

# New Holland T8000 Series Tractors 175 to 270 PTO hp

T8010 T8020 T8030 T8040 T8050

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# Increased power. Innovative control.

## **NEW T8000 Series tractors handle the toughest applications and satisfy the most demanding operators.**

Push your productivity higher with the higher power, higher speeds and higher comfort of a New Holland T8000 Series tractor. Five models up to 270 PTO horsepower deliver incredible pulling power and Constant Engine Speed Control for maximum efficiency.

### **Hydraulic flexibility**

New Holland's best-in-class hydraulic flow is now even higher—44 gallons per minute (gpm) standard, and 75 gpm with the exclusive dual-circuit MegaFlow™ option. It's a high-volume system designed to easily handle the most advanced seeders and specialty equipment. Three-point hitch lift capacity is awesome, too—up to 18,590 pounds.

### **More speed choices**

Choose from four full powershift transmissions, each offering a minimum of 18 forward speeds, with eight of those speeds in the three- to eight-mph tillage range. That's more than you'll find on most tractors in this class. A new 19x4 transmission powershift option saves you time between jobs with a 31-mph (50-kph) transport speed.

### **More precision and control**

Performance instrumentation and the Custom Headland Management system, puts a wealth of information at your fingertips and provides push-button control of complex headland turns. And, every T8000 tractor leaves the factory ready to accept the optional IntelliSteer™ auto steering system. This state-of-the-art guidance system allows you to make



perfect rows every time, with an accuracy level as precise as +/- 1 inch (2.5 cm)! For even faster head-land turns, add the exclusive New Holland SuperSteer™ FWD axle to turn on a dime.

**Superior comfort and visibility**

The large, quiet T8000 Series cab keeps you and your operators performing at your best with more glass and 360-degree visibility. Eye-level instrumentation is easy to read at a glance and ergonomically placed to make operation effortless. The NEW Luxury cab option features the rich comfort of the leather AutoComfort™ heated seat.

Visit your New Holland dealer and feel the difference of the new T8000 Series tractors. Their comfort and power will push your productivity to a higher level.



| Model                            | T8010  | T8020  | T8030  | T8040  | T8050  |
|----------------------------------|--------|--------|--------|--------|--------|
| PTO hp                           | 175    | 200    | 225    | 255    | 270    |
| Hydraulic Flow Std./Opt., gpm    | 44/75  | 44/75  | 44/75  | 44/75  | 44/75  |
| 3-Point Lift Capacity, lbs       | 14,084 | 14,084 | 15,183 | 16,375 | 18,590 |
| Opt. 3-Point Lift Capacity, lbs. | 16,375 | 16,375 | 17,931 | 17,931 | N/A    |



# Fly through the tough stuff

**T8000 engines respond with an industry-leading power growth up to 44 horsepower.**



New T8000 Series tractors answer the call for increased power with engines that deliver up to 270 PTO horsepower and respond to difficult conditions with power that grows.

## **Up to 44 more horses when you need it**

Responding with a 56% PTO torque rise and an industry-leading power growth up to 44 horsepower, T8000 engines allow you to fly through heavy tillage, disking and

ripping jobs with power to spare. Six-cylinder, turbocharged New Holland engines feature large 8.3- and 9.0-liter displacement for longer engine life and a low, 2200-rpm rated speed for added reliability. The 9.0-liter engine in the top-of-the-line T8050 features a new piston and fuel injector design for increased power and fuel economy.

## **Gear up and throttle back**

The electronic common rail fuel system delivers faster response, and

allows you to gear up and throttle back to cover more acres, in less time, with less fuel. Electronic engine management also allows you to take advantage of automatic headland management functions and constant engine speed control. Not only can you increase your productivity during sensitive applications that require consistent speeds, like planting and spraying, you can also use this “cruise control” feature to save fuel during tillage operations. Set the constant



T8000 engines are approved for use with B100 biodiesel—a clean-burning farmer-grown fuel resource.



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.



