



JOHN DEERE

CONSTRUCTION EQUIPMENT

DOZERS



MODEL NO.

700H



II-Series



DARE TO

Introducing the all-new 700H. With 115 turbocharged horses, full-featured hydrostatic drivetrain, and an oscillating undercarriage, this highly versatile 12½-ton dozer takes Deere's best-selling H-Series to the next level. Whether you're a John Deere 650H owner wanting to "move up", or a competitive crawler owner looking for an alternative, the 700H Dozer is your kind of machine.

Backed by an extensive dealer network, exclusive CounterParts® promise, and Secure® worldwide warranty – the 700H Dozer delivers advantages you don't get with comparable-size crawlers. Read on and you'll see what we mean.

CONSTRUCTION EQUIPMENT

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COMPARE



DRIVETRAIN

Power-management system takes both the guess and work out of efficient operation. Just set maximum desired ground speed and the dozer does the rest. As loads change, the drivetrain automatically powers up or down to maintain peak engine rpm and efficiency without stalling.

The 700H steers the same and maintains its preset speed whether it's on level ground or a 2-to-1 slope. Fully depressing the decelerator brings it to a stop regardless of the terrain.

An infinitely variable range from 0 to 5½ mph lets you choose the right ground speed for the job. For total control around critical structures.



Outpushes, outmaneuvers, out-everythings every dozer in its class

Admittedly, that's pretty bold talk for the new crawler on the block. But this state-of-the-art earth-mover has what it takes to walk the talk.

Fundamentally the same as John Deere's best-selling H-Series dozers, the 700H introduces a new level of operating ease and control to the 105–130 horsepower class. Its full-featured dual-path hydrostatic drivetrain provides power turns, counterrotation, and infinitely variable speed control – plus plenty of other production-enhancing advantages.

No other comparable-size crawler comes close to offering the same combination of flexibility, ease of operation, and performance you get in the 700H.



Usable counterrotation is another distinct Deere advantage. Use it for overcoming corner-loaded side-drafts and for quickly repositioning the blade on-the-go. Or for space-saving spot turns.

Infinitely variable track control lets you speed up or slow power to each track. For smooth, full-power turns that don't tear up soft terrain like conventional clutch/brake systems.





Achieve inner peace

Modular cab is isolation mounted for quietness, fully pressurized to keep out dust.

Exclusive Auto-Trac system maintains straight tracking in forward or reverse. So operators concentrate less on steering and more on doing their best bladework.

The fully modulated drivetrain delivers smooth starts and direction changes. Unique speed selector enables an operator to preset reverse travel speeds that are 80-, 100-, 115-, or 130 percent of forward.

Decelerator gives low-effort toe-tip control of engine and ground speed for up-close agility.

OPERATOR STATION

Joystick gives low-effort control of steering, forward/reverse travel, and ground speed. Detented so it doesn't require an operator's constant touch or attention, it employs a thumb-actuated switch to slow or speed-up travel.

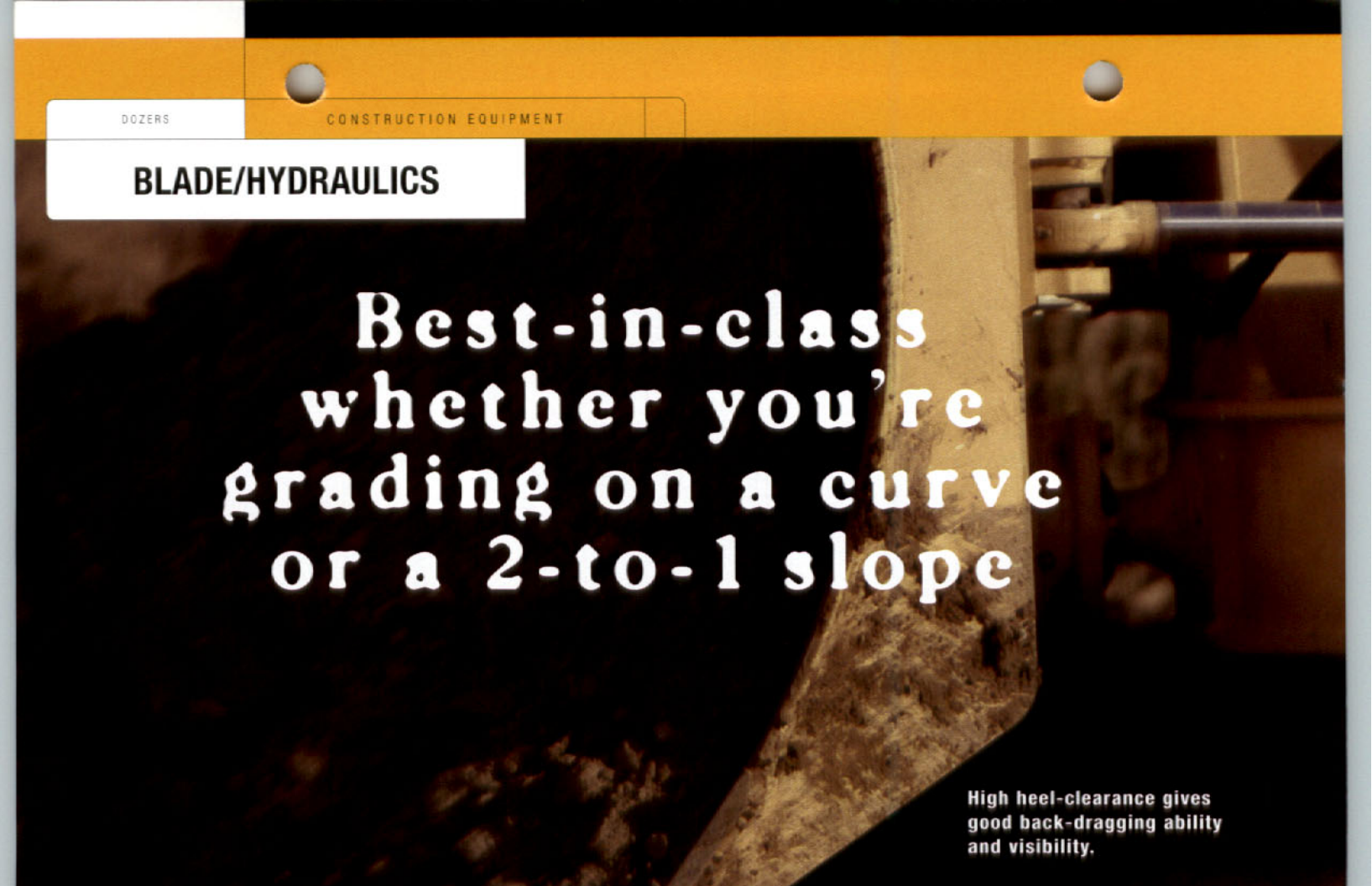
Directional vents deliver warm or cool air with quiet efficiency. For non-cab crawlers, an optional underseat heater helps warm the operator's feet. AM/FM weather-band radio is also available.

