

T7 SERIES

T7.190 | T7.210 | T7.230 | T7.245

T7.260 | T7.270 | T7.290 | T7.315



8 models packed with power, versatility, comfort and efficiency.

Introducing the most versatile tractors on the market—the next-generation T7 Series tractors. These tractors advance forward with unrivaled power, comfort, performance and precision. T7 tractors are versatile, expertly handling the field work of row-crop and mixed farming operations, as well as tough hauling, transport and utility chores.



Powerful advantages for any operation

Eight T7 models range from 150 to 300 engine horsepower, and all boast New Holland's cutting-edge and award-winning ECOBlue™ Hi-eSCR 2 (High-Efficiency Selective Catalytic Reduction) engine technology that optimizes torque, power and efficiency. In short, the T7 Series give you the cleaner power demanded by Stage V emissions compliance while maintaining the performance advantages you've come to expect from the T7 Series line.



Superior comfort and visibility

Best in class lighting packages, upgraded seat options, Comfort Ride™ cab suspension and innovative easy-to-use controls improve operator comfort and productivity.



Precise control and reduced operating costs

Innovative New Holland technology options such as IntelliSteer™ auto guidance, PLM™ Connect and IntelliCruise™ tractor/baler automation help maximize your profits. T7 tractors also increase your return on investment with excellent fuel economy and greater uptime. To that end, the T7's engine oil interval is extended by 25%, from 600 hours to 750 hours.



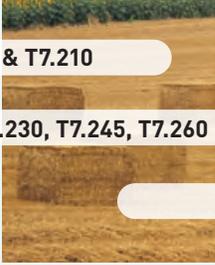
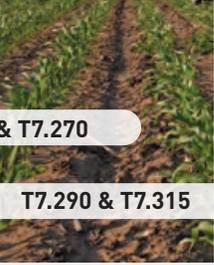
Even more versatility

The eight-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. Add the optional fully integrated front three-point hitch and you have even more flexibility to power implements on front or back. T7 tractors do it all – from tillage to spraying, baling hay to transport, snow blowing to loader work.

Model	PTO HP	Rated Power	Max HP	Max EPM HP
T7.190	125	150	165	190
T7.210	141	165	180	210
T7.230	150	180	200	225
T7.245	170	200	220	245
T7.260	190	220	240	260
T7.270	210	240	260	270
T7.290	240	270	290	–
T7.315	267	300	313	–



The versatility to handle the jobs on your list

DAIRY & LIVESTOCK	HAY & FORAGE	ROW CROP	TRANSPORT
 T7.190 & T7.210	 T7.230, T7.245, T7.260 & T7.270	 T7.290 & T7.315	

- Front Loading
- Mowing
- Feed Mixing
- Bale Moving
- Manure Spreading

- Front Loading
- Mowing
- Baling Hay
- Bale Moving

- Planting
- Seeding
- Tillage
- Pulling Grain Cart

- Hauling Manure Tankers or Large Wagons



T7



*Blue*Power / *Un-limited edition.*

Select T7 Auto Command™ models offer an exclusive Blue Power styling option. Blue Power is a distinctive midnight blue color, with silver wheels and chrome-colored grilles. Blue Power models also benefit from luxury cab features and the industry-leading Auto Command™ CVT for precise speed control and smooth operation.

Big chore versatility and power.

Ranging from 150 to 165 horsepower, the T7.190 and T7.210 are built tough to handle big chores, and comfortable to allow you to work at your best. They're ideal for mixed farming and livestock operations, providing the all-around workhorse you need for loading, haymaking, mixing feed and spreading manure.

Big on comfort too

Step into the Horizon™ cab and experience all-around visibility, cushioned comfort and an exceptionally quiet work environment. The high-visibility roof is perfect for loader work and keeping an eye on overhead loads. You will also notice the smooth, cushioned ride the Comfort seats with advanced suspension systems provide, along with the Horizon cab's suspension system. The combination helps you feel less fatigued and more productive during those long work days.

A transmission to match your needs

Equip your T7 to suit your applications. Choose New Holland's award-winning Auto Command™ continuously variable transmission (CVT) or Power Command™ powershift transmission. Both transmissions are available with the standard 25-mph transport speed, or the optional Fast Mover 31-mph transport speed. Power Command models also offer an Economy version that delivers 25 mph at a reduced engine speed to save fuel.





Hydraulic power and versatility

Whether you are using the remote valves, the three-point hitch or the optional front loader, hydraulic power is there when you need it. You get 29.8 gallons per minute (gpm) flow if you have a Power Command powershift transmission, or 37 gpm if your tractor is equipped with Auto Command™ CVT. For the most demanding hydraulic applications, choose the 42-gpm option. The Classic T7 armrest offers up to four deluxe mechanical rear remote valves, while the SideWinder™ II armrest provides you with up to five electro-hydraulic rear remotes which provide individual flow control. All models offer up to three mid-mount remotes.

Your ideal loading partner

There's a New Holland loader designed specifically for each T7 Series tractor. The 855TL loader is designed specifically for the T7.190 and T7.210. From the operator's seat, visibility to the loader is excellent both when the loader is at ground level and when raised progressively to its full lift height—all thanks to the optional T7 high-visibility roof panel. This, along with the T7's easy shuttle operation, helps you achieve maximum productivity and faster cycle times.