Constant Engine Speed "cruise control" switches to your right allow you to maintain a constant speed and save fuel. It's one of the perks that comes with full-authority electronic engine management.

| Model           | T8010  | T8020  | T8030  | T8040  | T8050  |
|-----------------|--------|--------|--------|--------|--------|
| Displacement    | 8.3 L  | 8.3 L  | 8.3 L  | 8.3 L  | 9.0 L  |
| HP              | 215    | 245    | 275    | 305    | 320    |
| PTO HP          | 175    | 200    | 225    | 255    | 270    |
| Power Growth    | 33 hp  | 44 hp  | 33 hp  | 34 hp  | 33 hp  |
| Peak PTO Power  | 208 hp | 244 hp | 258 hp | 289 hp | 303 hp |
| PTO Torque Rise | 56%    | 56%    | 56%    | 49%    | 49%    |

engine speed to 2000 rpm—where horsepower and fuel economy are at their peak, with plentiful torque in reserve.

### Designed to save fuel

All five models feature the cross-flow, 24-valve head that keeps intake air cooler and more dense for greater oxygen delivery and increased fuel efficiency. The New Holland 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 better performance, improved low-end torque and reduced emissions. Thanks to this outstanding efficiency, and their large 180-gallon fuel capacity, T8000 tractors allow you to work continuously for up to 18 hours without refueling.

### On-the-go feedback

A Performance Instrument Cluster is standard equipment and provides

critical engine information. It also offers built-in protection by shutting down the tractor if engine or transmission temperatures or pressures get outside of normal operating range. Add the optional ground speed radar sensor, and the monitor reports detailed, real-time information like area covered, distance traveled, fuel consumption, percentage of wheel slip, percent of power used along with gallon per hour and gallon per acre information.

# Automatic shifting at its best



## Four 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 four. All are electronic, full powershift transmissions with straightline, forward-reverse shuttle shifting and smooth shift quality. You'll also enjoy up to 31-mph road travel speed and a host of automatic features that allow you to glide through the gears without the need to shift manually.



### Four choices

- The **18 x 4 powershift transmission** provides eight working speeds in the 3- to 8-mph tillage range, with a smooth speed change of approximately 14% between gears.
- The **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 slow 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 reduced-rpm powershift transmission** provides an overdrive gear, reducing engine speed for improved fuel savings during transport.
- A fourth choice — the **NEW 19 x 4, 31 mph/50 kph powershift transmission** provides up to 31-mph road travel speed at full throttle to get you from farm to field faster.

## Easy, natural operation

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.

## Shifts for you

With a push of the AutoShift button on the armrest console, the T8000 Series transmission converts to an automatic transmission. For

AutoRoad Operation, push the top side (Road) of the Auto button, select your start out gear (6-18), and you can operate the tractor using only the throttle. For Auto Field Operation, press the bottom side (Field) of Auto button when you are in field operating gear (1-14) and at an appropriate operating speed. The transmission will automatically maintain tractor performance based on engine speed and engine load. The transmission automatically downshifts when load increases, then returns to the selected gear when conditions improve. The

