

New Holland TG Series II Tractors 175 to 255 PTO hp

TG215 TG245 TG275 TG305



NEW HOLLAND



The head of the class

Unrivaled power, productivity and comfort push your operational efficiency over the top.

For farm operators who are at the top of their game, New Holland introduces the new TG Series II tractors. They're at the head of the class so you can be, too.

Best-in-class performance

There's simply nothing mediocre about the new TG Series II tractors from New Holland. When it comes to pulling power, hydraulic power, lift capacity, turning performance and comfort, TG Series II tractors deliver above and beyond the rest.

Increased horsepower

With up to 255 PTO hp and up to 44 PTO hp power growth, TG Series II tractors deliver proven power at the drawbar and plenty of lugging power for demanding conditions.

More speed choices

Equip your TG Series II tractor with the transmission that best suits your operation:

- 18 x 4 powershift transmission
- 19 x 4 powershift transmission with a fuel-saving overdrive for transport

- 23 x 6 Shift Through Creeper powershift transmission

No matter which of the three TG transmissions you choose, you get a minimum of 18 forward speeds, and eight speeds in the three- to eight-mph tillage range. That's more than you'll find on most tractors in this class.



Roomy comfort and superior control

The quiet TG Series II cab is designed to keep you and your operators performing at your best with superior visibility, easy controls and maximum comfort. A best-in-class choice of optional lighting packages allows you to work more easily after the sun goes down. Choose front or rear High-Intensity Discharge (HID) lamps, or choose the new deluxe, 360-degree lighting package that includes egress lighting that illuminates the steps for up to two minutes after you exit the cab.

More flow and higher lift capacity

You can operate the most advanced seeders and specialty equipment with unprecedented



You don't settle for second best, and neither does New Holland. TG tractors have once again earned best-in-class test performance numbers, assuring outstanding performance for you.

hydraulic flow—up to 70 gallons per minute on two separate circuits with the MegaFlow™ option. Power at the three-point hitch is awesome, too—up to 17,920 pounds lift capacity—so you can harness the productivity of the largest implements.

Sharper turning and a smoother ride

Select the front axle that best suits your needs—standard FWD, the exclusive, tight-turning SuperSteer™ FWD axle, or the precision traction and smooth ride provided by the TerraGlide™ FWD axle. No matter

which you choose, the longer wheel-base of your TG Series II tractor gives you a power-to-weight ratio advantage and a better overall ride.

A variety of tire, wheel and ballast options are available, including rear duals and triples. Front dual wheels are also available to provide more traction, front-end stability and reduced soil compaction.

See your New Holland dealer to learn how the innovative, best-in-class performance of TG Series II tractors can have a direct impact on the performance of your operation.



Innovative features like the patented SuperSteer™ FWD axle set TG Series II tractors apart from the rest.

Model	PTO HP	Hydraulic Flow Standard/Optional	Three-Point Lift Capacity	Optional Three-Point Lift Capacity
TG215	175	38.6 / 70 gpm	13,960 lbs	15,970 lbs
TG245	200	38.6 / 70 gpm	13,960 lbs	15,970 lbs
TG275	225	38.6 / 70 gpm	14,970 lbs	17,920 lbs
TG305	255	38.6 / 70 gpm	15,970 lb	17,920 lbs

Power that grows



Torque rise of up to 56% provides immediate response when you need it most.

New TG Series II tractors fly through heavy tillage, disking and ripping jobs with power to spare thanks to their six-cylinder, turbocharged, 8.3-liter New Holland engines. All four models are outfitted with the 24-valve engine. Responding with up to 56% PTO torque rise and a power growth of up to 44 horsepower, these engines actually increase horsepower as the engine pulls down to slower RPMs when the going gets tough. Fuel economy improves at slower engine speed as well. It's the kind of power that lets you cover more acres, in less time, with less fuel.

High-performance reliability

The large 8.3-liter engine displacement contributes not only to a higher torque response, but also leads to longer engine life. A rated speed of 2200 rpm improves fuel efficiency, and improves the overall reliability and durability of TG Series II engines. Operators will appreciate the lower cost of TG tractor operation.

Fuel economy advantage

TG tractors provide up to 18 hours continuous operation without refueling thanks to their outstanding fuel efficiency and a large 180-gallon fuel capacity. A New Holland electronic common rail fuel system delivers high injection pressures independent of engine speed. These higher injection pressures result in better atomization of the fuel and a cleaner burn, resulting in increased fuel economy, improved low end torque and reduced emissions. The full-authority electronic fuel control system also provides variable timing, fuel temperature compensation and constant engine speed control.



A new common rail fuel injection system boosts TG Series II tractor fuel efficiency. An electronically controlled injector supplies precise quantities of high pressure fuel from a common rail accumulator to each individual cylinder, eliminating plunger pumping elements and long individual injection lines to each cylinder.