Front Loader Specifications		855TL
Loader type		Mechanical self-leveling
Tractor models		T7.190, T7.210
Capacity Measured per ASAE S301.3		
Lift capacity to max. height @ 800 mm	lbs.	5,522
Breakout force @ 800 mm	lbs.	5,742
Max. lift height	in.	165
Dump clearance	in.	127
Reach at max. lift	in.	31.5
Bucket dump angle	degrees	52
Reach @ ground level	in.	108.4
Bucket rollback angle	degrees	44
Digging depth	in.	6.3

NOTE: Loader specifications may vary based on tractor model, tire size, etc.

Powerful advantages for any operation.

Take command in row-crop and large hay operations. **Ranging from 180 to 240 horsepower, the T7.230, T7.245, T7.260, T7.270** tractors are equally at home in hay fields, livestock or row crop applications. Put them to the test in field and pasture with large rotary cutters or mower-conditioners and making and moving large bales. They also excel in non-PTO applications and handle your tillage and planting work and hauling applications like transporting with heavy grain carts.



Closed-center load-sensing hydraulics

Hydraulic efficiency and performance are a critical part of T7 Series tractor design. The 180 to 240-horsepower models are fitted with a hydraulic pump that delivers 32 gallons per minute (gpm) on tractors equipped with the Power Command transmission, or a 39.5-gpm pump for tractors equipped with the Auto Command™ CVT. For even more hydraulic flow, choose the high-capacity option for an increase to 39.5 gpm (45 gpm with Auto Command CVT).

As many remotes as you need

All T7 models fitted with the Classic armrest boast up to four deluxe mechanical rear remote valves, while models equipped with the SideWinder™ II armrest (standard on the T7.270) benefit from up to five electro-hydraulic rear remotes. All models in the T7 range offer up to three mid-mount valve functions.



Loader ready

These New Holland T7 Series tractors have the increased horsepower and beefy construction for the heavy workload of large dairies and livestock operations—and that means moving heavy loads—large bales, big loads of feed, and plenty of manure. The New Holland 865TL front loader is ready to handle these tough and dirty jobs. Add the high-visibility roof panel option and you have the perfect overhead view as you lift and stack loads.

Front Loader Specifications	865TL	
Loader type	Mechanical self-leveling	
Tractor models	T7.230, T7.245, T7.260, T7.270	
Capacity Measured per ASAE S301.3		
Lift capacity to max. height @ 800 mm	lbs.	4,774
Breakout force @ 800 mm	lbs.	5,434
Max. lift height	in.	177
Dump clearance	in.	139
Reach at max. lift	in.	32.3
Bucket dump angle	degrees	53
Reach @ ground level	in.	113.1
Bucket rollback angle	degrees	43
Digging depth	in.	6.3

NOTE: Loader specifications may vary based on tractor model, tire size, etc.

What speed do you need?

These models are available with the innovative Auto Command™ continuously variable transmission (CVT) (standard on the T7.270) with 25-mph or 31-mph transport speed. Or, choose the Power Command™ powershift transmission. This transmission is also available with a 25-mph or 31-mph transport speed, as well as an Economy version that delivers 25 mph at a reduced engine speed for added fuel savings.



High-powered performance with unmatched versatility.



The T7 Series is moving up in power with two models: the T7.290 and T7.315. They are the perfect fit for farming operations that need the power of a large-frame tractor, but the versatility of a medium-frame tractor. Powered at 270 and 300 engine HP, they are built to handle heavy-duty hauling and pulling jobs, easily take on tillage tasks, run 12- and 16-row planters, bale hay and more.



Precise power and speed control

These models give you industry-leading torque rise and responsiveness with ECOBlue™ Hi-eSCR 2 engine technology and smooth efficiency from the multi-award-winning Auto Command™ continuously variable transmission (CVT). Auto Command is available with a 25- or 31-mph transport speed, and both feature Active StopStart which prevents rolling forward or backward after you come to a stop, even with a heavy load.



Maximizing productivity and efficiency

With up to 58 gallons per minute (gpm) hydraulic flow and up to five electro-hydraulic rear remotes, the T7.290 and T7.315 handle heavy and high-demand implements. Their versatility makes them ideal for operating a 12-16 row planter, air seeder or New Holland BigBaler.

These models are also equipped with a 540/540E/1000/1000E shiftable rear PTO system as standard equipment. Being able to select the economy PTO modes means better efficiency and fuel economy when operating in lighter conditions. An optional 1000/1000E shiftable front PTO system is also available.

An ultra-smooth ride

Comfort Ride™ cab suspension and the heavy-duty front axle with saddle suspension are standard on these models to assure added stability and ride cushioning. Optional Anti-Lock Braking System (ABS) and tire pressure monitoring system make them an ideal choice for hauling heavy loads. Choose from rear flange or bar axle options, with available front and rear dual wheels.

Tire pressure monitoring system

Proper tire pressure can have a big impact on tractor performance and fuel economy, yet checking for proper inflation is rarely part of a daily routine. Incorrect tire pressure can lead to slippage, rolling resistance or uncomfortable bouncing and vibration.

The T7's integrated IntelliView™ IV display allows you to monitor both tractor and implement tire pressures. The system uses a specialized valve cap to wirelessly transmit the information to the tractor display and provides a warning if the tire pressure value moves outside of your predefined threshold level. It is a simple, easy-to-use tool that can have a major impact on improving fuel economy, ride quality and overall efficiency.