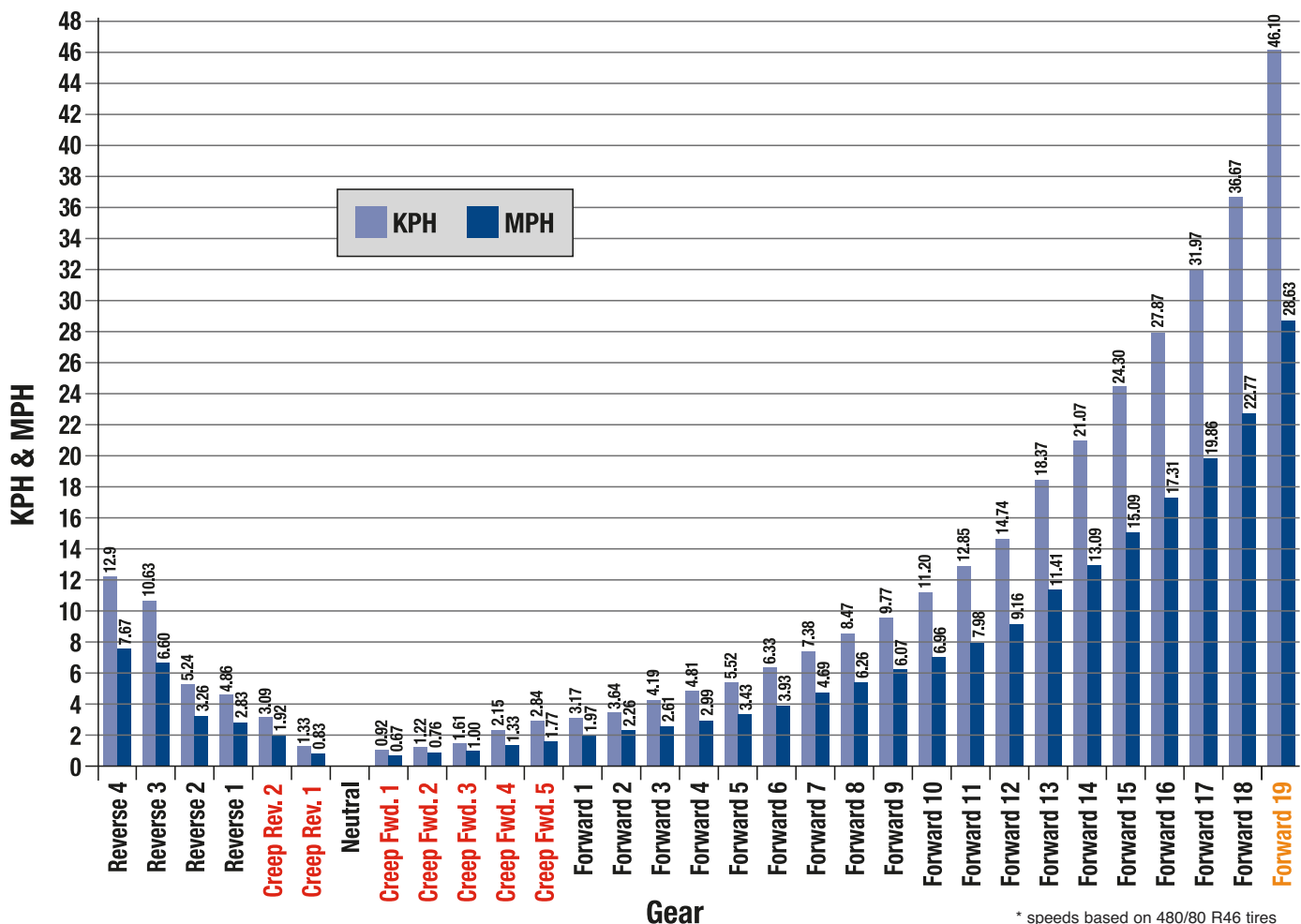


The Auto Shift icons appear on the instrument panel when the Auto Shift switch is depressed.

AutoShift feature can be used at the same time as the Constant Engine Speed feature, but does not function in creeper or reverse gears.



Switches are conveniently located on the right-hand armrest control console for A) Auto Shift, B) Front-wheel drive engagement, C) Automatic Diff Lock and D) Custom Headland Management.



\* speeds based on 480/80 R46 tires

The 23 x 6 creeper transmission adds five forward creeper speeds and two reverse speeds to the standard 18 x 4 transmission. The 19x4 transmission provides a fast 31-mph road speed.

# Designed to improve performance — even yours

## Unmatched space, visibility, comfort and control give you an advantage on the job.

The T8000 Series cab is designed around a basic principle: the better you feel, the better you perform.

### An awesome view

There's not a tractor cab in the industry that has more glass area than the T8000 Series cab—68.5 square feet. 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 is the front sunscreen. Optional equipment includes a right-side windshield

wiper, a right-side sunscreen and rear window sunscreen.

