

**JOHN DEERE**

Current Date 06Jan2021

345G LC FT4 Excavator**ENGINE:**

Isuzu 6HK1XASA02, EPA
FT4 / EU Stage IV emissions
Net Peak Power (ISO9249)
249 hp (186 kW)
Turbocharged, air-to-air
charge air cooler
Electronic Engine Control
Unit
Auto-Idle System
Full forced pressure feed
type
High-pressure common rail,
ULSD required, B20
approved; Mounted Fuel
Cooler
Double filter with water
separator, remote mounted
Full flow spin-on filter,
remote mounted
Dual Element Dry-type Air
Filter with Restriction
Indicator
Glow Plug Start Aid
Antifreeze Protection to -34
degrees F (-37 degrees C)
Side by Side by Side
Radiator, Oil Cooler,
Intercooler with Dust Net
Enclosed Fan Guard
500 Hour Engine Oil Change
Interval, Isolation Mounted
Filter
HYDRAULICS:
Open Center, Load Sensing
with Three Variable
Displacement Pumps
Optional Auxilliary Hydraulic
Lines with AFL Proportional
Control
Hydraulic Pilot Controls
Axial Piston Swing Motor
Swing Brake Multiple Wet
Disk, Spring Applied,
Hydraulically Released
Auxiliary Valve Section
Adjustable Flow for

Inline DEF Filter
ELECTRICAL:
50-Amp Alternator - 24 Volt
Worklights: 5 Halogen, 1
Mounted on frame, 2
mounted on Boom, 2
mounted on top of cab
UNDERCARRIAGE:
Two Speed Propel with Auto-
Shift
Axial Piston Propel Motors
Propel Motor Shields
Planetary Final Drives
Sealed Track Chain
Track Guides x3 (per side)
Provisions for Tie Downs
X-Frame Car Body
Hydraulic Track Adjuster
Eight Lower Rollers
Two Upper Rollers
Spring Applied Hydraulic
Released Propel Brake
UPPER STRUCTURE:
Right and Left Mirrors
Toolbox
Vandal Locks for: Cab Door,
Service Doors, Fuel Cap
Counterweight, 19,136 lbs.
(8,680 kg)
FRONT ATTACHMENT:
Oil Impregnated Bushings
Reinforced Resin Thrust
Plates
Tungsten Carbide Thermal
Coating on arm to Bucket
Joint
Centralized Lubrication
System
Dirt Seals on Bucket Pins
Less Bucket
OPERATOR'S STATION:
JDLink Ultimate Machine
Monitoring System w/ 5-year
Message Service
(Available in United States
and Canada only)

Machine Information Center
(MIC)
Auto-Climate Control/Air
Conditioner, Heater with
Pressurizer
AM-FM Radio
Rear View Camera
Windshield Wiper/Washer
with Intermittent Speed
12V-60W, 5 Amp Cell Phone
Power Outlet
3 In. Retractable Seat Belt
Tinted Safety Glass
Hot/Cold Box Compartment
Horn
Cup Holder
Interior Light
Coat Hook
Floor Mat
Motion Alarm with Cancel
Switch
Transparent Tinted Roof
Hatch with Sunshade
Four Fluid-Filled Elastic
Mounts
Easy Access Air Conditioning
Filter
Multifunction, Color LCD
Monitor System with:
Diagnostic Capability
Systems Monitoring
Capability
Multiple Language Capability
Maintenance Tracking
Engine Coolant Temperature
Gauge
Engine Coolant Temperature
Warning
Indicator with Audible Alarm
Engine Oil Pressure Warning
Diesel Exhaust Fluid Gauge
Fuel Gauge with Low Fuel
Indicator
Work Mode Indicator
Auto Idle Indicator
Alternator Charge Indicator

Bid Term: 2/22/19 - 2/21/21; Extended to 2/21/22

Attachments Through Monitor	Adjustable Control Positions (Levers to Seat, Seat to Pedals)	Air Filter Restriction Indicator
Boom and Arm Reduced Drift Valves	4" Arm Rests Attached to Side Consoles	Fault Code Alert Indicator
Power Boost	Pilot Control Shut-Off Lever	Check Engine Indicator
Auto Power Lift	Short Stroke, Low Effort Pilot Levers	Wiper Mode Indicator
Hydraulic Tank Site Gauge	Switches for Auxiliary Hydraulic Control on RH Pilot Lever	Work Lights On Indicator
5,000 Hour Hydraulic Oil Change Interval	Deluxe Adjustable Heated Cloth Seat with Air Suspension, Reclining Backrest, Headrest, and Adjustable Lumbar Support	Fuel Rate Display
Three variable-displacement axial-piston pumps		Clock
Heat treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins		Hour Meter
		Mode Selection: One Work Mode, Three Power Modes, Numerous Attachment Modes
		Auto-Climate Control/Air Conditioner, Heater with Pressurizer

