



*Sustainable Efficient Technology*



# EFFICIENT, PRODUCTIVE HIGH-HORSEPOWER TRACTORS

**ECOBleue™ Hi-eSCR TIER 4B SOLUTION | PRECISION LAND MANAGEMENT | T7 SERIES | GENESIS® T8 SERIES | T9 SERIES**



# Respecting our environment

New Holland is committed to providing our customers with ingenious solutions that make agriculture more efficient, while respecting the environment. This is consistent with New Holland's Clean Energy Leader position. We pioneered the use of biodiesel in agricultural machinery back in 2006, and we are currently looking at the most advanced technologies. New Holland is constantly exploring ways to reach zero engine emissions.



## EFFICIENT EMISSIONS SOLUTION

The first Tier 1 emissions standards were set in 1996 by the Environmental Protection Agency (EPA) in the United States, (CEPA) in Canada and by the (EU) in Europe. The primary focus was the reduction of Nitrogen Oxide (NOx) and Particulate Matter (PM). Aggressive standards have continued to be implemented since this time to reduce the amount of these pollutants being released into the atmosphere. The latest emissions standard are known as Tier 4, which have been implemented in a two prong approach, Tier 4A and Tier 4B, which starts in 2014. Since the introduction of these stringent regulations in 1996, Nitrogen Oxide (NOx) and Particulate Matter (PM) have been reduced by 95%.

Traditionally there have been two different engine solutions for meeting the Tier 4 regulations, SCR, or Selective Catalytic Reduction, and CEGR, or Cooled Exhaust Gas Recirculation. The fundamental difference between SCR and CEGR is that SCR controls the PM internally by allowing the engine to run as efficiently as possible, then converting the NOx outside the engine to nitrogen and water by treating it with urea (or DEF). CEGR, on the other hand, reduces NOx inside the engine by reducing combustion temperatures. However, this reduction produces more PM, which must then be filtered out externally by a particulate filter.

SCR is an after-treatment system that is separate from the main engine function and does not compromise horsepower or torque. It does not interfere with engine's performance, but actually improves it. Exhaust gas is NOT recirculated through the engine and it does not require regeneration of particulate filters, which can compromise efficiency. SCR technology is the best approach for larger, higher-horsepower agricultural power products, especially when considering the importance of fuel efficiency and maintenance costs.

## POWERED BY FPT INDUSTRIAL

New Holland is not going it alone when it comes to Tier 4 technology. They can draw on the experience of their in-house engine development group: FPT Industrial.

**Pioneers:** Fiat invented Common Rail technology in the 1980s. They were the very first to introduce it on agricultural machines on the TS-A tractor. Pioneering. Always.

**Cleaner:** Fiat Industrial has topped the Dow Jones Sustainability World and Europe indexes for the Industrial Engineering sector for two consecutive years.

**Proven:** FPT Industrial has pioneered SCR technology since 1995 and has already produced over 350,000 SCR engines during the last six years for the agricultural, construction and trucking industries. The award-winning Hi-eSCR solution has been extensively tested and has clinched numerous awards.





## ECOBlue™ HI-eSCR

### ECOBlue™ HI-eSCR ENGINE TECHNOLOGY

New Holland high horsepower tractors are powered by ECOBlue™ HI-eSCR, Selective Catalytic Reduction, engines, which are designed and developed in house by FPT Industrial. As part of the Clean Energy Leader strategy, our proven high efficiency SCR technology uses AdBlue® Diesel Exhaust Fluid (DEF) to transform the harmful nitrogen oxides contained in the exhaust gas into harmless water and nitrogen. This after-treatment system is separate from the main engine which means only clean, fresh air is fed into the engine. What does this mean? Clean-running power units that offer improved performance, greater reactivity and enhanced fuel efficiency.

These engines, which comply with the even more stringent Tier 4B emissions norms, offer you four key benefits:

**Performance:** Continues to provide industry leading power, torque, transient response and Engine Power Management. The ECOBlue™ Hi-eSCR after treatment system enables the engine to breath clean, fresh air, therefor optimizing it's combustion, power and torque density.

**Efficient operation:** ECOBlue™ HI-eSCR is an after treatment system that does not interfere, or restrict, the engine's performance, enabling it to maximize its efficiency and power. Total fluid consumption will be the same or better from equivalent Tier 4A machines, and our system enables New Holland to continue leading the industry with 600 hour service intervals.

**Simplicity:** A single system solution with less complexity. Since no exhaust gas is recirculated through the engine, no additional cooling requirements are needed, allowing the engine to operate at peak efficiency, while optimizing power and torque.

**Consistency:** Uses proven technology with more than 35,000 machines working around the world, and requires no change in tractor operation from Tier 4A.