### Spacious comfort

The roomy T8000 cab features a best-in-class cab volume of 109.5 cubic feet so you can 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 in place of 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.

### The next step in luxury

Spend your work day in style in the optional luxury cab featuring a grey leather operator seat, leather instructor seat, leather-wrapped steering wheel, carpeted floor mat, and tinted rear window.

### Deluxe seating is standard

A deluxe air-suspension seat is standard equipment on all T8000 Series tractors. It fits your body



perfectly, moving front and back and providing adjustments for firmness, weight, height, swivel, lumbar support and fore/aft isolation. It cushions the bumps your fields dish out and includes an adjustable heat control. The heat cycles on and off during the day, providing a massaging effect to reduce fatigue.

### **AutoComfort™ Seat**

For the ultimate in riding comfort, the AutoComfort™ seat provides automatic dampening. It's standard with the luxury cab and is available on all T8000 models. 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. A new three-position sensitivity switch gives you even more control of the ride.



*Leather seating, a carpeted floor mat and tinted rear window are included with the luxury cab option.*

### **Armrest controls**

T8000 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.

### **New IntelliView™ Plus II monitor**

The new, color IntelliView™ Plus II display monitor is located on the right-hand window bar on models equipped with the IntelliSteer™ auto-steering system (see page 8 photo). In addition to providing a complete user interface for automatic DGPS Autoguidance, this monitor also gives you the versatility to interface with all corner post functions of the T8000 Series tractors. It also can be a monitor to control implements using the ISO 11783 engineering standard.

### **Stay connected**

The T8000 Series 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.

### **Automatic temperature control**

In a T8000 Series tractor, your comfort is maintained automatically so you can focus on the job at hand.

The Automatic Temperature Control System supplies heat or air conditioning to maintain the temperature you set. You can also control the system manually using controls on the right-side control panel. Temperature and fan speed are displayed in the corner post instrumentation.



*Use the Automatic Temperature Control feature to maintain the temperature you set, or you can control heat and air conditioning manually.*



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

# Clear, eye-level information

## Performance instrumentation is standard equipment to improve your on-the-job productivity.

T8000 Series tractors make it easy to keep your eyes on your work and on the instruments. Glance to the right corner 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, plus 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.

### Valuable performance information at your fingertips

T8000 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
- Custom 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 Performance Instrumentation.*



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

### Built-in protection

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.

### The brightest ideas in lighting

When your workload demands continuous operation, your T8000 Series 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. Adjusting the front cab roof lights requires no tools.

### 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, for the ultimate illumination, choose the 360-degree lighting package:

- 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.



# Focus on farming, not steering

**IntelliSteer™ auto steering system guides you to perfect rows every time.**



All T8000 tractors leave the New Holland factory ready to accommodate the optional IntelliSteer™ auto steering system. This state-of-the-art guidance system uses GPS technology that allows you to make near-perfect rows on every pass, with an accuracy level as precise as +/- 1 inch!

### Exceptional repeatability

The IntelliSteer system allows you to plant, spray or till using the same row positioning every time throughout the season. 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.