Revolutionizing baling efficiency with Intellicruise™ automation.

Most fields have varying crop yields, and the resulting inconsistent swaths make it difficult to maintain a constant feed rate when baling. New Holland's ISOBUS Class 3 IntelliCruise Tractor/Baler Automation can make the adjustments for you!

IntelliCruise™ tractor/baler automation

IntelliCruise automatically matches the tractor's forward speed to crop load at the BigBaler. A charge sensor on the BigBaler's stuffer continually monitors the bale charges, or slices, delivered to the bale chamber. The system measures the demand placed on the baler and adjust the tractor's forward speed for optimal crop feeding. In areas with lighter crop, forward speed automatically increases so you consistently work at the capacity you specify. Using the IntelliCruise system results in:

- Dramatic reduction of operator fatigue
- Up to 9% higher capacity and productivity compared to an inexperienced or fatigued operator
- Lower fuel consumption for lower production cost

Available on model year 2016 New Holland T7 Series Auto Command tractors and BigBalers.



Two modes of operation

Charge Control Mode: The tractor speed is adjusted to achieve optimum feed rate capacity. The sensor paddles measure the throughput of crop yield fed into the pre-charge chamber and the time to fill the chamber is measured.

Slice Control Mode: The tractor's speed is adjusted according to bale slice thickness and the system will strive to obtain the number of slices per bale (with corresponding slice thickness based on pre-set bale length) defined by the operator.



Open. Connected. Smart. Supported.

New Holland's Precision Land Management (PLM™) is developing leading-edge technologies to help you manage the entire crop production cycle. We've integrated technologies into our machines that can help you reduce input cost, make informed decisions and increase yield production. PLM solutions are designed to provide you with an open architecture that is easy to use, and offer the flexibility to work with mixed fleets of equipment and implements. Our intuitive technologies can keep you connected with your machines in the field, optimizing fleet logistics and machine run times, while helping streamline field data into valuable insights and informed decisions. New Holland is committed to providing solutions that can be tailored to your farm needs, helping improve efficiencies and yields.



Fully integrated IntelliSteer™ auto guidance

All T7 Series tractors can be factory fitted with IntelliSteer auto guidance for hands-free steering, and accuracy as precise as sub-inch to help you better maximize productivity and efficiency. Choose from a wide range of accuracy levels to best match your operation's needs, and select from a variety of field patterns to match any shape field.