Cloth or vinyl deluxe suspension armchair seat adjusts 7-ways for day-long comfort. Adjustable armrests and footrests are standard.



Operators won't have to feel their way on a 700H. Its cab-forward design and floor-to-ceiling tinted glass provide a commanding view.

Microprocessor-controlled electronic monitor keeps a vigilant watch over vital machine functions, with warnings you can see and hear.

BLADE/HYDRAULICS

**Best-in-class
whether you're
grading on a curve
or a 2-to-1 slope**


High heel-clearance gives good back-dragging ability and visibility.

Superior bladework requires good balance and this dozer definitely has it. Its six-roller oscillating undercarriage takes rough terrain in stride, allows smooth transitions onto slopes, and maintains solid rigidity for precise grading.

Visibility is excellent and unrestricted. The operator can clearly see the corner of the cutting edge, as well as the area behind, below, and beyond the blade.

An ergonomically correct T-bar lever puts low-effort control of the all-hydraulic PAT blade in the palm of your right hand. Blade response is quick, powerful, and uncompromising.

Up front, the double-bevel cutting edge penetrates easily, and the moldboard curvature keeps the load rolling for easier cut-and-fill work. Long-track and low-ground-pressure configurations are equipped with 120- and 132-inch-wide blades.



Cord covered hoses are well-protected, yet easily replaced.

Closed-cell blade design and robot-welded, fabricated, box-section C-frame are strong and durable.

Heavy-duty ball-and-socket joint sheds material build-up for long-term grading precision.



Easy-to-adjust top link makes blade pitch changes easier than ever.



Generous hydraulic flow and precise metering deliver a natural "feel" that will enhance any operator's grading skills.

Quick blade response makes this dozer a natural for work with a laser. Its easily accessible control valve simplifies installation, too.

You talked, we listened

Engine, hydrostatic drive pumps, and hydraulic pump are bolted together, forming an easy-to-remove powertrain package. It's attached to the mainframe on rubber mounts to reduce noise and isolate vibration.

115 hp Deere turbocharged 6-cylinder diesel delivers maximum power at a low 2,200 rpm for good fuel economy, longevity, and reduced noise.

Individually replaceable, spin-cast, wet-type cylinder liners dissipate heat for reduced ring wear and oil breakdown.

Okay, so maybe you didn't have direct input into the 700H Dozer's state-of-the-art design. But dozens of North American dozer users and operators did.

From computer concept to final build, these customer advocates evaluated the 700H throughout its development, helping ensure that it meets the wants and needs of customers like you. Now it's your turn to check it out. The more you look, the more you'll like.

POWERTRAIN/COMPONENTS

One-piece, fully welded mainframe resists torsional stress, absorbs shock loads, and delivers maximum strength while allowing easy access to major drivetrain components.

Final drives are attached to the mainframe, effectively isolating them from track-imposed shock loads. Seal guards are built-in, not extra-cost options.

Axial-piston hydrostatic motors are mounted directly to the final drives at the back of the mainframe. A rear access panel makes removal easy. Heavy-duty high-pressure hoses connect the pumps and motors that form the drivetrain. O-ring face seal (ORFS) couplings virtually eliminate leaks.

Pinned front crossbar increases mainframe rigidity, enhances the ride, and reduces nosedive for improved grading ability.

UNDERCARRIAGE

No weak links in this undercarriage

Sealed chain keeps lubricant in, abrasives out for long life. Split master link makes chain easier to repair.

Strutted track links and rollers are forged from boron-steel alloys that allow deep heat-treating through the 100-percent wear limit for long and consistent wear.