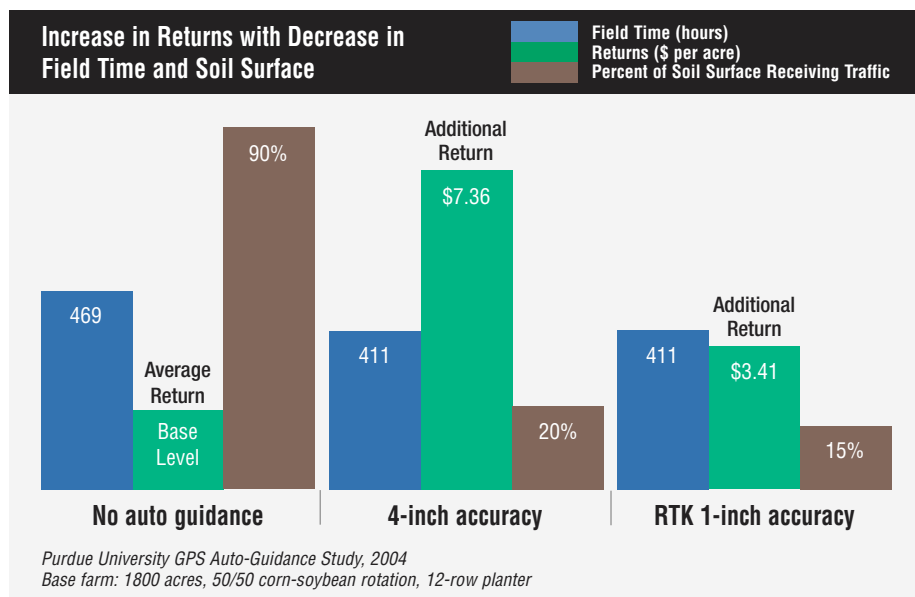
### Choose the accuracy level

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 XP (Differential GPS Extra Performance) provides accuracy from +/- 3 to 5 inches.
- IntelliSteer DGPS HP (Differential GPS High Performance) provides a higher level of accuracy in the +/- 2 - 4 inch range.
- IntelliSteer RTK (Real Time Kinematics) provides the highest level of accuracy, in the +/- 1 inch range.



Use the IntelliView™ Plus II color monitor located on the right-hand monitor bar to: control the IntelliSteer™ auto steering system; view and change the front corner post functions; operate ISO 11783 implements of any brand.



# Unprecedented hydraulic flow and flexibility

## The exclusive MegaFlow™ option gives you 75 gpm total flow with two separate circuits.

The T8000 hydraulic system delivers it all—unmatched flow, quick response and the flexibility to do a multitude of hydraulic functions simultaneously without sacrificing performance.

### 44 gpm to start

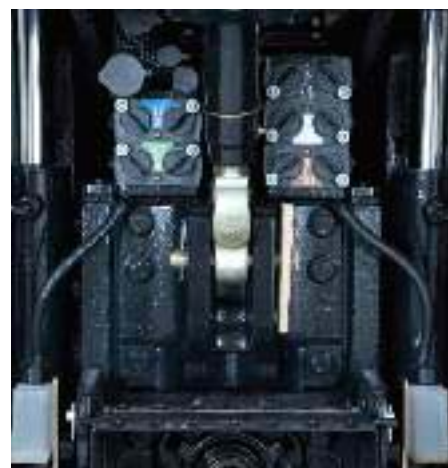
The heart of the New Holland system is a single, high-efficiency, closed-center, load-sensing (CCLS) variable-displacement piston pump. It provides an outstanding 44 gallons per minute (gpm) flow on demand to the three-point hitch, hydraulic remotes, steering and trailer brake systems (optional). The T8000 system provides full hydraulic flow when feathering so you can move implements into transport position fast.



*The in-cab hydraulic remote levers are color-coded to match the quick couplers so you can easily keep track of hydraulic operations.*

### Dual-circuit MegaFlow™ option

Only New Holland offers the MegaFlow™ system option that



allows you to operate the most advanced seeders, beet lifters and specialty equipment on the market. The MegaFlow system adds a 30-gpm independent CCLS piston pump to the standard system to increase total flow to a best-in-class 75 gallons per minute. 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 T8000 Series 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. The standard Performance Instrumentation gives you the convenience of individually programmable remote valve timers and a visual percent of flow readout from each valve.

#### **New area counter control with remote #1**

An area counter is now integrated with the number-one remote lever. When you raise or lower the implement, the counter is automatically activated and deactivated to provide an accurate measure of acres covered. There's no need for a remote status switch for towed implement opera-

tion. Just select EHR on the corner post instrumentation to activate this function.



*This 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.*



*Remote valve flow controls, master timer and secondary three-point hitch draft controls are located under the armrest.*

#### **Headland time saver Custom Headland Management**

Custom Headland Management is standard equipment on all T8000 tractors. It is a time-based program that memorizes 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, and three-point hitch fast-raise. 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. With the FWD and the differential lock switches both in automatic mode, the TerraLock feature (standard with IntelliSteer-ready Tractors) automatically engages and disengages these features. It disengages FWD and diff lock when the front axle reaches a certain angle, when you touch the brake pedal or when you raise a three-point implement.