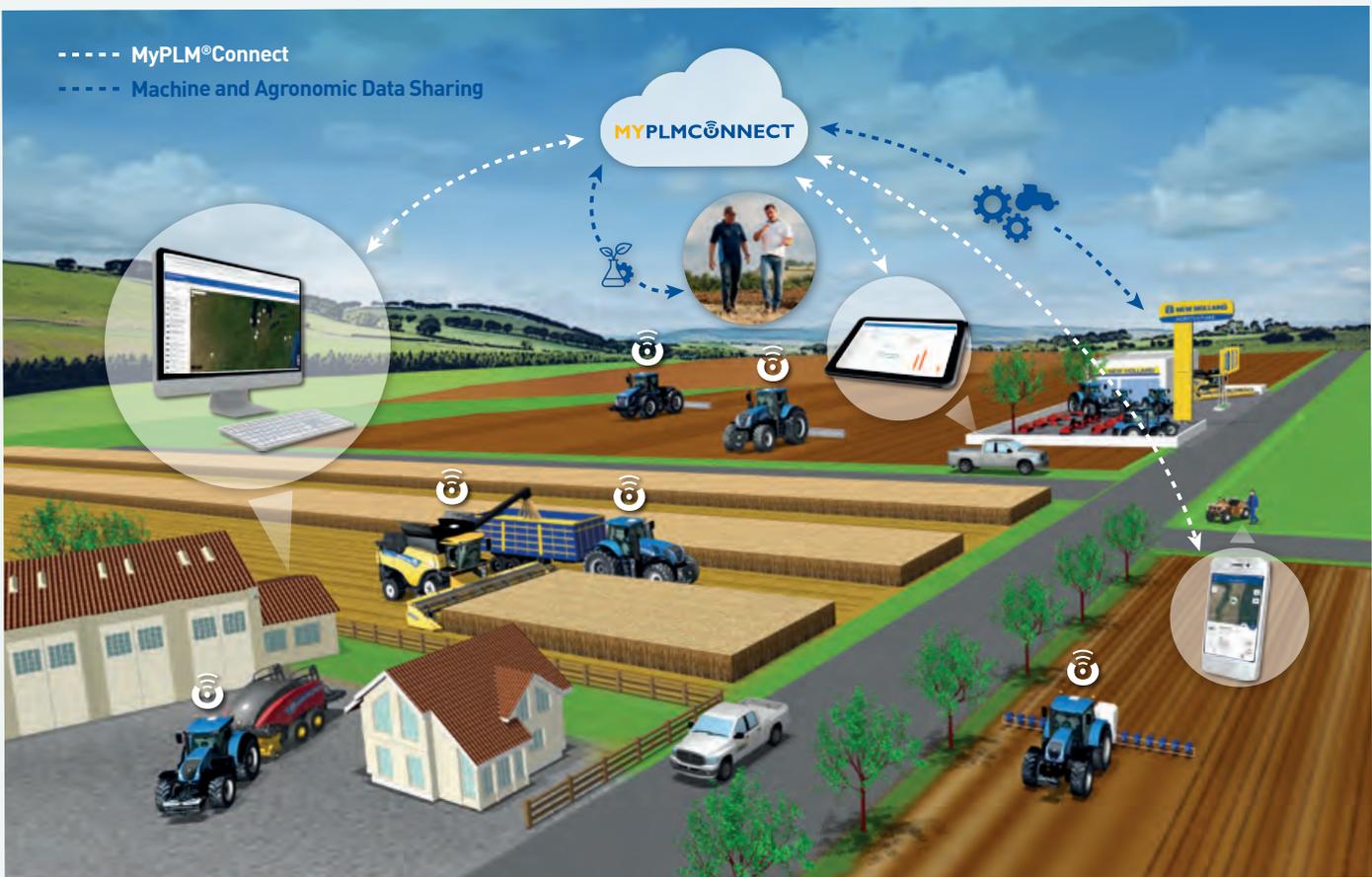


PLM
PRECISION LAND
MANAGEMENT



IntelliView™ IV touchscreen display

The 10.4-inch IntelliView IV touchscreen display is standard in T7 Series tractors with the SideWinder™ II armrest. It provides a single display solution for both controlling key tractor functions and running precision applications such as IntelliSteer™ auto guidance, as-applied mapping, and implement control. (Implement control can be achieved using PLM™ IntelliRate™ Control or the PLM ISOBUS task controller.) The IntelliView display allows you to program a variety of guidance patterns, personalize your settings and has PLM Connect compatibly for easy and secure transfer of data through the New Holland cloud to your farm office or mobile device. A dual IntelliView IV display option is also available for operators who appreciate the convenience of two screens—for instance, using one to monitor machine functions and the second to run precision applications.



Telematics: Manage your machine from the comfort of your office

MyPLM™Connect lets you connect to your T7 tractor from the comfort of your office or through your mobile device from anywhere. Stay in touch with your machines and send and receive real-time information to save time and enhance productivity. The MyPLM™Connect Advanced Subscription not only provides full machine monitoring, but also includes file transfer so you can send or receive data files to or from your T7. Depending on options, files can include boundaries, guidance lines, speed, yield, moisture layers, and more. With MyPLM™Connect you'll know what is happening in your field and be able to make real-time decisions to better manage your operation.

Quiet, comfortable and unmatched visibility.

Step into the T7 Series Horizon cab and experience its all-around visibility, exceptionally low noise level and the superior comfort and cushioned ride provided by the cab suspension and advanced seat options. The Horizon cab is the ultimate fatigue fighter.



Comfort ride™ cab suspension

The T7 Series Comfort Ride™ cab suspension system provides proven operator comfort for an extra-smooth ride over uneven fields and bumpy roads. It's designed to complement the cushioned ride provided by the T7 Series advanced suspension seat options.

360° visibility

The Horizon cab also provides excellent visibility in all directions so that you can keep a close watch on your work. The optional high-visibility roof panel further improves overhead visibility when using a front loader.

The classic armrest

The Classic T7 armrest provides naturally positioned, easy-to-use controls on the T7 tractors equipped with mechanical rear remotes.



The Sidewinder™ II armrest: ultimate control at your fingertips

The award-winning SideWinder™ II armrest is standard on all T7 Series models with electronic rear remotes. This innovative armrest electronically glides forward or back to adjust to the perfect position for every operator. All controls are easy to access from the armrest—throttle, hydraulics, 3-point hitch, PTO and more. The CommandGrip™ multi-function handle places your most frequently used controls at your fingertips. Integrated into the front of the armrest is the 10.4-inch IntelliView™ IV color touchscreen display. This allows for easy monitoring of all machine parameters, and provides a single access point for running precision applications such as auto guidance and implement control with the PLM ISOBUS task controller or PLM IntelliRate™ control system.



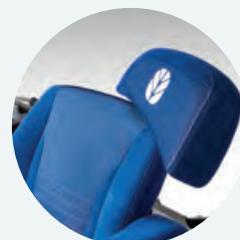
The most comfortable seating package

When working long hours in the field, it is important for you to stay productive throughout the day. This is why the T7 Series provides the ultimate in comfort with three distinct levels of advanced seating technology.

- The Comfort Seat provides ease and relaxation with cushion and suspension systems. A sliding backrest design allows you to easily look rearward while providing additional upper back support.
- The Dynamic Comfort Seat increases your comfort with a two-stage heater and provides enhanced low frequency suspension, automatic weight setting and shock absorber adjustment.
- The Auto Comfort™ Seat removes vibrations using its advanced semi-active seat suspension system and uses active climate control to extract humidity and moisture. It's available in full leather or an exclusive design for the Blue Power models.

Control center

Air conditioning controls, lighting panel, additional storage slots and the radio are all grouped in an ergonomic cluster. A Bluetooth radio option is available for added convenience, as well as auto climate control for ensuring that you are always working at a comfortable temperature.



Ultimate comfort

The swiveling backrest is standard on all T7 seats.

Sidewinder™ II. The ultimate ergonomic farming experience.