As you've just seen on the previous pages, the 700H Dozer is loaded with features that give it uncommon value, long life, and trouble-free performance. And nowhere is that more evident than in its Dura-Trax™ undercarriage.

Compare its pins, bushings, links, and rollers to those on other similar-size dozers. You don't need a tape measure to know that the 700H components are bigger. Better, too, because it's also what we do with that extra metal that enables the 700H Dozer's undercarriage to last so long. Read on and learn why it's the best on any dozer in its class.

Deep-hardened, lifetime-lubricated, cast-steel carrier rollers deliver durable, maintenance-free operation.

Heavy-duty triple-reduction final drives are mounted independent of the track frames, preventing dozer-imposed shock loads from transferring to vital drivetrain components.

Cast steel-alloy segmented sprockets have deep-hardened wear surfaces for long life. Unique tooth profile also helps extend sprocket and bushing life.

Full-length track frame covers resist mud build-up, making undercarriage clean-out simpler.

There's only one wear-causing forward-travel-loaded flex point. Compare that to the three found on an elevated sprocket undercarriage. Which do you think will last longer?

Heavy-duty pinned front crossbar enhances the ride and regulates track oscillation for solid stability on slopes, smooth moves on rough terrain, and balanced bladework.

Track rollers are hardened through the wear limit inside and out for long life. Irregular spacing causes bottom rollers to contact links at varying points for a smoother, quieter ride.

UNDERCARRIAGE CHOICES

	20 INCHES	22 INCHES	24 INCHES	30 INCHES	30 INCHES
700H	X	X			
700H LGP	X	X	X	X	X*

Options include single-bar extreme-duty grousers and pyramid* track shoes

Easy does it

Lockable service doors provide wide-open access to dipsticks, sight gauges, fill tubes, and vertical spin-on transmission, hydraulic, and fuel filters. Most daily and periodic powertrain service can be accomplished on the right side.

No crawling under this crawler to grease the C-frame or crossbar. Lube bank puts difficult-to-service zerks within easy reach where they're less likely to be overlooked.

SERVICE



Available remote diagnostic ports allow quick checks of drive system and charge pressures for easier troubleshooting. Sight gauges replace dipsticks for checking hydraulic and drive system fluid levels.



Electrical disconnect switch, batteries, and fuses are conveniently located behind the left-side panel.

It's not just the one in the seat who benefits from the 700H Dozer's many advances. Oilers and technicians will also find plenty to appreciate in this new Deere.

Daily and periodic service points are conveniently grouped, with many protected behind doors and sideshields that open wide, simplifying fluid and filter checks, additions, and changes.

Other thoughtful details include an easy-to-clean undercarriage, onboard diagnostics, and extended service intervals, to list just a few.

Perhaps best of all, the 700H Dozer is backed by an extensive dealer network providing CounterParts®, SECURE®, and Oilscan® Plus. These and many other product support programs help you control costs and stay profitable. To learn more about John Deere's comprehensive Total Repair Cost Management lineup, see your John Deere dealer.

700H

DOZER

SPECIFICATIONS



CONSTRUCTION EQUIPMENT

Engine

700H LT / 700H LGP

Type	John Deere POWERTECH® 6068T with turbocharger
Rated power	115 SAE net hp (86 kW) / 123 SAE gross hp (92 kW) @ 2,100 rpm
Cylinders, wet sleeve	6
Displacement	414 cu. in. (6.8 L)
Fuel consumption, typical	2.4 to 4.8 gal./hr. (9.1 to 18.2 L/h)
Maximum net torque	410 lb.-ft. (525 Nm) @ 1,300 rpm
Lubrication	pressure system with full-flow spin-on filter and oil-to-water cooler
Air cleaner	dual stage dry type with safety element, precleaner, and dash-mounted restriction indicator
Electrical system	24 volt with 55-amp alternator
Cooling fan	blower-type

Transmission

Dual-path, electronic-controlled, hydrostatic drive; load-sensing feature automatically adjusts ground speed and power to match changing load conditions; each track is powered by a variable-displacement piston pump and motor combination; decelerator controls speed from 5.5 mph (8.9 km/h) to stop

Travel speeds (infinitely variable)

Forward and reverse 0 to 5.5 mph (0 to 8.9 km/h)

Reverse speed ratio control 80, 100, 115, and 130% of forward speed to maximum of 5.5 mph (8.9 km/h)

Final Drives

Heavy-duty triple-reduction final drives attach directly to the mainframe, isolated from the track frame and dozer frame loads

Steering

Single-lever steering, speed, and direction control, and counterrotation; full power turns and infinitely variable track speeds provide unlimited maneuverability and optimum control; hydrostatic steering eliminates steering clutches and brakes

Brakes

Hydrostatic (dynamic) braking stops the machine whenever the direction-control lever is moved to neutral, whenever the decelerator is depressed to the end of travel, or whenever the brake pedal is depressed

Automatic Park Brake

Exclusive safety feature engages wet, multiple-disc brakes whenever the engine stops, whenever the operator applies the brake pedal, or whenever the park lock lever is placed in the start position; machine cannot be driven with brake applied, reducing wear out or need for adjustment

Hydraulic System

System	open center
Pressure, main relief	3,200 psi (22 064 kPa)
Pump	gear-type, fixed-displacement pump
Flow	25 gpm (95 L/min.) @ 2,100 rpm
Filter, return oil	10 micron
Control	T-bar three function
Cylinders	heat-treated, chrome-plated, polished cylinder rods with hardened steel (replaceable bushings) pivot pins

Capacities (U.S.)