# Welcome to the world of PLM™

Precision technologies are revolutionizing agriculture. These technologies are being used more and more by producers to reduce input cost, improve yields, and increase efficiencies. New Holland's Precision Land Management (PLM™) continues to offer leading edge solutions for managing all of your crop production needs. Steer your equipment with industry-leading accuracy using PLM guidance solutions. Control rate and flow applications of mixed fleets of implements, optimize water usage with PLM water management, use PLM Connect Telematics to stay connected with your machines and streamline field data into informed decisions using PLM software. With PLM, customize the solutions that best fit your needs



## PLM™ GUIDANCE AND DISPLAYS

New Holland PLM™ offers a wide range of auto guidance solutions, from lightbar systems to assisted steering systems, to fully integrated auto guidance that can deliver down to sub inch repeatable accuracy. Choose from a range of correction signals to best match your accuracy needs. Select from a variety of field patterns using your PLM display to match any shape field. PLM offers guidance solutions for nearly every application, maximizing efficiencies and productivity.



## PLM™ CROP MANAGEMENT SOLUTIONS

Reduce your input cost, maximize your yields, and get the most of every square inch in your field using PLM™ crop management solutions. PLM™ IntelliRate™ Control eliminates double application of seed and fertilizer. It automatically shuts on and off individual planter sections, monitors and records planter population and controls rate and flow of materials in seeding, spraying and fertilizer applications to manage variability in your fields. It allows you to utilize as-applied mapping to track the performances of different varieties and hybrids. You can also optimize water usage, control field erosion and remove excess water for better crop quality and improved yield performance with PLM™ water management solutions.



## PLM™ DATA MANAGEMENT SOLUTIONS

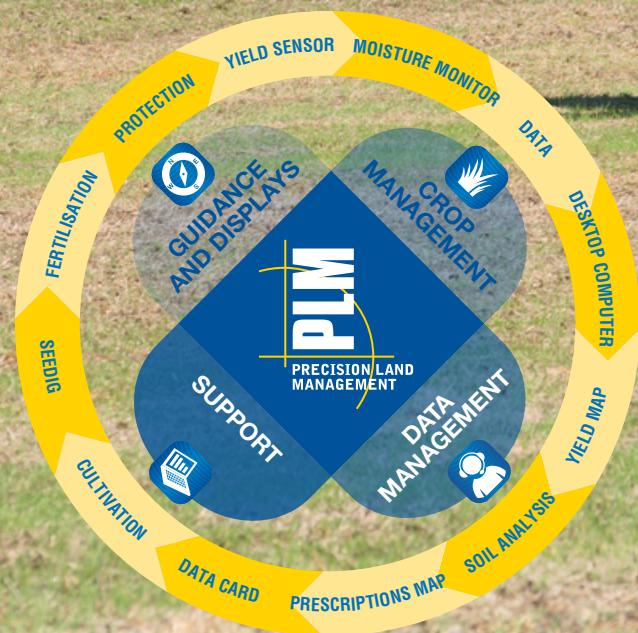
Use PLM™ Connect telematics to stay connected with your machines, monitor vehicle performance and track equipment locations, lowering operating cost, minimizing equipment downtime and increasing fleet productivity. PLM™ desktop software offers a complete range of farm office solutions for transforming field data into informed decisions that help improve yield potential, efficiencies and bottom-line profits. Select from 5 different software packages, enabling you to customize a solution that best fits your operation.



## PLM™ SUPPORT

At New Holland, we know that our products and technology solutions are only as good as our support. New Holland's certified PLM™ dealers are trained with specialists that provide top-quality service and support. The new PLM™ Customer Support Line is available 24 hours a day through New Holland Top Service, with highly trained operators to resolve any potential issues. Enroll in the PLM™ Academy to access quick reference tutorials or take training courses to learn more about precision technologies and PLM™ product features that will help you maximize the value of your investment.





### INTELLIVIEW™ IV 10.4" COLOR TOUCHSCREEN DISPLAY

Simplify your multiple cab displays to one: the IntelliView IV display. The IntelliView IV display not only controls key New Holland tractor functions, it also runs precision applications, such as auto guidance, mapping and can control mixed fleets of implements, all using a single, easy-to-use, large color touchscreen display.





## T7 SERIES TRACTORS

# Maximum versatility and the superior power and efficiency you expect from New Holland.

The seven-model T7 Series line-up provides a choice of engine power, hydraulic options and transmission choices for every application. An exceptional power-to-weight ratio gives these tractors exceptional versatility.