# Three-point lift capacity up to 18,590 pounds

**Innovative hitch geometry improves lifting power, traction, control and stability.**



Get ready to harness the power of the largest implements on the market today. Standard lift capacity ranges from 14,084 pounds up to 18,590 pounds on the T8050. Add the increased lift option for a lift capacity from 16,375 to 17,931 pounds on other T8000 models. A category III/ III N adjustable quick hitch is standard equipment.

## **A unique design**

The geometry of the New Holland three-point hitch not only improves lift capacity, it actually improves the performance of the tractor overall. 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



*Fender switches for the three-point hitch and hydraulic top link provide convenient control from the ground.*

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

## **Armrest 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. Press the switch forward momentarily for Express Down, which allows the implement to drop at maximum speed and to the preset

working depth when you release the switch. This makes headland turns extra-fast.

### Draft control

Electronic Draft Control (EDC) is standard on all models. Fingertip controls are provided under the armrest. 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. It raises and lowers the hitch to maintain a slippage rate that you set.

### New hitch-ready option

T8000 tractors ordered as “hitch ready” allow you to add the three-point hitch back on at a later date if needed by you or a subsequent owner. On T8000 tractors, this process takes only four hours versus two



Hydraulic top link option allows for in-field adjustments and easier implement hook up.

days on previous models. All internal electrical and hydraulic controls are installed on the tractor, so your New Holland dealer just needs to add the external components.

### Optional hydraulic top link control

An optional, hydraulically controlled top link allows you to change the tilt of the implement on-the-go by simply utilizing one of the four or five remotes, depending on tractor configuration. A sliding scale position indicator gives you a quick visual reference for easier implement hook-up. Long ball-end lower links are optional on tractors equipped with the hydraulic top link to provide the increased tire clearance and hitch transport ground clearance needed with deep tillage implements.



A swinging drawbar is standard equipment, and a high-capacity, heavy-duty drawbar is optional for applications where extra-heavy upward and downward loads are expected, such as with front fold planters, liquid manure wagons and large grain carts. The auto-pin hammerstrap (shown above) automatically drops and latches the pin when you hook up to implements.

## 870TL Front-End Loader

It's an unbeatable team: your T8000 tractor with the 870TL front-end loader. This loader is compatible with every T8000 axle configuration. A lift height over 15 feet and lift capacity of 5,250 pounds allow you to move large loads of materials quickly and efficiently. Mechanical self-leveling is standard equipment, with the Soft Ride loader hydraulic suspension as optional. 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. Available attachments include grapple forks, bale forks, bale grip, silage bucket and forks, rock forks as well as standard, heavy-duty and light-duty bucket.

### 870TL Specifications and Dimensions

|                                                          |                                |
|----------------------------------------------------------|--------------------------------|
| Maximum lift height, in (mm)                             | 187 (4750)                     |
| Dump clearance, full height with bucket dumped, in (mm)  | 150 (3810)                     |
| Digging depth, in (mm)                                   | 6 (152)                        |
| Lift capacity at 31.5" from bucket pivot point, lb (kg)  | 5,250 (2,381)                  |
| Breakout force at 31.5" from bucket pivot point, lb (kg) | 7,000 (3175)                   |
| Reach at maximum lift, in (mm)                           | 35 (889)                       |
|                                                          | 65 (1651) with SuperSteer axle |
| Reach at ground level, in (mm)                           | 109 (2769)                     |
| Bucket rollback angle, degrees                           | 38                             |
| Bucket dump angle, degrees                               | 57 (58 with SuperSteer axle)   |

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.