Required - You must select one from each category

▼ BASE MACHINE

Description	Code	Price
345G LC FT4 Excavator	03W0FF	\$320,803.00

▼ ENGINE

Description	Code	Price
Engine Stage IV Emissions	1095	\$31,680.00

Isuzu 6HK1 7.8L
264 Net Rated hp (ISO 9249)
Turbocharger
Charge Air Cooler
Electronic Engine Control Unit
Auto-Idle System
Antifreeze Protection to -34F (-37C)
Enclosed Fan Guard
Dual Element Dry-type Air Filter with Restriction Indicator
Full Flow Oil Filter
Double Fuel Filter
Water Separator
Curved Exhaust
Automatic Belt Tension Device
Glow Plug Start Aid
Heavy Duty, Low Maintenance Batteries
50-Amp Alternator - 24 Volt
500 Hour Engine Oil Change Interval
70% (35 degrees) Off Level Capability
Engine Oil Sampling Valve

▼ MACHINE CONNECTIVITY

Machine connectivity functions require cellular coverage. Usage of JDLINK /ZXLINK 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 - 5 Year Subscription	170C	No Added Cost

Includes JDLink hardware: integrated cab wiring harness, antenna, modular telematics gateway (MTG), and now includes all Ultimate Connectivity features Wireless Data Transfer (WDT) enabling automatic data transfer from TimberMatic and Waratah H16 Measuring Systems to TimberManager and MyJohnDeere, supporting TimberOffice 5 Software. Additionally, Ultimate now includes Limited Internet features supporting optional ForestSight Solutions such as advance mapping systems and Remote Display Access (RDA) features supported by TeamViewer applications. 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 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. If these terms and conditions are not agreeable do not proceed and do not use the service.

▼ TRACK SHOES		
Description	Code	Price
Triple Semi-Grouser Shoes	3350	No Added Cost
▼ TRACK FRAME		
Description	Code	Price
1913 TRACK FRAME BOTTOM COVER SEAT SCREWS	7500	No Added Cost
▼ SEAT		
Description	Code	Price
Seat, Heated Air-Suspension	4130	\$976.00
▼ BOOM		
Description	Code	Price
One Piece Boom with Arm Cylinder and Plumbing	6835	\$29,064.00
▼ GRADE READY/GRADE GUIDANCE		
Description	Code	Price
Less Grade Reference Ready Mounts	7901	No Added Cost
▼ ARM		
Description	Code	Price
Arm with Bucket Cylinder and Linkage	7160	No Added Cost
3.1 M (10 ft. 2 in.)		
	7180	\$4,522.00

Arm with Bucket Cylinder and Linkage

3.76 M(12 Ft. 2 in.)

AUXILIARY HYDRAULICS

Description	Code	Price
Auxiliary High-Flow Hydraulic Lines w/ AFL (Electronic Proportional Control, Pilot Level Mounted)	7490	\$10,800.00

for 3.1 M Arm (10 ft.. 2 in.)

Auxiliary High-Flow Hydraulic Lines w/ AFL (Electronic Proportional Control, Pilot Level Mounted)	7495	\$11,030.00
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for 3.75 M Arm

Optional - *Select as desired*

ATTACHMENTS FOR FIELD CONVERSION

Description	Code	Price
<u>Buckets, Heavy-Duty</u>		

36 In (914 mm), 0.97 yd3 (0.74 M3) Heavy-Duty Bucket	BYT11162	\$6,739.00
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Includes Four (4) John Deere TK-Series Fanggs Teeth (TK400FD)

42 In (1067 mm), 1.19 yd3 (0.91 M3) Heavy-Duty Bucket	BYT11163	\$7,412.00
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Includes Five (5) John Deere TK-Series Fanggs Teeth (TK400FD).