Cruise to productivity

Electronic engine management allows you to set the maximum engine RPM for constant-speed applications like planting and spraying. You can also take advantage of Constant Engine Speed Control to save fuel during tillage operations by setting constant engine speed to 2000 rpm—where horsepower and fuel economy are at their peak, with plentiful torque in reserve. It also allows you to maintain precise control when using the PTO and ground speed to meter chemical outputs when spraying or broadcast spreading. Controls are



Electronic engine management on all models gives you the convenience of setting a constant engine speed—or “cruise” control.

located on the panel to your right. A speed adjustment switch allows you to change maximum engine speed. For turns, you control engine speed with the hand throttle or foot throttle when equipped.

On-the-go feedback

Choose the optional Performance Instrumentation and ground speed radar sensor and you are rewarded with detailed real-time feedback. The monitor reports on the area covered, distance traveled, fuel consumption, percentage of wheel slip, percent of power used along with gallon per hour and gallon per acre information. It's an excellent total management tool for increased productivity, and offers built-in protection by shutting down the tractor if engine or transmission temperatures or pressures get outside of normal operating range.

Model	PTO HP	PTO Torque Rise	Peak Power
TG215	175	51%	208 hp
TG245	200	55%	244 hp
TG275	225	55%	258 hp
TG305	255	56%	289 hp

Automatic shifting at it's best

Three transmissions provide AutoShift convenience during field and road operation.

New Holland tractors are known for their virtually effortless powershift transmissions. Now, you have the choice of three. All are electronic, full powershift transmissions with straightline forward-reverse powershifting and smoother-than-ever shift quality. You'll also enjoy a 25-mph road travel speed and a host of automatic features that allow you to glide through the gears without the need to shift manually.

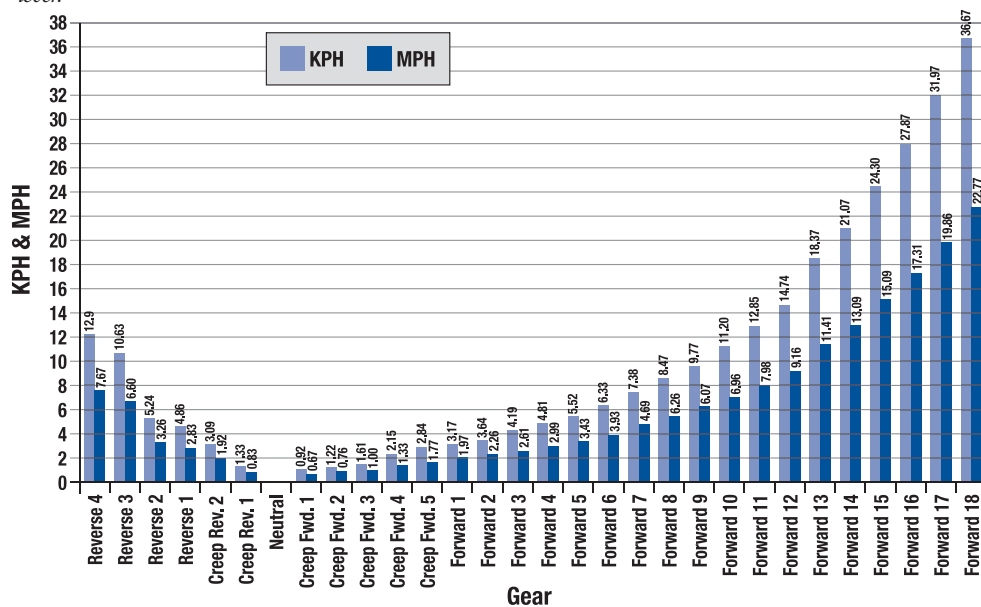
Three choices

The 18 x 4 powershift transmission provides eight working speeds in the 3- to 8-mph tillage range, with a smooth, approximately 14% speed change between gears. The new 23 x 6 creeper powershift transmission offers all of the same features as the 18 x 4, plus two additional reverse gears and an additional five forward speeds from .54 to 1.68 mph. The ability to operate at rated engine speeds at ground speeds as low as .54 mph makes this transmission ideal for specialty crops and low-speed applications. You can shift through all gears, including creeper gears, without stopping the forward travel of the tractor. The 19 x 4 powershift transmission provides an over-drive gear, reducing engine speed for improved fuel savings during transport.

The 23 x 6 creeper transmission adds five forward creeper speeds and two reverse speeds to the standard 18 x 4 transmission.



Switches are conveniently located on the right-hand armrest control console for A) AutoShift, B) front-wheel drive engagement, C) Automatic Diff Lock, D) Custom Headland Management, and E) transmission control lever.



As easy as it gets

As you rest your arm on the right-hand armrest console, your hand is in a natural position to operate the transmission control lever. Move the lever forward and you move forward. Pull it back and you're in reverse. No clutching required. Two buttons on the side of the control lever allow you to move through the powershift gears with the push of your thumb. Press the top button and you shift up one powershift gear at a time. Hold the top button and you move up one powershift gear every second. Use the bottom button in the same way to downshift.



AutoShift

With a push of the AutoShift button on the armrest console, the TG Series II transmission converts to an automatic transmission. For Automatic Road Operation, push the AutoShift button when you are in gears 11 and above and you can operate the tractor using only the throttle. Automatic Field Operation engages at gear 10 and below and automatically maintains tractor performance under varying loads in the field based on engine speed and engine load. The transmission automatically downshifts when load increases, then returns to the selected gear when conditions improve. The AutoShift feature can be used at the same time as the Constant Engine Speed feature, but does not function in creeper or reverse gears.