At New Holland, we know it's important for you to be comfortable for as long as it takes to get the job done. That's why T7 Series tractors are designed around you with ergonomically placed controls. The award-winning SideWinder™ II armrest reduces fatigue, allowing fingertip access to everything you need. The patented design allows the SideWinder II armrest to glide forward or back electronically to adjust to the perfect position for every operator.



Control at your fingertips

It's easy to master a T7 Series tractor. At the front of the SideWinder armrest is the CommandGrip™ multi-function controller. It provides fingertip access to your most frequently used controls and is now back-lit. And, the IntelliView™ IV touch-screen display is also up front, providing information at a glance and quick access and control of key tractor functions.

Fingertip control for up to two remote valves.

Rear linkage raise/lower. To activate front linkage raise/lower, push the button on the rear of the CommandGrip controller simultaneously with the raise/lower function.

Optional IntelliSteer™ auto guidance, automated steering engagement.

Forward/reverse shuttle switch.

Adjust GSM target speed.
Ultra Command FPS transmission.

Custom Headland Management. Press to record, store and activate automated headland turns.



Easy access to advanced features

Push the symbol. Activate the feature. The Integrated Control Panel, ICP, makes it simple to access advanced operating features. No need to scroll through menus to set up TerraLock™ traction management, Custom Headland Management, Auto PTO or Engine Speed Management (ESM).

Custom headland management



The refined New Holland Custom Headland Management II system combines simple programming and recall with the potential for advanced modification to make it even easier to improve in-field efficiency. The system allows the operator to record and store the sequence of operations at the headland, and play the sequence back automatically with the push of a button. To modify pre-programmed sequences, operators use the IntelliView™ IV display to fine tune them to ensure they are right for every individual field and crop. It also helps reduce fatigue over extended working periods.

Electronic remotes. Easy to reach paddles provide fingertip hydraulic operation. Flow and timing can be simply adjusted through the IntelliView™ touch screen.

Personalized positioning of the hydraulic joystick and rear linkage mouse available as a factory-fit option.

Select paddle or joystick control for remote valves 3 and 4.

Throttle up to your desired engine speed, select Engine Speed Management, and the speed is fixed.

Press the Custom Headland Management button to record and replay the functions you use most frequently.

Three point hitch inching control.

Auto PTO will disengage and reengage the PTO during a headland turn.

Engage TerraLock™ and it will automatically manage four-wheel drive and differential lock selection.

Engage and disengage the front suspension.

Engage and disengage the front PTO instantly.

Multi-function joystick. The joystick can be set to operate the front linkage, or remote valves.

Electronic SideWinder II adjustment. Move the armrest to the position that suits you.

Full access to more advanced controls under the padded armrest.

Rear linkage mouse. Lift heavy mounted implements with absolute precision.



Depend on New Holland for bright ideas.

LED work lights are standard equipment on all T7 Series models, as well as a broad selection of lighting options to provide you with exceptional illumination for working productively and safely during after-daylight operation. Three work light packages are available, ranging from 8 to 16 cab-mounted work lights. The high-intensity, 360-degree work light package offers the ultimate in all-around nighttime visibility. When operating with a grain cart alongside a combine or forage harvester, you can switch off the rear left and right side lights independently to avoid glare.



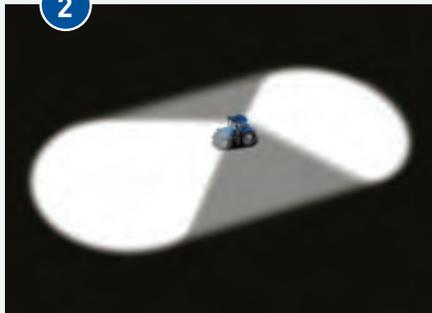
1



8 LED work light package

(8 x 1,125 lumens=9,000 lumens total)

2



12 LED High-intensity work light package

(12 x 1,950 lumens=23,400 lumens total)