48 In (1219 mm), 1.39 yd3 (1.06 M3) Heavy-Duty Bucket	BYT11164	\$7,978.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD)

54 In (1372 mm), 1.61 yd3 (1.23 M3) Heavy-Duty Bucket	BYT11165	\$8,305.00
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Includes Six (6) John Deere TK-Series Fanggs Teeth (TK400FD)

60IN (1525MM) 2.09YD (1.60 M3) HD Bucket Includes Seven (7) TK400 Series Teeth.	BYT11166	\$8,887.00
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Buckets, Side Cutters

Edge Protector Kit	AT342511	\$624.00
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Side-Cutter Kit, 3 inch	AT342512	\$647.00
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Side-Cutter Kit, 6 inch	AT342513	\$647.00
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Guards

Cab FOPS Guard	AT390802	\$3,104.00
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FOPS Level II, ISO 10262 Certified

Hydraulic Couplers

	AT452019	\$9,549.00
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Hydraulic Quick Coupler (Non-Variable type) - Coupler and Controls Kit

Includes non-variable hydraulic quick coupler with hydraulic and electrical control components

Hydraulic Quick Coupler (Variable-type Pin-Grabber) - Coupler Only	BYT11631	\$12,488.00
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Coupler kit ONLY. Includes coupler, jumper hoses, and one set of dead pins.
Controls components NOT included. Also purchase Controls Kit BYT11632 (250G/ZX) or BYT11633 (300G/ZX; 345G/ZX).
Not compatible with hydraulic thumb AT379652, AT379653, AT379654, or AT379655 (250G/ZX).
Not compatible with hydraulic thumb AT389951, AT389948, AT379658, or AT379659 (300G/ZX; 345G/ZX).

Hydraulic Quick Coupler Controls Kit, (Variable-type Pin-Grabber) - Controls Kit Only	BYT11633	\$1,536.00
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Controls kit ONLY. Includes hydraulic control components, electrical control components and components to manifold on end of arm.
Does not include hydraulic quick coupler - also purchase BYT11631.
May not be required if replacing existing hydraulic quick coupler.

Hydraulic Thumb Kit, Direct for Couplers	AT389949	\$9,993.00
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Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.
Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.
Not compatible with Hydraulic Quick Coupler (Variable-type Pin-Grabber) BYT11631.

Installation Charge for Hydraulic Quick Coupler	AT345608	\$1,401.00
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When ordering Hydraulic Quick Coupler (Variable-type Pin-Grabber) must order both Coupler and Controls attachment kits.
Installation Charge Order also requires attachment part number, SHIP-TO address for Paladin Custom Works, AND reference related machine order number.
The related machine order must reference the attachment order number.
Order code available only for Kernersville, North Carolina installations.

Hydraulic Thumb Kits

Deere/Hitachi Hydraulic Thumb Installation	AT339844	\$1,987.00
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Labor for installation of Deere/Hitachi thumb at Paladin Customworks Kernersville, NC.

Hydraulic Thumb Kit, Direct	AT389951	\$9,993.00
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Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.
Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.
Not compatible with couplers.

Hydraulic Thumb Kit, Progressive	AT379658	\$11,755.00
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Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.
Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.
Only available for the following arm lengths:
300/345 3.75M (12'4")
Not compatible with couplers.

Hydraulic Thumb Kit, Progressive for Couplers	AT379659	\$11,755.00
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Teeth matching between the bucket and thumb will depend on the bucket width, number of teeth, and tooth spacing.
Please see DMAC solution 94331 for optimum thumb and bucket teeth engagement.
Only available for the following arm lengths:
300/345 3.75M (12'4")
Not compatible with Hydraulic Quick Coupler (Variable-type Pin-Grabber) BYT11631.

Hydraulics

Anti-Drift Valve with Plumbing and Hardware, Arm Cylinder	AT327659	\$3,131.00
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Auxiliary Hydraulics, Attachment Combination Kit	AT343990	\$595.00
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For use on 220 Mono-Boom Wheeled Excavators.
Requires Auxiliary High-Flow Hydraulic Lines.
Allows for a combination of attachments (i.e. hammer and thumb) to be connected to the high-flow lines, ready for operation.
Kit includes parts to replace the arm tube of the high-flow hydraulic lines with a short tube and uses the existing stop valves to shut-off thumb operation when not in use.

Control Handle for Auxiliary Hydraulics, Left-Hand	AT327652	\$530.00
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Requires control solenoid for either 1-way or 2-way auxiliary hydraulics.
Recommended for use with auxiliary hydraulic lines.

Hydraulic Filter Restriction Indicator Kit	AT445803	\$797.00
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Single Pedal Propel Kit	AT390776	\$2,143.00
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Operator Environment

Full Length Front Guards	BYT11141	\$1,547.00
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After Serial # 020001

Mechanical Control Pattern Changer Kit	BYT11013	\$1,133.00
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