## NEW FEATURES

### INCREASED PERFORMANCE AND VERSATILITY

- T7 Series tractors with Tier 4B engines now boast higher rated engine horsepower to further improve performance, and every T7 series tractor comes standard with Engine Power Management, which provides additional horsepower in reserve, for optimizing productivity.
- With Engine Power Management (EPM) now available in reverse, you can receive additional boosted power in both forward and reverse, T7 tractors do it all - from tillage to spraying, baling hay to transport, snow blowing to loader work.
- Refined Custom Headland Management system reduces the fatigue of repeated adjustments and is now even easier to use and offers the potential for advanced modification.

### STILL THE MOST COMFORTABLE SEAT ON THE FARM

- The Horizon™ cab is still the smoothest, quietest (69 decibels), most spacious cab in the business.
- The IntelliView™ IV 10.4-inch touchscreen display provides a single interface for fingertip adjustments of key tractor settings and precision applications such as IntelliSteer auto guidance, mapping and implement control.
- Choice of seat—the deluxe air-suspension seat, the heated, semi-active AutoComfort™ seat or the full leather option.
- The CommandGrip™ multi-function handle features backlighting, improved feel, and the thumb wheel allows you to adjust CVT target speed for more convenient operation.



#### CONTINUED EASE OF SERVICE

- The continued 600-hour engine service interval means T7 tractors still set the standard for simple, less time-consuming maintenance.
- Single-piece engine hood and easy access to all service points



- Versatility around farm and field
- Choice of transmissions:  
Range Command™ semi-powershift,  
Power Command™ full powershift or  
Auto Command™ CVT transmission
- SuperSteer™ Front Axle
- High-Visibility Horizon™ Cab
- SideWinder™ II Armrest
- Available fully integrated, factory-fitted  
front 3-point hitch and PTO



#### T7 Series Tier 4B

Model	PTO HP	Rated Power	Max Power with EPM
T7.175	110	140	175
T7.190	120	150	190
T7.210	135	165	210
T7.230	150	180	230
T7.245	170	200	245
T7.260	190	220	260
T7.270	210	240	270

#### T7 Series Tier 4A

Model	PTO HP	Rated Power	Max Power with EPM
T7.170	100	125	171
T7.185	115	140	188
T7.200	130	155	203
T7.210	140	165	212
T7.220	135	167	218
T7.235	150	185	234
T7.250	165	200	250
T7.260	180	215	260
T7.270	195	228	269



## GENESIS® T8 SERIES TRACTORS

# Now, everything is possible.

Power, fuel efficiency, stability and maneuverability are all rolled into this one-of-a-kind tractor line. There's no need to compromise when you own a GENESIS® T8 Series tractor. The GENESIS T8 is the best choice for farmers and custom operators alike, with unique features that make operators and your operation more productive.



## NEW FEATURES

### INCREASED PERFORMANCE

- Improved Engine Power Management curve with T4B engines for increased hydraulic, PTO, and transport operations (T8.435 EPM maintained at maximum).
- Choice of transmissions includes the most powerful full-powershift transmission in the business or the Auto Command™ CVT transmission for ease of use and infinite speed changes.

### STILL THE SMOOTHEST, QUIETEST, MOST SPACIOUS CAB, NOW WITH ADDED COMFORT AND CONVENIENCE

- Instructor seat is standard equipment.
- Ventilated leather operator seat comes with the Deluxe Performance Cab package.
- IntelliView™ IV is standard equipment on the armrest for precision farming applications, guidance and implement control all on this single, state-of-the-art monitor.
- CommandGrip™ multi-function handle features backlighting and improved feel. The thumb wheel utilized in the Auto Command transmission is also included with full powershift models to allow for easy adjustment of Ground Speed Management (GSM) target speed.
- Electronic rearview mirror option has split view mirrors for a close view.

### NO-HASSLE MAINTENANCE, NOW EVEN BETTER

- Right-hand steps with grabrail provide convenient access
- Larger diesel tanks (full powershift: 179/+11 gallons and CVT: 163/+11 gallons) with locking diesel cap and larger DEF tanks (26/+3 gallons) for less down time
- Larger SCR canister required for T4B emissions standards is positioned low to maintain best-in-class, 360-degree visibility
- Toolbox, air intake and air filter moved to convenient locations on the left side of the tractor
- Battery disconnect switch moved to the top of the steps on the right side of tractor

- Longest Wheelbase
- Sharpest Turning
- SideWinder™ II Armrest
- Quietest Cab (68 dBA)



### GENESIS T8 Series Tier 4B

Model	PTO HP	Rated Engine	EPM HP
T8.320	205	250	320
T8.350	235	280	351
T8.380	265	311	382
T8.410	290	340	409
T8.435	315	380	435

### GENESIS T8 Series Tier 4A

Model	PTO HP	Rated Engine	EPM HP
T8.275	195	235	275
T8.300	215	256	300
T8.330	240	284	330
T8.360	265	311	360
T8.390	290	339	390
T8.420	305	367	420



## T9 SERIES TRACTORS

Command the power of up to 682 horses in ultimate comfort.

