ Mudflaps Includes: - Full width front fenders - Full width rear fenders - Mudflaps	\$3,239.00
5550	Less Fenders And Rear Platforms Intended for severe applications like Wastehandling where fenders can be damaged.	No Added Cost

No Tire Brand Preference - Order As Desired Field Installed Attachments - Optional

8017	23.5R25 L3 1-Star Radial Tires w/ 3 PC Rims - No Brand Preference	No Added Cost
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IMPLEMENTS/ATTACHMENTS

Hydraulic Couplers or Attachment Mounting Basic Factory Options - Required

7408	Factory Pin-on Bucket Ready For use when ordering factory installed pin-on buckets.	No Added Cost
7402	Hydraulic Coupler - JRB 418 Pattern	\$7,968.00
7404	Hydraulic Coupler - Hi-Vis/ISO Pattern	\$7,968.00
7407	Field Bucket Ready: Pins Only For use with Field Installed Pin On Buckets The pins shipped with the machine are compatible with Deere designed field installed pin-on buckets. Any other Buckets, Couplers, or Attachments must be reviewed prior to use.	\$624.00
7405	Field Coupler Ready - Pin Disconnect Plumbing For use with field installed Attachment couplers	\$1,524.00
Buckets		Basic Factory Options - Required
7800	Less Bucket	No Added Cost
7896	4.00 YD (3.10 CM) Enhanced Performance Bucket includes curved side cutters, integrated center section spill guard, and weld on skid shoes.	\$13,483.00
7805	4.25 YD (3.25 CM) Enhanced Performance Bucket includes curved side cutters, integrated center section spill guard, and weld on skid shoes.	\$14,010.00
7806	4.50 YD (3.44 CM) Enhanced Performance Bucket includes curved side cutters, integrated center section spill guard, and weld on skid shoes.	\$14,540.00
7807	4.75 YD (3.63 CM) Enhanced Performance Bucket includes curved side cutters, integrated center section spill guard, and weld on skid shoes.	\$15,468.00

Cutting Edges/Segments/Teeth

Basic Factory Options - Required

7458	Bolt-On Cutting Edge	\$2,611.00
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7464	Teeth with Segments	\$3,680.00
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7465	Less Cutting Edge, Segments, and Teeth	No Added Cost
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Fork Frame	Basic Factory Options - Required
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7502	76 Inch (1930mm) Wide Fork Frame	\$13,389.00
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7500	Less Fork Frame	No Added Cost
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Fork Tines	Basic Factory Options - Required
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7702	60 Inch (1524mm) Construction Tines	\$2,562.00
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7703	72 Inch (1829mm) Construction Tines	\$3,635.00
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7700	Less Tines	No Added Cost
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Implements/Attachments - Order As Desired	Field Installed Attachments - Optional
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8032	Attachment Recognition	\$1,029.00
	Enables the machine to recognize asset tracking beacons on any attachment and adjusts the hydraulic settings that were entered for that attachment.	

MISCELLANEOUS

Miscellaneous - Order As Desired

Field Installed Attachments - Optional

8082	Electrical Corrosion Prevention Package Preventive corrosion treatment for use in corrosive environments. Preventive corrosion treatment includes dielectric grease for electrical connections and polyurethane-based sealant on exposed terminals.	\$1,496.00
8154	Lift Hooks	\$472.00
8101	Finish Paint Less Decals - Translated For custom paint. Non-Paintable charcoal grey cab roof. Decals packaged with machine. Safety decals installed.	No Added Cost

Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.