Headland time savers

Custom Headland Management

TG Series II tractors ordered with the Performance Instrumentation are equipped with the Custom Headland Management System that memorizes the multiple adjustments you make when turning at the headland and allows you to recall them with the push of a single button. A switch under the padded armrest allows you to “record” and “play back” two separate sequences—one for exiting the row, and the second for entering a row.

Up to 30 steps can be recorded for both sequences combined. Steps can include functions like up-shifting, down-shifting, engine speed, hydraulic remote valve functions, differential lock, FWD engagement and three-point hitch position. So, when you come to the end of the row, you simply push one button and the Custom Headland Management System will automatically throttle back, change gears and raise the implement. Press the button again, and the system repeats the second sequence you recorded to get you back in the row and on your way.

Programmable Upshift/Downshift

TG tractors with standard instrumentation provide simplified headland turns with the Hitch Up/Down switch and the Programmable Upshift/Downshift switch located side by side on the armrest console. You program the number of gears—from one to four—that you want to

downshift for your turn at the headland. Then, at the end of the row, you simply depress both buttons rearward to downshift and raise the implement, make your turn, and depress both buttons forward to shift up and lower the hitch. With the FWD and the Differential lock switches both in automatic mode, these functions will automatically disengage and engage when you raise and lower a three-point implement at the headland. With a trailing implement, simply ride a brake to have the FWD and Differential lock disengage/engage to make your tightest turn back into the row.



A push of this single Custom Headland Management switch allows you to “play back” a sequence of adjustments when entering or exiting a row. For tractors equipped with standard instrumentation, a Programmable Upshift/Downshift switch is located here instead.

Make yourself at home

No other tractor can beat the size, visibility and smart design of the TG Series II cab.



The TG Series II cab is designed around a basic principle: the better you feel, the better you perform.

Spacious comfort

The TG cab is roomy, featuring a best-in-class cab volume of 109.5 cubic feet that allows you to stretch out and get comfortable. The large workstation to your left holds papers, a laptop computer, or other needed items within easy reach. Or, an optional instructional seat can be installed over the workstation. Overhead and rear storage areas with cargo nets secure gloves, papers, and other miscellaneous items. And, a large shelf behind the seat provides additional storage for coolers, tools, and other items.

An awesome view

There's not a tractor cab in the

industry that has more glass area than the new TG Series II cab—68.5 square feet. The cab's rounded corners and curved glass provide 360-degree visibility, and the narrow, sloped hood gives you a straight-line view down to the rows. Front and rear windshield wipers /washers are standard, as well as a front sunscreen. Optional equipment includes a right-side windshield wiper, a right-side sunscreen and rear window sunscreen.

Armrest controls

TG controls are always at your fingertips because they're conveniently integrated into the left- and right-hand armrests, so they stay with you even as you swivel, raise or lower the seat. You can also adjust the position of the right-hand armrest controls relative to the seat to suit your driving

needs—forward, back, and up and down to suit your driving needs.

New IntelliView™ II monitor

The new, color IntelliView™ II display monitor is provided on the right-hand armrest on models equipped with the IntelliSteer™ auto-steering system (see page 21). This monitor is the interface for the IntelliSteer system, allowing you to do all calibrations, data storage control, and operational functions at the tip of your fingers.

Deluxe seating is standard

A deluxe air-suspension seat is standard equipment on all TG Series II tractors. It cushions the bumps your fields dish out and includes an adjustable heat control that cycles on and off during the day to provide a

massaging effect that reduces fatigue. The TG seat fits your body perfectly, moving front and back and providing adjustments for firmness, weight, height, swivel, lumbar support and fore/aft isolation—all standard.

AutoComfort™ Seat

For the ultimate in riding comfort, equip your TG tractor with a seat that provides automatic dampening—the AutoComfort™ seat. A sensor within the seat monitors your ride and automatically adjusts the dampening up to 500 times per second to respond to changing terrain. As the terrain becomes more uneven, the shock stiffens up automatically using a specialized magnetic fluid that can change from a liquid to a near-solid and back to a liquid in milliseconds. No more bottoming out at the headland!



The standard air suspension seat provides deluxe comfort. An instructor seat can be installed in place of the workstation area to your left.

Modern accommodations

The TG Series II cab is wired for sound and communication. It's wired for radio and speakers and includes six power outlets for phones, business band radio and additional monitors. Additional standard features include an adjustable inside rearview mirror, horn, map light, dual cup holder and coat hook. You can also add wide adjustable external mirrors with either manual control or electronic remote control.

The temperature you choose

A new Automatic Temperature Control System supplies heat or air conditioning to maintain the temperature you set. Your comfort is maintained automatically so you can focus on the job at hand. You can also control the system manually using

controls on the right-side control panel. Temperature and fan speed are displayed on the instrument panel on the right-hand "A" cab post.



Add the windshield wiper and sunscreen options for the right-hand window for clear views no matter what the weather. Wiper/washers for the front and back, and a front sunscreen are standard.