Fuel tank with lockable cap	60 gal. (227 L) (12-hr. typical operation)
Cooling system with coolant recovery tank	5.6 gal. (21 L)
Engine oil including spin-on filter	20 qt. (19 L)
Transmission reservoir refill including spin-on filter	17.2 gal. (65 L)
Final drive (each)	14 qt. (13 L)
Hydraulic reservoir refill including spin-on filter	13.5 gal. (51 L)
4000S John Deere Winch, if equipped	10 gal. (38 L)

All powertrain and hydraulic systems allow maximum 45-degree off-level operation.

Undercarriage

700H LT

700H LGP

John Deere Dura-Trax™ features large deep-heat-treated components; pins and bushings are sealed for life; rollers and idlers are permanently sealed and lubricated; full-length track frame covers reduce material buildup and ease cleaning

Sprocket.....	segmented	segmented
Chain.....	sealed and lubricated	sealed and lubricated
Track shoes, each side.....	40	42
20-in. (508 mm) grouser width (closed center, single bar)		
Ground contact area.....	3,800 sq. in. (24 518 cm ²)	4,080 sq. in. (26 324 cm ²)
Ground pressure.....	6.8 psi (47 kPa)	6.5 psi (45 kPa)
22-in. (559 mm) grouser width (closed center, single bar)		
Ground contact area.....	4,180 sq. in. (26 969 cm ²)	4,488 sq. in. (28 957 cm ²)
Ground pressure.....	6.2 psi (43 kPa)	6.0 psi (41 kPa)
24-in. (610 mm) grouser width (closed center, single bar)		
Ground contact area.....	4,896 sq. in. (31 589 cm ²)	
Ground pressure.....	5.6 psi (38 kPa)	
30-in. (762 mm) grouser width (closed center, single bar)		
Ground contact area.....	6,120 sq. in. (39 486 cm ²)	
Ground pressure.....	4.6 psi (31 kPa)	
30-in. (762 mm) swamp shoes		
Ground contact area.....	6,120 sq. in. (39 486 cm ²)	
Ground pressure.....	4.6 psi (31 kPa)	
Ground clearance, minimum		
With single-bar grouser (excluding grouser height).....	15 in. (381 mm)	15 in. (381 mm)
With swamp shoe (including grouser height).....		17.6 in. (447 mm)
Length of track on ground.....	95 in. (2413 mm)	102 in. (2591 mm)
Track gauge, standard.....	70 in. (1778 mm)	78 in. (1981 mm)
Oscillation (at front idler).....	7 in. (178 mm)	7.7 in. (196 mm)
Track rollers, each side.....	6	7
Carrier rollers, each side.....	1	1
Track pitch.....	6.91 in. (175.5 mm)	6.91 in. (175.5 mm)

Optional or Special Equipment

Add (+) or deduct (-) lb. (kg) as indicated to base weight for units with

20-in. (508 mm) track shoes.....	included in base	- 1,375 lb. (- 624 kg)
22-in. (559 mm) track shoes.....	222 lb. (101 kg)	- 1,100 lb. (- 499 kg)
24-in. (610 mm) track shoes.....	N/A	- 681 lb. (- 309 kg)
30-in. (762 mm) track shoes.....	N/A	included in base
30-in. (762 mm) swamp shoes.....	N/A	- 31 lb. (- 14 kg)
132-in. (3353 mm) blade for LT.....	140 lb. (63 kg)	included in base
All-hydraulic heavy-duty C frame (less blade).....	- 1,730 lb. (- 784 kg)	- 1,870 lb. (- 848 kg)
Cab with heater.....	600 lb. (272 kg)	600 lb. (272 kg)
Cab with air conditioning.....	635 lb. (288 kg)	635 lb. (288 kg)
Canopy heater.....	26 lb. (12 kg)	26 lb. (12 kg)
Counterweight, front.....	380 lb. (172 kg)	380 lb. (172 kg)
Deluxe seat group.....	20 lb. (9 kg)	20 lb. (9 kg)
Front tow hook.....	17 lb. (8 kg)	17 lb. (8 kg)
Fuel-fired coolant heater.....	12 lb. (5 kg)	12 lb. (5 kg)
Grille, extreme service with heavy-duty hose guard.....	112 lb. (51 kg)	112 lb. (51 kg)
Limb risers, arched.....	341 lb. (155 kg)	341 lb. (155 kg)
Rear screen, canopy.....	45 lb. (20 kg)	45 lb. (20 kg)
Rear screen, cab.....	91 lb. (41 kg)	91 lb. (41 kg)
Side screens (cab or canopy).....	108 lb. (49 kg)	108 lb. (49 kg)
Screens, front and doors (canopy).....	120 lb. (54 kg)	120 lb. (54 kg)
Screens, front and doors (cab).....	151 lb. (68 kg)	151 lb. (68 kg)
Extreme-service rear tank guard.....	225 lb. (102 kg)	225 lb. (102 kg)
Extreme-service air-conditioning module guard.....	117 lb. (53 kg)	117 lb. (53 kg)
Lights, driving.....	3 lb. (1 kg)	3 lb. (1 kg)
Work lights, high intensity.....	9 lb. (4 kg)	9 lb. (4 kg)
Parallelogram ripper with three teeth.....	2,400 lb. (1088 kg)	2,400 lb. (1088 kg)
Retrieval hitch.....	68 lb. (31 kg)	68 lb. (31 kg)
Extended drawbar.....	195 lb. (88 kg)	195 lb. (88 kg)
Rock guards (4).....	287 lb. (130 kg)	N/A
4000S John Deere Winch.....	1,437 lb. (652 kg)	1,437 lb. (652 kg)
Fairlead, four roller (for 4000S Winch).....	187 lb. (85 kg)	187 lb. (85 kg)
Log arch (for 4000S Winch).....	780 lb. (354 kg)	780 lb. (354 kg)