# Exclusive SuperSteer™ or TerraGlide™ axle

## The tightest turns and the smoothest ride on the market make you more productive.

Equip your T8000 Series tractor with the front axle that best suits your needs. Choose from the standard FWD axle, the New Holland exclusive, tight-turning SuperSteer™ FWD axle or the TerraGlide™ FWD axle for smooth and precise traction.

### Perfect row-crop turns

The SuperSteer FWD axle option makes T8000 Series tractors the ultimate choice for row-crop work. That's because the SuperSteer axle gives you the tightest turn on the market with an amazing 16.5-foot turning radius (measured using 380/85 R34 front tires). Another bonus is the 129.3-inch wheelbase. It's the longest in the industry to give you a smoother ride.

### 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 three-point or "lightbulb" turns. With the SuperSteer axle, you simply make your turn at the headland saving you feet of travel, fuel consumption and the most important resource of all—your time.

### TerraGlide™ axle option provides a smoother ride and much more

Not only does the optional TerraGlide™ suspended FWD axle give you an ultra-smooth ride over the roughest ground, it also delivers added tractive effort for improved stability and control. 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 T8000's 31-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. In addition, front diff lock is standard with this axle.



### 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 T8000 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 a front three-point hitch.

### The heavy-duty standard FWD axle

The T8030, T8040 and T8050 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 T8010 and T8020, and is designed to carry a static front weight of 13,300 pounds. The 12-bolt hub is optional on the T8010 and T8020.

### Optional differential lock

For the added traction you need, or to deal with difficult or slippery conditions, equip your T8000 tractor with the electrohydraulic 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 TerraLock function switches in automatic mode.

*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.*



# Instant and complete service access

## One-point daily maintenance saves you time.

New Holland engineers designed T8000 Series tractors to save you time—both in the field and during maintenance. You can complete daily servicing at one central location, at



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

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.

### 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.



*New Holland coolers swing out for complete, unobstructed inspection, cleaning and servicing.*



**NEW HOLLAND TOP SERVICE<sup>SM</sup>**  
**866-NEW-HLND (866-639-4563)**  
**24/7 CUSTOMER SUPPORT**

## **BREAKDOWN ASSISTANCE ON T8000 SERIES TRACTORS**

We know the smooth operation of your business is critical to you, and that your time is valuable. The performance of your T8000 Series tractor is the key to it all. Breakdowns are costly and never welcome, so if unexpected problems happen, getting your T8000 Series tractor up and running is our top priority. You are what drives us to constantly improve the way we do business and the products we offer. While New Holland Top Service applies to all New Holland equipment, special benefits are available to owners of T8000 Series tractors, including Breakdown Assistance when the tractor is still within the warranty period.

*The standard front window step makes it easy to clean windows and reach the front wiper, front cab roof lights or top of the cab to install a GPS guidance receiver.*



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



*A handy toolbox is standard equipment and is conveniently located on the right side of the tractor.*