Take a seat in a new TG Series II tractor and your visibility to the rows is outstanding.

Clear, complete instrumentation

Fingertip controls allow you to view the information you want at a glance.

TG Series II tractors make it easy to keep your eyes on your work and on the instruments. Glance to the right "A" post of the cab and you get an instant snapshot of what's going on. All critical tractor information is positioned at eye level, including gauges for oil pressure, coolant temperature and fuel level, and a digital readout of engine speed, ground speed and gear selection. Warning lights and indicator lamps are also provided for engine hours, PTO speed, automatic temperature control, constant engine speed and the AutoShift function.

The Performance Instrumentation also protects the engine and transmission by shutting down after a 30-second warning if engine coolant temperature is too high, engine oil pressure is too high/low, air-to-air temperature is too high or transmission oil temperature is too high. Additional safety features include an operator presence switch that assures that the tractor won't move unless someone's in the seat at startup, and a parking brake that automatically engages when the engine is not running.

Optional performance instrumentation improves productivity

The optional TG Performance Instrumentation helps you maximize your productivity in the field by providing a wealth of valuable information with the push of a button, including:

- Distance traveled
- Percentage of power usage
- Average fuel rate usage
- Accumulated area and area per hour covered
- Headland Management System
- Hydraulic remote flow control settings
- Individual remote timer control settings
- Set slip limit by the Electronic Draft Controller (EDC) (with radar option)
- Percentage of slip (with radar option)
- Fuel remaining in tank
- Fuel rate per area
- Service interval hours
- Auto Implement Depth Control



Simply use this keypad to change the information displayed on the digital readout for the optional Performance Instrumentation.





Add the optional ground speed radar sensor and optional performance monitor and you can track precise ground speed and wheel slip, important factors during spraying, planting and tillage.

Lighting your way

When your workload demands continuous operation, your TG Series II tractor is prepared with all the candlepower you require. The standard lighting package includes six lights vertically mounted in the grill, four front lights in the cab roof line, two rear-fender flood lights, two rear-fender taillights, and two brake lights.

Optional lighting packages

For additional lighting after dark, choose from four optional lighting packages. The first adds four halogen bulbs—two on the front cab post and two on the rear fenders. Optional High-Intensity Discharge (HID) lighting packages are available for front or

back, providing a bulb life of over 6000 hours. Or, choose the 360-degree lighting package for the ultimate illumination:

- 2 front HID lights in the center of each “cat eye” headlamp that replace the center halogen work lamps
- 2 rear fender-mounted HID lights that replace the standard flood lights
- 2 cab roof, side-mounted halogen lights
- Egress lighting that illuminates the threshold and steps for easier exit from the cab. When in the On mode, egress lighting remains on for 90 seconds after the tractor key is turned off. In Timer Mode, you can set the time from 1 second to 120 seconds.



Unmatched hydraulic flexibility

The exclusive MegaFlow™ option gives you 70 gpm flow and two separate circuits.

Capacity, efficiency and quick response—the new TG Series II hydraulic system delivers it all. This system gives you the flexibility to do a multitude of functions simultaneously without sacrificing performance. The heart of the New Holland system is a single, high-efficiency, closed-center, load-sensing (CCLS) variable-displacement piston pump. It provides an outstanding 38.6 gallons per minute (gpm) flow on demand to the three-point hitch, hydraulic remotes, steering and trailer brake systems (optional).

MegaFlow™ hydraulic option

Only New Holland offers the MegaFlow™ system option, adding an independent CCLS piston pump to the standard system to increase total flow to a best-in-class 70 gallons per minute. It's the ideal combination to efficiently operate high-demand implements like air seeders and beet lifters. Since the two pumps provide two separate circuits, you can simultaneously operate two systems—a low-flow/high-pressure system from one remote, and a high-flow/low-pressure system from another. Other tractors use one common pump to carry both loads, and that decreases efficiency and operational performance.

Up to five electro-hydraulic remote valves

Three electro-hydraulic remote valves are standard on all TG Series II models, with a fourth and fifth optional. (Four remote valves are standard with the MegaFlow option.) Individual remote levers are conveniently located on the right-hand armrest console and are color coded to the remote couplers. When you add the optional Performance Instrumentation, you get the added convenience of individually programmable remote valve timers and a visual percent of flow readout from each valve.





Color-coded hydraulic remote levers allow you to easily keep track of hydraulic operations. Remote valve flow controls, master timer and secondary three-point hitch controls are located under the armrest.



Quick couplers allow for easy coupling under pressure and are color-coded to match the in-cab remote levers.



The optional Performance Instrumentation monitor gives you full control of the timing and flow of each valve independently and provides an on-screen report of flow rate and timing.