SAE Operating Weights**700H LT****700H LGP**

With standard equipment, rollover protective (ROPS) canopy, full fuel tank, and 175-lb. (79 kg) operator

With 120-in. (3048 mm) blade and 20-in. (508 mm) track shoes25,800 lb. (11 701 kg)

With 132-in. (3353 mm) blade and 30-in. (762 mm) track shoes27,900 lb. (12 653 kg)

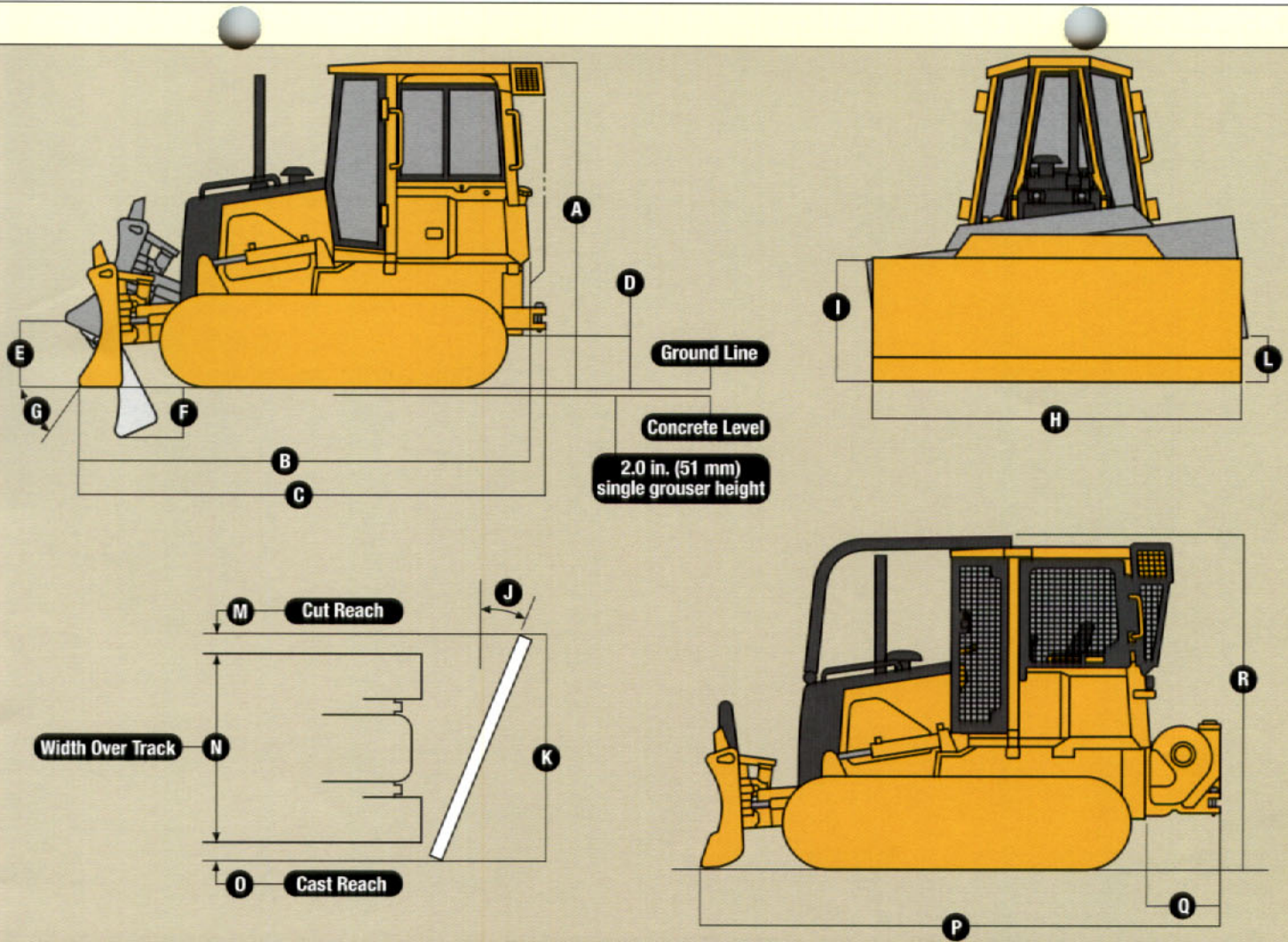
Dimensions**700H LT****700H LGP**

Rounded to the nearest whole number.