3

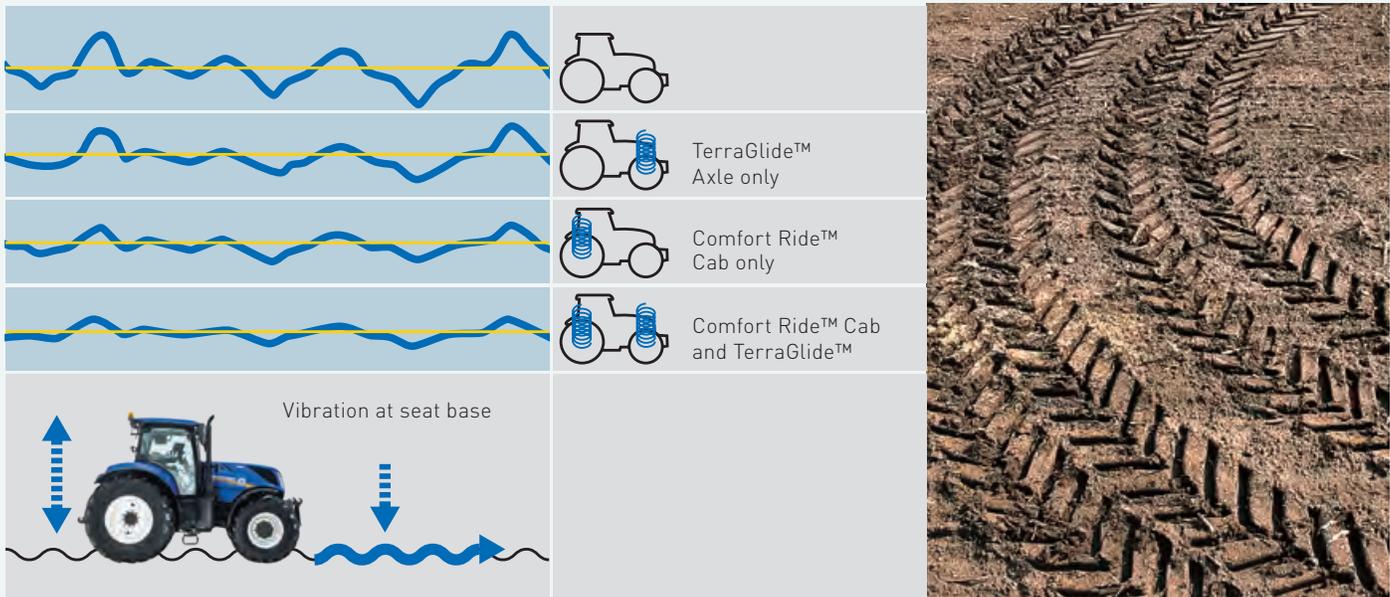


16 LED High-intensity 360° work light package

(16 x 1,950 lumens=31,200 lumens total)

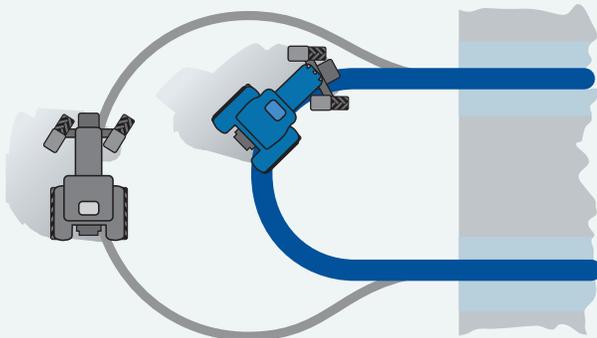
Smooth-riding, short-turning productivity.

New Holland offers two exclusive front-wheel-drive (FWD) axle options to increase your productivity and two available steering packages to make turning and maneuvering faster and easier.



Terraglide™ front axle for smooth control

New Holland innovation. It smoothes your ride and increases control. It is recommended for operations that include fast field work and transport work. Matched with the Comfort Ride™ cab suspension, you can expect ultimate ride smoothness.



SuperSteer™ front axle for ultimate maneuverability

The SuperSteer™ FWD axle—available on models T7.190 through T7.270—increases turning angle from the standard 55-degrees to 65-degrees so you can make sharper, faster turns, decreasing headland turn time by 35%.



New CustomSteer™ options saves time and effort

The award-winning CustomSteer™ feature lets you turn fully from lock to lock with as little as one rotation of the wheel with precision control. Choose a steering ratio preference from 1:1 to 1:4 for quicker maneuvering at headlands, reversing with trailers, or during repetitive loader work—all saving you time and reducing fatigue.

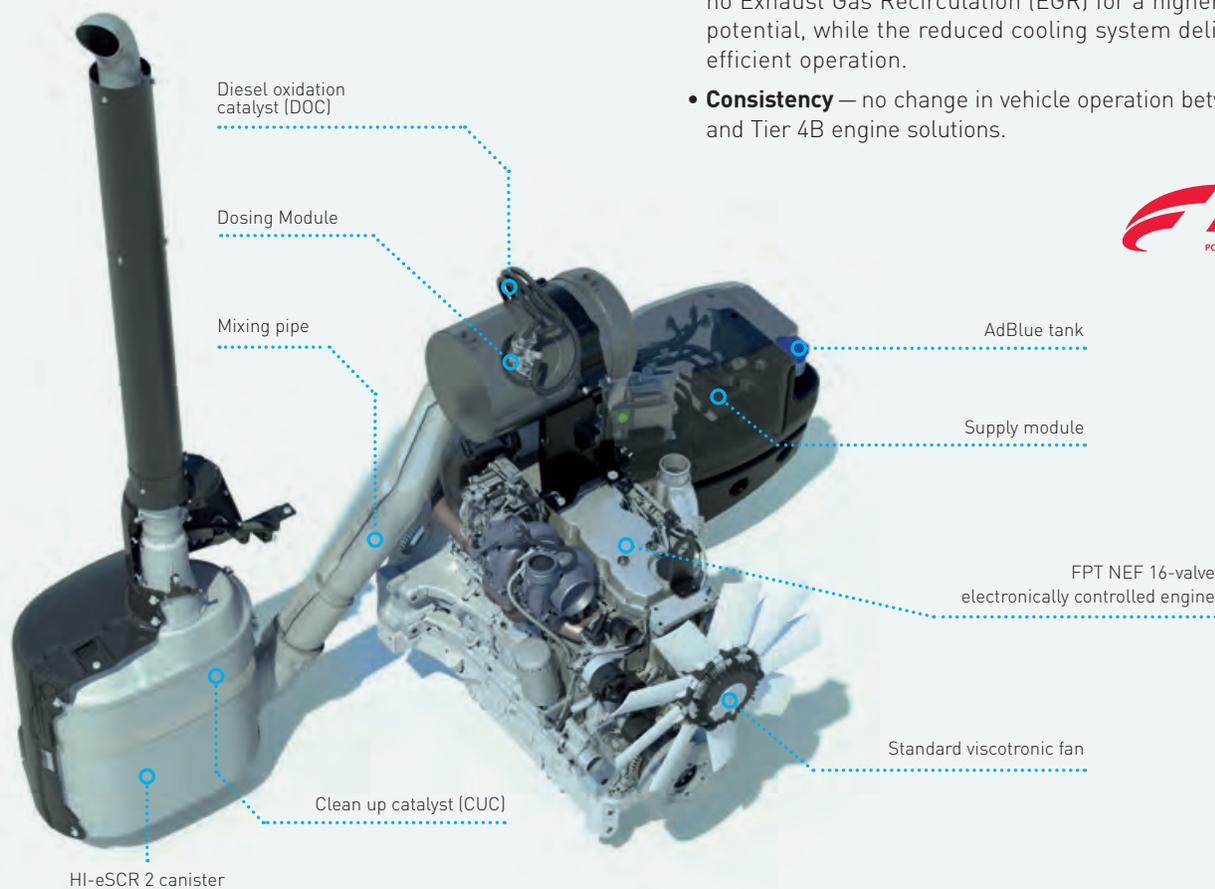
Powerful, responsive and efficient.