92LB Front-End Loader

It's an unbeatable team: your TG tractor with the 92LB front-end loader. The 92LB is compatible with every TG axle configuration. A 15-foot lift height and 5,195-pound lift capacity help you move large loads of materials quickly and efficiently. Mechanical self-leveling and a bucket level indicator are standard equipment. The Quick-Attach loader design makes it easy to attach and remove the loader as needed for other jobs. Bucket and attachment changes are easy, too. Select from these available attachments:

- Grapple Fork
- Bale Spear
- Pallet Forks
- 108-inch Heavy Duty Material Bucket
- 108-inch double-sided and reversible bolt-on cutting edge



92LB Specifications and Dimensions

Maximum lift height, in (cm)	180 (457)
Dump clearance, full height with bucket dumped, in (cm)	141 (358)
Maximum bucket dump angle	54 degrees
Reach, full height with bucket dumped, in (cm)	25 (63)
Bucket rollback angle	39 degrees
Digging depth, in (cm)	5 (12.7)
Lift capacity at 31.5" from bucket pivot point, lb (kg)	5,195 (2,356)
Breakout force at 31.5" from bucket pivot point, lb (kg)	6,635 (3.010)
Loader control	Hydraulic remote
Approx. weight without bucket, lb (kg)	1,900 (862)

Note: Loader specifications may vary based on tractor model, hydraulic system, tire size, etc. Loader is not compatible when tractor is equipped with dual front tires.

First class lift capacity

Innovative hitch design improves capacity, traction, control and stability.

Get ready to harness the power of the largest implements on the market today. When equipped with the increased lift option, TG Series II tractors provide a three-point lift capacity from 15,970 to 17,920 pounds, depending on model. Standard lift capacity is also impressive—from 13,960 to 15,970 pounds depending on model.

Dynamic Ride Control™ hydraulically adjusts the three-point hitch to cushion the load of heavy, mounted implements to improve ride quality and control during transport.

Unique design

The New Holland three-point hitch geometry not only improves lift capacity, it actually improves the performance of your tractor. The angle of pull created by upper and lower link location places more weight on the front axle during heavy loads, which transfers to the rear axle during draft control operations, improving traction and stability. A category III/ III N adjustable quick hitch is standard equipment.

Convenient control

A convenient hitch up/down switch on the right armrest console allows you to raise or lower the hitch without changing other hitch adjustments. A forward, momentary position called Express Down, allows the implement to drop at maximum speed, AND DEPTH, and returns the three point controls to the preset working depth once the switch is released for tighter headlands and improved quality of work.



Optional hydraulic top link control

A new optional, hydraulically controlled top link allows you to change the tilt of the implement on-the-go by simply utilizing a remote valve four or five, depending on the option configuration of the tractor. A sliding scale position indicator gives you a quick visual reference for easier implement hook-up. Long lower links are optional to increase tire clearance and hitch transport ground clearance needed with deep tillage implements.



Hydraulic top link option for ease of implement hook up and in field adjustment.



You have fingertip electronic control of the three-point linkage and draft settings.



Draft control

Electronic Draft Control (EDC) is standard on all models. In load control/draft control mode, the EDC raises and lowers the hitch as needed to maintain a constant draft load on the three-point hitch through varying soil conditions. Slip control mode can be used when the tractor is equipped with the optional ground speed radar and performance monitor. The EDC system uses the accurate ground speed information and raises and lowers the hitch to maintain a slip-rate that you set.



A high-capacity drawbar option is available for all models. The heavy duty drawbar should be ordered for applications where extra heavy upward and downward loads are expected, such as with front fold planters, liquid manure wagons and large grain carts.

Your choice of drawbars

Various hitch and drawbar options are available to match the work you do. A swinging drawbar is standard equipment, and a high-capacity, heavy-duty drawbar option is available to handle the heavier loads of large grain carts, front fold planters and liquid manure wagons. An optional auto-pin hammerstrap automatically drops and latches the pin when you hook up to implements.



Remote three-point hitch and hydraulic Top Link rocker switches are located on the fenders for added convenience.



An optional front hitch gives you added flexibility to handle chemical tanks and front ballast weights. The hitch is located close to the front axle for more stable transporting and to reduce side-to-side motion of the implement when steering—an important factor in row-crop work.

An improved ride with TerraGlide™



The optional TerraGlide™ suspended FWD axle improves stability, traction and control.

For an ultra-smooth ride on the roughest ground, equip your TG Series II tractor with the optional TerraGlide™ suspended FWD axle. This electro-hydraulic suspended beam axle design provides MORE advantages than an independent link suspension without the complexity.

4.4 inches of travel

The TerraGlide™ axle keeps the tires perpendicular to the terrain and provides up to 4.4 inches of travel, to keep the front tires in contact with the ground — on any terrain and even at the TG's 25 mph maximum transport speed. This constant ground contact pressure provides constant power to

the ground, improving stability, traction and steering control. And, it reduces the vibration and shocks that reach the cab so you get a smoother ride.

Easy disengagement

It's easy to disable the TerraGlide system when needed. Simply press the TerraGlide™ switch to lock the axle. By turning off the TerraGlide system, your TG tractor can perform operations that require precise front end control, such as maintaining a thin spread of forages with a front blade in pit packing applications or keeping a consistent depth with front three point hitch mounted tillage implements.



Axle suspension cylinders expand and retract as necessary to cushion axle position.