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

# Specifications

|                                       | T8010                             | T8020           | T8030           | T8040           | T8050           |
|---------------------------------------|-----------------------------------|-----------------|-----------------|-----------------|-----------------|
| ENGINE:                               |                                   |                 |                 |                 |                 |
| PTO hp (kW)                           | 175 (131)                         | 200 (149)       | 225 (168)       | 255 (190)       | 270 (201)       |
| PTO torque rise                       | 56%                               | 56%             | 56%             | 49%             | 49%             |
| PTO Power Growth, hp (kW)             | 33 (25)                           | 44 (33)         | 33 (25)         | 34 (25.3)       | 33 (25)         |
| TRANSMISSION                          |                                   |                 |                 |                 |                 |
| Standard                              | 18F/4R Power Shift                |                 |                 |                 |                 |
| Optional                              | *19F/4R Power Shift               |                 |                 |                 |                 |
| Optional                              | 23F/6R Power Shift                |                 |                 |                 |                 |
| Optional                              | 19F/4R 31 mph (50 kph)            |                 |                 |                 |                 |
| ELECTRICAL                            |                                   |                 |                 |                 |                 |
| Alternator                            | 150 amp, 12-volt/175 amp Optional |                 |                 |                 |                 |
| INDEPENDENT PTO                       |                                   |                 |                 |                 |                 |
| Standard                              | 1 3/4",1000 rpm                   |                 |                 |                 |                 |
| Optional                              | 1 3/4", 1 3/8" 1000 rpm           |                 |                 |                 |                 |
| Optional                              | 1 3/4", 1 3/8" 1000/540 rpm       |                 |                 |                 |                 |
| HYDRAULICS                            |                                   |                 |                 |                 |                 |
| Standard flow, gpm (l/min)            | 44 (166)                          |                 |                 |                 |                 |
| Optional MegaFlow™, gpm (l/min)       | 75 (282)                          |                 |                 |                 |                 |
| 3-POINT HITCH                         |                                   |                 |                 |                 |                 |
| Type                                  | Cat IIIN / III                    | Cat IIIN / III  | Cat IIIN / III  | Cat IIIN / III  | Cat IVN / III   |
| Standard lift capacity, lbs. (kg)     | 14,084 (6387)                     | 14,084 (6387)   | 15,183 (6885)   | 16,375 (7421)   | 18,590 (8432)   |
| Optional lift capacity, lbs. (kg)     | 16,375 (7421)                     | 16,375 (7421)   | 17,931 (8132)   | 17,931 (8132)   | NA              |
| AXLES                                 |                                   |                 |                 |                 |                 |
| Standard Front axle                   | FWD                               |                 |                 |                 |                 |
| Optional                              | SuperSteer™ FWD                   |                 |                 |                 |                 |
|                                       | Terraglide™ FWD                   |                 |                 |                 |                 |
| Tread spacing adjustment, in. (mm)    | 60 to 88 (1524 to 2235)           |                 |                 |                 |                 |
| Rear axle length, in. (mm)            | 120 (3050)                        |                 |                 |                 |                 |
| Standard rear axle diameter, in. (mm) | 4 (102)                           | 4 (102)         | 4 (102)         | 4 (102)         | 4.5 (115)       |
| Optional rear axle diameter, in. (mm) | NA                                | NA              | 4.5 (115)       | 4.5 (115)       | NA              |
| DIMENSIONS*                           |                                   |                 |                 |                 |                 |
| Wheelbase, in. (mm)                   |                                   |                 |                 |                 |                 |
| FWD and Terraglide™ FWD               | 121.2 (3078)                      |                 |                 |                 |                 |
| SuperSteer™ FWD                       | 129.3 (3284)                      |                 |                 |                 |                 |
| Width, in. (mm)                       | 120 (3050)                        |                 |                 |                 |                 |
| CAPACITIES                            |                                   |                 |                 |                 |                 |
| Fuel tank, U.S. gal (L)               | 180 (682)                         |                 |                 |                 |                 |
| SHIPPING WEIGHT                       |                                   |                 |                 |                 |                 |
| Standard FWD, lbs. (kg)***            | 19,752 (8959)                     | 19,752 (8978)   | 20,370 (9240)   | 20,370 (9240)   | 20,370 (9240)   |
| TerraGlide FWD, lbs. (kg)***          | 20,552 (9322)                     | 20,552 (9322)   | 21,170 (9603)   | 21,170 (9603)   | 21,170 (9603)   |
| SuperSteer FWD, lbs. (kg)***          | 20,145 (9138)                     | 20,145 (9138)   | 20,617 (9352)   | 20,617 (9352)   | 20,617 (9352)   |
| MAXIMUM OPERATING WEIGHT              |                                   |                 |                 |                 |                 |
| T8000 Series, lbs. (kg)               | 26,500 (12,000)                   | 29,500 (13,400) | 32,500 (14,770) | 34,500 (15,680) | 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



*Electronic Mirrors and Beacon Lights*



*Ballast*



*Hydraulic Trailer brake option and plug to control ISO 11783 implements of any brand*



*Electronic Mirror adjustment*



*AM/FM CD Radio*



*MP3 input jack*



# Value, Service and Solutions

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*We are proud to support the FFA.*

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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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