A Overall height with canopy or cab.....	118 in. (2985 mm)	118 in. (2985 mm)
B Overall length with canopy.....	178 in. (4509 mm)	185 in. (4693 mm)
Overall length with cab.....	180 in. (4580 mm)	188 in. (4765 mm)
C Overall length with retrieval hitch.....	179 in. (4552 mm)	186 in. (4736 mm)
Overall length with extended drawbar.....	193 in. (4905 mm)	200 in. (5089 mm)
D Ground clearance, minimum		
With single-bar grouser (excludes grouser height).....	15 in. (381 mm)	15 in. (381 mm)
With swamp shoes (includes shoe height).....		17.6 in. (447 mm)
E Blade lift height.....	36 in. (909 mm)	39 in. (980 mm)
F Blade digging depth.....	20 in. (500 mm)	21 in. (541 mm)
G Blade cutting edge angle, variable adjustment range.....	7 degrees	7 degrees

H-Series Blade Specs**700H LT****700H LGP**

H Width.....	120 in. (3048 mm)	132 in. (3353 mm)
SAE capacity.....	3.44 cu. yd. (2.63 m ³)	3.75 cu. yd. (2.87 m ³)
I Height (at ends).....	39 in. (998 mm)	39 in. (998 mm)
Top of spill sheet (center section).....	45 in. (1140 mm)	45 in. (1140 mm)
J Blade angle, right and left.....	25 degrees	25 degrees
K Angled width.....	109 in. (2769 mm)	121 in. (3073 mm)
L Tilt.....	17 in. (424 mm)	18 in. (467 mm)
M Cut reach		
With 20-in. (508 mm) shoes.....	2 in. (51 mm)	
With 30-in. (762 mm) shoes.....		- 1 in. (- 25 mm)
N Width over track.....	90 in. (2286 mm)	108 in. (2743 mm)
O Cast reach		
With 20-in. (508 mm) shoes.....	16 in. (401 mm)	
With 30-in. (762 mm) shoes.....		13 in. (330 mm)



Forestry Application

700H LT

700H LGP

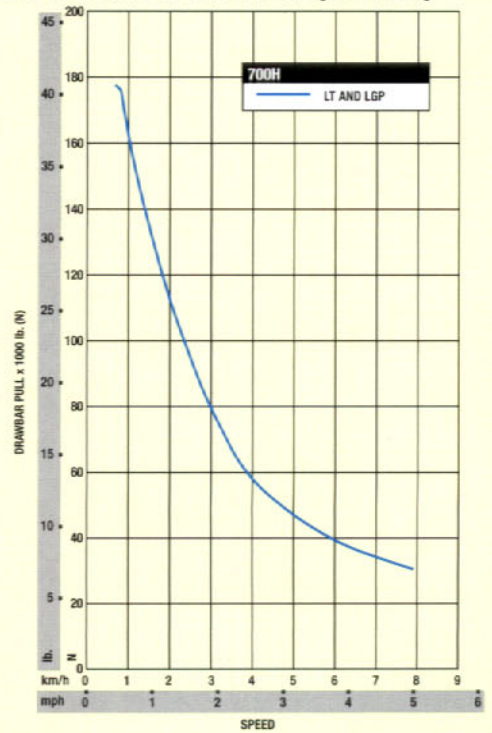
Available limb risers and screens for the rollover protective cab and canopy structures; John Deere-built, self-contained 4000S Winch* for versatile skidding and clearing operations

P Overall length with 4000S Winch.....	208 in. (5283 mm)	215.3 in. (5467 mm)
Q Additional length with 4000S Winch to (B)	30.5 in. (775 mm)	305. in. (775 mm)
Additional length with 4000S fairlead to (P)	10 in. (254 mm)	10 in. (254 mm)
R Overall height with limb risers.....	122 in. (3099 mm)	122 in. (3099 mm)

*See 4000S Winch specifications sheet.

Drawbar Pull

Drawbar pull versus ground speed.....usable pull will depend on traction and weight of tractor



700H Dozer

Key: ● Standard equipment ▲ Optional or special equipment

LT LGP Engine

- ● 115-hp (86 kW) turbocharged, isolation mounted
- ● Electric fuel shutoff with key start switch
- ● Oil-to-water engine oil cooler
- ● Vertical spin-on oil filter
- ● Vertical spin-on fuel filters with water separator
- ● Dual-element dry air cleaner with built-in precleaner and evacuator valve
- ● Above-hood pre-screener/raincap
- ▲ ▲ External primary precleaner*
- ● Enclosed safety fan guard (conforms to SAE J1308)
- ● Coolant recovery tank
- ● Engine coolant to -34°F (-37°C)
- ● Blower-type cooling fan
- ● Trash-resistant seven-fin in-line radiator
- ● Under-hood muffler with vertical exhaust stack
- ● Pre-wired for ether start aid
- ▲ ▲ Electric ether start aid
- ▲ ▲ Radiator sand screen (steel)
- ▲ ▲ Engine coolant heater, 1,000 watts, 110 volts
- ▲ ▲ Engine coolant heater, fuel fired
- ▲ ▲ Steel-braid fuel lines*
- ▲ ▲ Manual fuel shutoff*