The standard FWD axle: a heavy-duty design

The TG275 and TG305 are equipped with a four-pinion planetary and a 12-bolt hub design that will accommodate dual wheels up to 120 inches of tread setting. This front axle uses heavier construction, weighs 875 pounds more than the 10-bolt hub on the TG215 and TG245, and is designed to carry a static front weight of 13,300 pounds. The 12-bolt hub is optional on the TG215 and TG245.

Optional differential lock

For the added traction you need, or to deal with difficult or slippery conditions, equip your TG tractor with the electro-hydraulic differential lock option (standard with TerraGlide front axle). With one switch you can engage both front and rear differential locks as needed. All four wheels turn at the same speed so you can easily pull through slick spots, or get the straight-line steering you need when opening up a field or lining up an implement for proper overlap. You can control the differential locks manually or with the TERRA LOCK function switches in automatic mode.

The TerraGlide™ suspended FWD axle provides 4.4 inches of travel to increase in field tractive efficiency, smooth the ride over rough terrain, and provides ride control to reduce the loss of load when operating and transporting with a front loader.

Perfect row-crop turns

The exclusive SuperSteer™ FWD axle makes TG Series II tractors ideal for row crop work.

The SuperSteer™ FWD axle option is turning TG Series II tractors into the row-crop tractor of choice. That's because the SuperSteer axle gives you the tightest turns and the best maneuverability on the market. A TG tractor with SuperSteer gives you an amazing 16.5-foot* turning radius.

How SuperSteer™ works

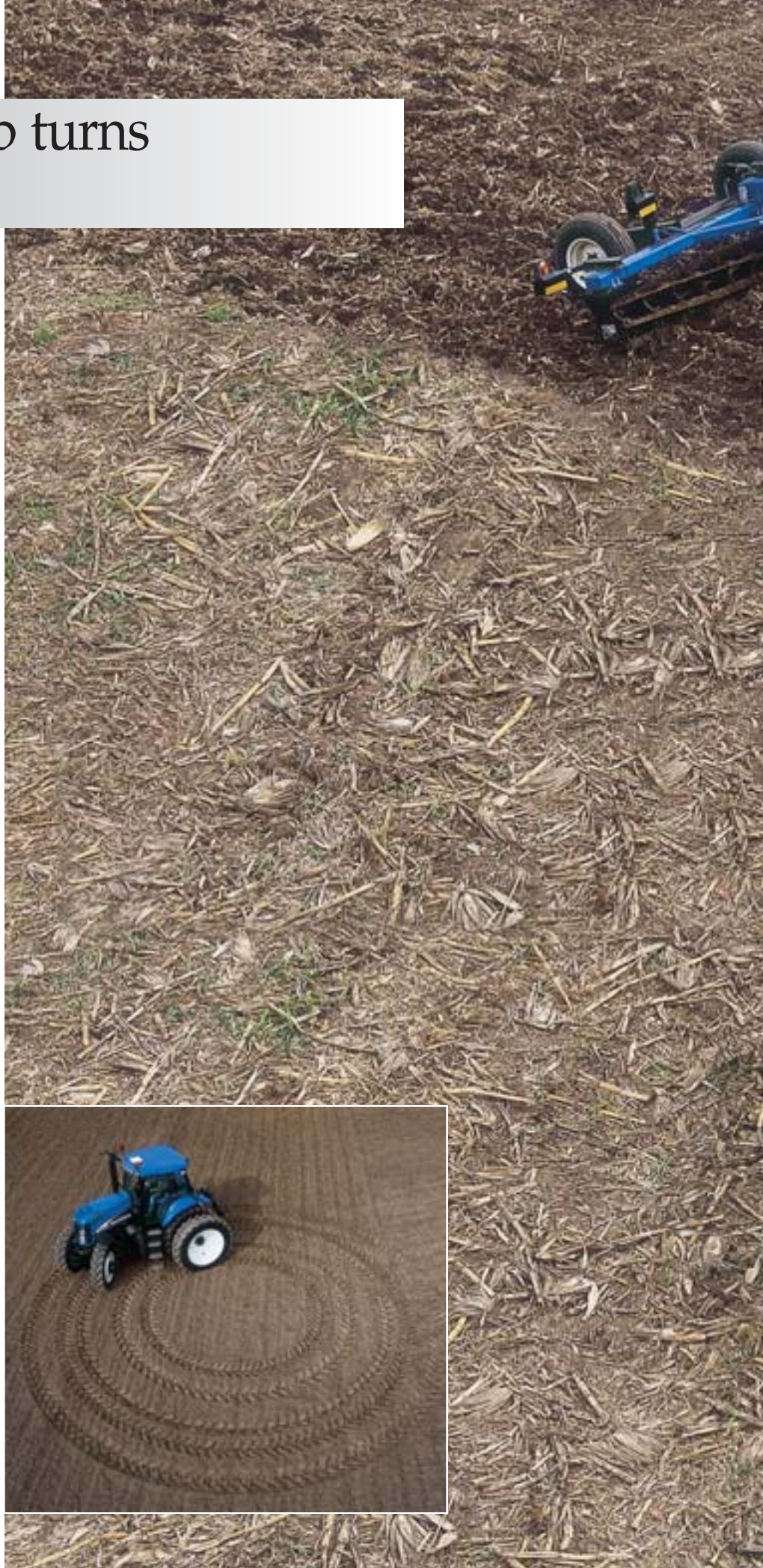
The SuperSteer axle is attached to the tractor with a robust, heavy-duty ball-and-socket joint. As the tractor turns, the whole axle pivots to a maximum of 20 degrees, allowing the outside wheel to move forward, in front of the nose of the tractor. This provides more tire clearance and, when added to the 45-degree maximum turn angle of the wheel ends, gives an effective steer angle of 65 degrees.