T7 Series tractors give you power without compromise. The ECOBlue™ HI-eSCR 2 engines have some impressive numbers that not only look good on paper, but also translate into increased lugging power and efficiency.

All five models are powered by ECOBlue™ HI-eSCR 2 (High Efficiency Selective Catalytic Reduction) engines developed by New Holland's engine development partner, Fiat Powertrain Technologies (FPT). These engines, which comply with the even more stringent Stage V emissions standards, give you power without compromise. Because of our continued commitment to be the Clean Energy Leader, New Holland and FPT have embraced Stage V standards for their considerable performance, efficiency and service advantages. New T7 engines deliver:

- **25% longer service intervals** to reduce operational cost and increase uptime—engine oil interval is extended to 750 hours and the driveline/transmission oil interval is now at 1,500 hours.
- **Greater performance** — with more power, torque, torque back-up and engine power management, all while maintaining outstanding transient response.
- **Efficient operation** — fluid consumption (diesel plus AdBlue) is the same or better than Tier 4B.
- **Simplicity** — patented FPT engine system design means no Exhaust Gas Recirculation (EGR) for a higher power potential, while the reduced cooling system delivers more efficient operation.
- **Consistency** — no change in vehicle operation between Stage V and Tier 4B engine solutions.



ECOBBlue™ HI-eSCR2

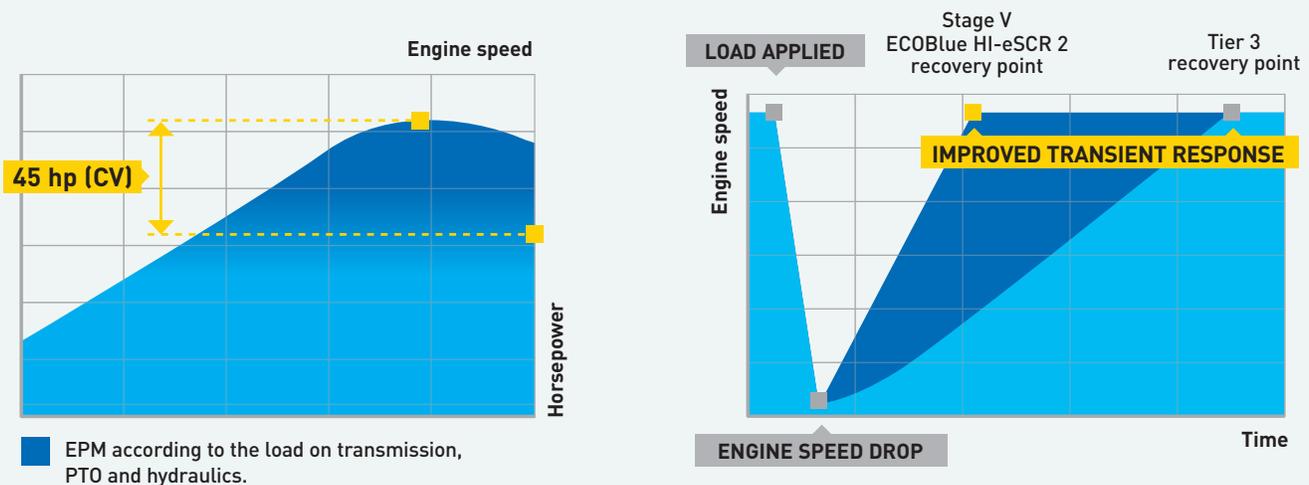
The ECOBlue™ HI-eSCR 2 system is maintenance-free, requires no filter replacement or mechanical cleaning of components, and doesn't need a Diesel Particulate Filter (DPF). New Holland's catalyst management strategy ensures that the after-treatment system maintains its efficiency with minimal impact to the tractor's operation — without the need for regular parked regeneration.