Powertrain and Controls

- ● Dual-path hydrostatic transmission
- ● Single-lever steering, speed, and direction control
- ● Decelerator pedal with automatic retardation
- ● Engine-speed selection lever
- ● Automatic tracking control
- ● Dynamic braking (anti-free wheel)
- ● Counterrotation
- ● Service-brake pedal
- ● Transmission neutral lock with safety start switch
- ● Spring-applied, hydraulic-released parking brake
- ● Independent transmission oil reservoir with sight gauge
- ● Onboard diagnostics with visual code display
- ● Oil-to-air transmission oil cooler
- ● Built-in final drive seal guards
- ● Triple-reduction final drives with wet multi-disc brakes
- ● Max. forward/reverse speed 5.5 mph (8.9 km/h)
- ● Selectable reverse speed ratio setting of 80, 100, 115, or 130% of forward speed
- ▲ ▲ Remote diagnostic test ports
- ▲ ▲ Max. reverse speed set to 4.0 mph (6.4 km/h)*
- ▲ ▲ Max. forward and reverse speed set to 4.0 mph (6.4 km/h)*
- ▲ ▲ Max. forward/reverse speed set to 6.0 mph (9.6 km/h)*

C-Frames and Blades

- ● Six-way all-hydraulic heavy-duty C-frame with infinitely adjustable blade pitch
- ● Remote C-frame pivot grease banks
- ● Cordura-covered hoses with replaceable lengths
- ● Straight end bits
- ● Blade, 120-in. (3053 mm), with heavy-duty C-frame
- ● Blade, 132-in. (3353 mm), with heavy-duty C-frame*
- ▲ ▲ Special blades and blade liners*
- ▲ ▲ Full-length spill sheet*
- ▲ ▲ Blade brush guards 52 in. (1321 mm), 120 in. (3053 mm)

Electrical (24-volt system)

- ● Fuse panel with blade-style multi-fused circuit breakers
- ● Horn, electric (conforms to SAE J994, J1446)
- ● Reverse warning alarm (conforms to SAE J994, J1446)
- ● Fuel gauge, electric, illuminated
- ● Hourmeter, electric
- ● Transmission oil pressure gauge, illuminated
- ● Master electrical disconnect
- ● Positive battery terminal covers with battery cover
- ● By-pass start safety cover at starter
- ● Electronic monitor with visual and audible warning: Alternator / Hydraulic filter restriction / Transmission filter restriction / Transmission oil temperature / Coolant temperature (audible) / Engine coolant temperature gauge / Engine oil pressure (audible) / Engine oil pressure gauge / Air cleaner restriction / Fasten seat belt / Park brake

LT LGP Electrical (continued)

- ● Ground-speed selection display
- ● Dual 12-volt low-maintenance batteries, 190-min. reserve capacity, 950 CCA
- ● 55-amp sealed alternator with cab or canopy
- ▲ ▲ Power port, 12 volt, 20 amps, for phone and radio
- ▲ ▲ Tachometer*

Hydraulic System

- ● 25-gpm fixed-displacement hydraulic gear pump
- ▲ ▲ Pump with through-drive for winch or auxiliary pump
- ● Low-effort T-bar blade control
- ● Independent hydraulic reservoir with sight gauge
- ● Vertical spin-on hydraulic filter
- ● O-ring face seal hydraulic connectors
- ● Three-function hydraulic valve
- ▲ ▲ Four- and five-function valves with levers, without float
- ▲ ▲ Four- and five-function valves with levers, with float*
- ▲ ▲ Power-beyond section for front/rear attachments*
- ▲ ▲ Rear auxiliary plumbing

Undercarriage

- ● 70-in. (1778 mm) track gauge, 95-in. (2413 mm) track on ground
- ● 78-in. (1981 mm) track gauge, 102-in. (2591 mm) track on ground
- ● Double-flange rollers
- ● Oscillating track frame with pinned front crossbar
- ● Full-length smooth-surface track-frame covers
- ● Chain guides, front and rear (bolt-on)
- ● Fully protected track-tension adjusters (grease adjustable)
- ● Segmented sprockets
- ▲ ▲ Sprocket rock guards (bolt-on)
- ▲ ▲ Bolt-on full-length track-roller rock guards
- ● Sealed and lubricated track chains
- ● 20-in. (508 mm) extreme-service, single-bar grousers
- ▲ ▲ 22-in. (559 mm) extreme-service, single-bar grousers
- ▲ ▲ 24-in. (610 mm) extreme-service, single-bar grousers
- ● 30-in. (762 mm) extreme-service, single-bar grousers
- ▲ ▲ Swamp shoes, 30-in. (762 mm), self-cleaning pyramid
- ▲ ▲ Rubber or polymer track shoe pads*
- ▲ ▲ Open-center or special track shoes*

Lights (optional)

- ▲ ▲ Grille-mounted high-intensity lights (2), with rear light (1), halogen, 50 watts each
- ▲ ▲ High-intensity work lights, front (2) and rear (2), with steel guards, 50 watts each