Headland turns made easy

The SuperSteer axle saves time at the end of every row by eliminating "lightbulb" turns. With SuperSteer, you simply make your turn at the headland saving you feet of travel, fuel consumption and, most importantly, time. An added bonus is the longer wheelbase and smoother ride of SuperSteer-equipped tractors.

* Measured using 380/85 R34 front tires

The SuperSteer™ axle moves the inside wheel out and away from the frame, providing more tire clearance and a greater turning angle than any other tractor on the market





Convenient service access

One-point daily maintenance saves you time.

New Holland engineers designed TG Series II tractors to save you time—both in the field and during maintenance. You can complete daily servicing at one central location, at ground level, without opening doors, pulling panels or raising the hood. You can easily check/fill engine oil, hydraulic oil, engine coolant and top off the fuel tank. The cab air filter, located under the cab door, is also easy to service from ground level when needed.



For complete engine access, the one-piece hood tilts up. No tools needed and no extra panels to remove.

Tilt-up convenience

For full access to the engine, radiator, oil cooler, condenser, and air-to-air cooler, the one-piece hood tilts up without tools. Complete engine access just doesn't get any easier.

Easy troubleshooting

New Holland dealership service specialists are specially trained to perform troubleshooting diagnostic tests quickly using the New Holland laptop Electronic Service Tool —

right in the field. Service technicians simply plug the tool to the in-cab outlet to scan all of the tractor's electronic components, reducing downtime and speeding up repairs.



You can check the engine oil and reach other routine maintenance points from one side of the tractor, without raising the hood.

IntelliSteer™ Auto Steering Perfect rows every time

The New Holland IntelliSteer™ auto steering system uses GPS technology to guide your TG Series II tractor to plant, spray or till using perfect row positioning every time. The system returns you to the same row position throughout the season, and once in the row, steering is automatic. The IntelliSteer system saves valuable time and resources:

- Less time – travel at higher ground speeds, even at night or in low visibility.
- Less money – without skips or overlaps, you save seed, fertilizer and fuel.
- Less compaction – tire traffic is controlled with each application.
- Less fatigue – operators can concentrate on implement operation.

Select the IntelliSteer system with the level of accuracy that matches your needs:

- IntelliSteer DGPS (Differential GPS) has typical accuracy in the ± 10 inch range.
- IntelliSteer DGPS HP (Differential GPS High Performance) provides a higher level of accuracy in the $\pm 2 - 4$ inch range.
- IntelliSteer DGPS XP provides accuracy from ± 3 to 5 inches.
- IntelliSteer RTK (Real Time Kinematics) provides the highest level of accuracy, in the ± 1 inch range.



Use the IntelliView™ II color monitor mounted on the right-hand armrest to control the IntelliSteer™ auto steering system.



The fuel tank fill point is right beside the steps where it can be filled easily from ground level.



An optional front window step allows for easy window cleaning and provides access to the top of the cab, front wiper, and front cab roof lights.



A handy toolbox (Standard Equipment) is conveniently located on the right side of the tractor.