Extreme levels of engine and hydraulic power are housed in a chassis to match your operational needs. You and your operators command this power from the quietest, most comfortable cab in the business that now features even more luxury.



## NEW FEATURES

### INCREASED PERFORMANCE WITH LOWER OPERATING COSTS

- The new seven-model line-up includes four standard-frame (36-inch) models that are row-crop ready, and three wide-frame (44-inch) models packed in a balanced chassis to deliver more power to the ground for productive broad-acre work.
- Improved Engine Power Management curve with T4B engines delivers up to 64 additional horsepower for demanding hydraulic, PTO, and transport operations.
- SmartTrax™ II High Idler Track Option is available on the T9.600, T9.645, and T9.700.

### OPERATE FROM THE HEART OF LUXURY

- IntelliView™ IV display is standard equipment on the SideWinder™ II armrest for precision farming applications, guidance and implement control in single, state-of-the-art monitor.
- Ventilated leather operator seat with Luxury Performance Cab package.
- CommandGrip™ multi-function handle features backlighting, improved feel and a thumb wheel that allows you to precisely modify the target Ground Speed Management speed.

### CONTINUED BEST-IN-CLASS SERVICEABILITY AND DURABILITY

- Battery shutoff is now standard for convenience.
- Grill protection plate available as a low-cost alternative to front bumper for tow cable option.
- Tri-Point chassis provides exceptional strength and well-balanced weight transfer.
- Continued long, 600-hour service intervals and easy access to all service points.

- Fully Suspended Cab: Comfort Ride™
- Broad Range of Models
- SmartTrax™ Options
- SideWinder™ II Armrest





### T9 Series Tier 4B

Model	Rated Engine	EPM HP
T9.435	370	429
T9.480	420	462
T9.530	470	517
T9.565	500	550
T9.600	535	605
T9.645	580	638
T9.700	620	682

### T9 Series Tier 4A

Model	Rated Engine	EPM HP
T9.390	350	390
T9.450	400	446
T9.505	450	502
T9.560	500	557
T9.615	535	613
T9.670	600	669

### NEW SmartTrax™ II HIGH IDLER TRACK OPTION

- Lower price for more affordability
- Longer module warranty (3 years) for peace of mind
- Unique high idler design moves easily over field debris without berming
- Total surface contact—11,200 square inches—for increased traction and reduced ground pressure

Changes	SmartTrax	SmartTrax II
<b>Tension System</b>	Cylinder with Dual Accumulators	Integrated Cylinder/Accumulator
<b>Pressure Gauge</b>	Dry 1" indicator gauge	Liquid Filler 1.5" Pressure gauge
<b>Wheel Hubs</b>	Two sizes of hubs, bearings, & seals in 6 Idler & 4 Bogie hubs	10 - Heavy Duty hubs: common hubs, bearings, & seals
<b>Wheel Retention</b>	Pressed 16mm studs with washers & nuts	Treaded hubs with bosses using 20mm cap screws/ washers
<b>Module Weight (4)</b>	6,620 lbs	6,283 lbs
<b>Paint</b>	No paint inside of center spindle, No paint on adapter plate, some unplated hardware	Improved appearance: Center spindle and adapter plate painted, all hardware zinc plated
<b>Warranty (no change on belt)</b>	2 year	3 year

# Your guide to Diesel exhaust fluid / AdBlue



## AdBlue®

### WILL I BE ABLE TO FIND DEF/ADBLUE EASILY?

The answer is yes! It will be available on your doorstep, through CNH Parts & Service; just contact your local dealer for more information. If that wasn't enough, DEF/AdBlue can even be delivered direct to your farm for absolute convenience.

### WHAT DOES DEF/ADBLUE MEAN FOR ME?

It means you'll have a more efficient machine with virtually no effort on your part. How? The DEF/AdBlue system offers the ultimate in easy operation: you can fill up with DEF/AdBlue at the same time as diesel as the tanks are right next to each other.

### WHAT DOES DEF/ADBLUE MEAN FOR MY MACHINE?

Adding DEF/AdBlue is contained within the separate after treatment system, which means power generation remains at the impressive levels you've come to expect of New Holland.

### SAVING FUEL, REDUCES YOUR CARBON FOOTPRINT

Emissions released from burning diesel are a significant contributor to farms' overall carbon footprints. The ECOBlue™ Hi-e SCR system technology for Tier 4B compliance reduces NOx emissions and fuel consumption by up to 10% when compared with Tier 3 models, bringing about a substantial cut in your farm's carbon emissions. Visit [www.carbonid.newholland.com](http://www.carbonid.newholland.com) to find out just how much carbon you could save!



Learn more at [www.newholland.com/na](http://www.newholland.com/na)

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

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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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