Operator's Station

- ● Modular ROPS/FOPS canopy, isolation mounted (conforms to SAE J1040)
- ▲ ▲ Under-seat canopy heater, 30,000 Btu/hr.
- ▲ ▲ Modular ROPS/FOPS cab, isolation mounted (conforms to SAE J1040): Fresh air intake cab heater/defroster/pressurizer, 18,000 Btu/hr. with air precleaner / Dome light / Deluxe headliner with molded air ducts for heater, defroster, and air conditioner / 30,000-Btu/hr. under-seat heater / Front windshield and doors, wipers and washers / Tinted safety glass
- ▲ ▲ Air conditioning, 24,000 Btu/hr.
- ● Right and left operator station entry
- ● Slip-resistant front-mounting steps
- ● Ergonomically located handholds
- ● Headliner and floor mat
- ● Adjustable footrests and full-length armrests
- ● Built-in Operator's Manual storage
- ● Suspension vinyl seat (conforms to SAE J899): Fore and aft/weight and height combined adjustment / Adjustable leg support / Seat belt, 2 in. (51 mm), retractable with CRS (conforms to SAE J386)
- ▲ ▲ Deluxe comfort control mechanical suspension seat, vinyl or cloth (conforms to SAE J899): Fore and aft/weight and height combined adjustment / Adjustable leg support / Adjustable backrest angle / Adjustable lumbar support / Adjustable seatback extension / Seat belt, 3 in. (76 mm), retractable with CRS (conforms to SAE J386)

* See your John Deere dealer for further information.

LT LGP Operator's Station (continued)

- ▲ ▲ Deluxe comfort control air suspension seat, vinyl or cloth (conforms to SAE J899): Fore and aft/weight and height combined adjustment / Adjustable leg support / Adjustable backrest angle / Adjustable lumbar support / Adjustable seatback extension / Seat belt, 3 in. (76 mm), retractable with CRS (conforms to SAE J386)
- ▲ ▲ Seat belt, 3 in. (76 mm), retractable with CRS (conforms to SAE J386)
- ● Convex interior rearview mirror
- ▲ ▲ Rear attachment mirror (for cab only)
- ▲ ▲ Accessories: Convex wide-angle interior rearview mirror / Leg cushions (2) / Seat-side lockable storage box/lunch box/cup holder
- ▲ ▲ Rear window wiper and washer for cab
- ▲ ▲ Radio, AM/FM weatherband with digital clock and antenna
- ▲ ▲ Canopy-to-cab enclosure conversion panels*
- ▲ ▲ Rear-and-side-only enclosure panels*
- ▲ ▲ Front windshield and doors enclosure panel*
- ▲ ▲ Vinyl canopy enclosure, side, rear, and/or lower entry*
- ▲ ▲ Fire extinguisher*

Overall Vehicle

- ● One-piece unitized construction mainframe
- ● Front tow loop (bolt-on)
- ● Reinforced engine and mid-frame bottom guards
- ● Integral transmission guard
- ● Heavy-duty louvered grille
- ● Perforated engine side shields
- ● Vandal protection lock provisions for: Engine service access cover / Fuel fill / Hydraulic reservoir fill/check / Transmission reservoir fill/check / Instrument panel
- ● Solid hood (painted gray for reduced glare)
- ● Lockable grease gun/tool storage compartment in right access door
- ▲ ▲ Environmental drains
- ▲ ▲ Chrome exhaust stack
- ▲ ▲ Manuals/trademarks/decals, French or Spanish
- ▲ ▲ Transport lift and tie-down rings*

Protection Packages

- ▲ ▲ Extreme-duty louvered grille and hose protection
- ▲ ▲ Limb risers, arched or point-to-point (bolt-on)
- ▲ ▲ Operator-protective rear screen (canopy or cab)
- ▲ ▲ Operator-protective side screens (canopy or cab)
- ▲ ▲ Operator-protective full-screen package (canopy or cab)
- ▲ ▲ Heavy-duty engine air-intake guard
- ▲ ▲ Extreme-service rear tank guard
- ▲ ▲ Air-conditioning module guard
- ▲ ▲ Lift cylinder guards

Attachments

- ▲ ▲ Counterweight, front, 380 lb. (172 kg)
- ▲ ▲ Counterweight, rear*
- ▲ ▲ Retrieval hitch with pin
- ▲ ▲ Extended rigid drawbar with pin for pull-type implements
- ▲ ▲ Drawbar, extended for winch (with or without Fairlead)
- ▲ ▲ Ripper, parallelogram with five shank pockets and three teeth
- ▲ ▲ Winch, John Deere 400GS, power in/free spool out OR power out
- ▲ ▲ Winch, Carco or Allied*
- ▲ ▲ Winch, hydraulic, front- or rear-mounted*
- ▲ ▲ Four-roller fairlead for winch
- ▲ ▲ Log arch for winch*
- ▲ ▲ Automatic blade control*
- ▲ ▲ Grapple, skidding*
- ▲ ▲ Root-rake blade attachment
- ▲ ▲ Root rakes in place of blade*
- ▲ ▲ Fireline plow*
- ▲ ▲ Water tanks for fire suppression*
- ▲ ▲ Pull-type choppers*
- ▲ ▲ Cable plows and side booms*
- ▲ ▲ Pull-type scraper and roller compactor*
- ▲ ▲ Rear-mounted toolbox



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Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 6270B, using No. 2-D fuel at 35 API gravity. No derating is required up to 10,000-ft. (3050 m) altitude. Gross power is without cooling fan.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, specifications are based on units with standard equipment, rollover protective structures, full fuel tanks, and 175-lb. (79 kg) operators; 700H LT units with 120-in. (3048 mm) blade and 20-in. (508 mm) track shoes; and 700H LGP unit with 132-in. (3353 mm) blade and 30-in. (762 mm) track shoes.