Specifications

TG Series II Tractors

Model	TG215	TG245	TG275	TG305
Engine:				
PTO hp (kW)	175 (131)	200 (149)	225 (168)	255 (190)
PTO torque rise	51%	55%	55%	56%
PTO Power Growth, hp (kW)	33 (25)	44 (33)	33 (25)	34 (25.3)
Transmission				
Standard	18F/4R Power Shift	18F/4R Power Shift	18F/4R Power Shift	18F/4R Power Shift
Optional	*19F/4R Power Shift	*19F/4R Power Shift	*19F/4R Power Shift	*19F/4R Power Shift
Optional	23F/6R Power Shift	23F/6R Power Shift	23F/6R Power Shift	23F/6R Power Shift
Straightline power shuttle	Standard	Standard	Standard	Standard
Electrical				
Alternator	150 amp, 12-volt/ 175 amp Optional	150 amp, 12-volt/ 175 amp Optional	150 amp, 12-volt/ 175 amp Optional	150 amp, 12-volt/ 175 amp Optional
Independent PTO				
Standard	1 3/4", 1000 rpm	1 3/4", 1000 rpm	1 3/4" 1000 rpm	1 3/4" 1000 rpm
Optional	1 3/4", 1 3/8" 1000 rpm	1 3/4", 1 3/8" 1000 rpm	1 3/4", 1 3/8" 1000 rpm	1 3/4", 1 3/8" 1000 rpm
Optional	1 3/4", 1 3/8" 1000/540 rpm	1 3/4", 1 3/8" 1000/540 rpm	1 3/4", 1 3/8" 1000/540 rpm	1 3/4", 1 3/8" 1000/540
Hydraulics				
Optional MegaFlow™	70 (265)	70 (265)	70 (265)	70 (265)
3-Point Hitch				
Type	Cat IIIN / III	Cat IIIN / III	Cat IIIN/ III	Cat IIIN/ III
Standard lift capacity, lbs. (kg)	13,960 (6332)	13,960 (6332)	14,970 (6789)	15,970 (7301)
Optional lift capacity, lbs. (kg)	15,970 (7301)	15,970 (7301)	17,920 (8129)	17,920 (8129)
Convertible Quick Hitch	Standard	Standard	Standard	Standard
Axles				
Standard Front axle	FWD	FWD	FWD	FWD
Optional	SuperSteer™ FWD Terraglide™ FWD	SuperSteer™ FWD Terraglide™ FWD	SuperSteer™ FWD Terraglide™ FWD	SuperSteer™ FWD Terraglide™ FWD
Tread spacing adjustment, inches (mm)	60 to 88 (1524 to 2235)	60 to 88 (1524 to 2235)	60 to 88 (1524 to 2235)	60 to 88 (1524 to 2235)
Rear axle length, inches (mm)	120 (3050)	120 (3050)	120 (3050)	120 (3050)
Standard rear axle diameter, inches (mm)	4 (102)	4 (102)	4 (102)	4 (102)
Optional rear axle diameter, inches (mm)	NA	NA	4.5 (115)	4.5 (115)
Dimensions*				
Wheelbase, in (mm)				
FWD and Terraglide™ FWD	121.2 (3078)	121.2 (3078)	121.2 (3078)	121.2 (3078)
SuperSteer™ FWD	129.3 (3284)	129.3 (3284)	129.3 (3284)	129.3 (3284)
Width, in (mm)	120 (3050)	120 (3050)	120 (3050)	120 (3050)
Capacities				
Fuel tank, U.S. gal (L)	180 (682)	180 (682)	180 (682)	180 (682)

Model	TG215	TG245	TG275	TG305
Shipping Weight				
Standard FWD, lbs. (kg)***	19,752 (8959)	19,752 (8978)	20,370 (9240)	20,370 (9240)
TerraGlide FWD, lbs. (kg)***	20,552 (9322)	20,552 (9322)	21,170 (9603)	21,170 (9603)
SuperSteer FWD, lbs. (kg)***	20,145 (9138)	20,145 (9138)	20,617 (9352)	20,617 (9352)
Maximum Operating Weight				
TG Series II, lbs. (kg)	26,500 (12,000)	29,500 (13,400)	32,500 (14,770)	34,500 (15,680)

*25mph (40kph) capable with reduced engine speed in 19th gear for improved fuel economy during transport

**Tires used for measurements are 16.9R30 front and 20.8R42 rear

***Weight is based on tractor equipped with standard equipment, minimum fuel, no ballast, no operator, and single front wheel configuration

TG Series Turning Radius, ft (m)	Front Tire Size	Front Axle	Tread Setting, in (mm)							
			60 (1524)	64 (1626)	68 (1728)	72 (1829)	76 (1930)	80 (2032)	84 (2134)	88 (2235)
16.9R30 / 420/90R30		SuperSteer	19.4 (5.92)	16.7 (5.08)	16.8 (5.13)	17.0 (5.19)	17.2 (5.24)	17.3 (5.29)	17.5 (5.34)	17.7 (5.39)
		TD or TerraGlide	NA	24.5 (7.45)	21.3 (6.48)	19.5 (5.95)	17.8 (5.44)	16.6 (5.05)	16.7 (5.10)	16.9 (5.15)
14.9R34 / 380/85R34		SuperSteer	16.5 (5.03)	16.7 (5.08)	16.8 (5.13)	17.0 (5.19)	15.4 (4.69)	15.6 (4.75)	15.8 (4.81)	15.9 (4.84)
		STD or TerraGlide	37.2 (11.3)	22.1 (6.72)	19.3 (5.9)	17.7 (5.39)	17.1 (5.21)	17.3 (5.27)	16.7 (5.09)	16.9 (5.15)
12.4R34 / 320/85R34		SuperSteer	16.5 (5.03)	16.7 (5.09)	16.8 (5.12)	17.0 (5.19)	17.2 (5.24)	17.3 (5.27)	17.5 (5.33)	17.7 (5.39)
		STD or TerraGlide	21.9 (6.68)	17.8 (5.43)	16.8 (5.12)	16.2 (4.94)	16.4 (5.0)	16.6 (5.06)	16.7 (5.09)	16.9 (5.15)
12.4R38 / 320/85R38		SuperSteer	16.5 (5.03)	16.7 (5.08)	16.8 (5.13)	17.0 (5.19)	17.2 (5.24)	17.3 (5.29)	17.5 (5.34)	17.7 (5.39)
		STD or TerraGlide	26.6 (8.12)	21.1 (6.43)	17.9 (5.47)	17.7 (5.39)	17.1 (5.21)	16.6 (5.05)	16.7 (5.10)	16.9 (5.15)

Turning Radius is measured per SAE J695



TG Electronic Mirrors and Beacon Lights



TG Ballast

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

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