ECOBlue™ HI-eSCR explained

An evolution of the existing ECOBlue™ SCR system, New Holland ECOBlue HI-eSCR 2 technology is an after-treatment system allowing the engine to breathe clean, fresh air to optimize combustion, torque rise and fuel efficiency. It also provides the highest NOx (Nitrogen oxide) conversion efficiency in the industry. This multi-patented system uses a dedicated closed loop system to continuously monitor the NOx levels in the exhaust gases, ensuring that during every cycle the precise amount of AdBlue® is injected to achieve NOx conversion of over 95%, all while guaranteeing low fluid consumption.

Torque rise and response that outperforms previous T7 models

T7 Stage V engines have some impressive numbers — numbers that not only look good on paper, they translate into increased lugging power and efficiency. T7 engines achieve better performance by maximizing power output from each cylinder. The new engine control unit brings the engine to maximum torque more quickly and holds through the lower RPM longer to outperform former T7 Series engines.



Engine Power Management (EPM) with power boost

T7 engines deliver up to 45 extra horsepower when under load – a boost above rated horsepower – to get you through tough conditions. This extra boosted horsepower is there only when you need it, to maintain performance and fuel efficiency.



The importance of transient response

Transient response is your productivity guarantee. Put simply, since your T7 engine breathes only clean fresh air, with no exhaust gas recirculation, it can react even quicker when placed under load—a lot more quickly in fact—so when you're transporting fully loaded trailers or grain carts and you encounter a hill, you'll be able to maintain constant forward speed with no slow down.

Constant rpm with engine speed management

In applications where a constant PTO speed is required, just select Engine Speed Management to ensure the speed is maintained even under changing loads. In many applications, this allows you to maintain a fixed forward speed in difficult terrain.

The same total fluid consumption

Even with increases in horsepower, torque and lugging ability compared to previous T7 models, fluid use (fuel and DEP) remain unchanged.

Effortless performance that matches your work.



Innovative Auto Command™ CVT

Designed and built by New Holland, the multi-award-winning Auto Command™ continuously variable transmission (CVT) boasts four direct drive points with 100% mechanical efficiency. These points have been precision engineered to ensure they perfectly match the most frequently used speeds during heavy draft work, secondary cultivation, high-speed transport and high-speed field work, such as baling or mowing. Advanced, double-clutch control further enhances efficiency. Quite simply, it is the smoothest and most productive CVT around.

- Seamless speeds for every need — Set a target speed between 0.01 and 31 mph, with no range changes.
- The transmission “reads your mind,” responding to how you move the CommandGrip controller — move the lever slightly to accelerate gradually, move it forcefully to accelerate quickly.
- Four driving modes to suit your style: Auto, Cruise, PTO and Manual.
- Use the droop button to reduce the engine speed needed to achieve maximum travel speed to save fuel.
- Active StopStart prevents the tractor from moving backward or forward when the tractor comes to a standstill.



Making the most of available torque and fuel

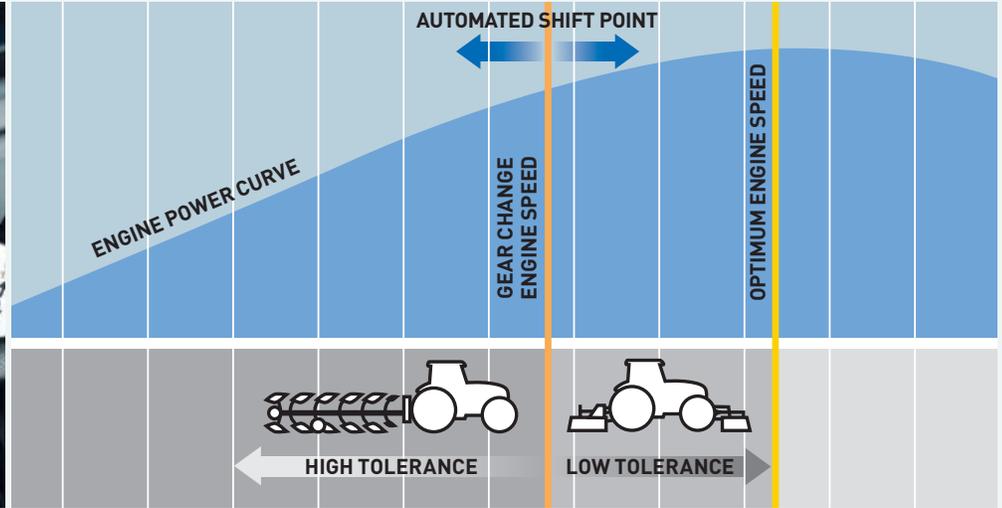
New Holland developed Auto Command transmissions to take advantage of the low running speed and high torque of New Holland engines. With the 31-mph Economy transmission, the engine runs at a fuel efficient 1550 rpm.

Smoother shifting in field and transport

The gear change management system delivers smooth gear changes all day long. It analyzes transmission load, speed and transmission oil temperature, ensuring that your T7 Series tractor delivers a seamless shift between each and every ratio.

The push-button simplicity of Power Command™

The Power Command™ transmission is a full-powershift that allows you to select the gear speed you want by simply pushing upshift or downshift buttons. Operating the clutchless forward/reverse shuttle is easy, too — simply use the fingertip shuttle lever located to the left of the steering column or use the thumb toggle switch on the CommandGrip™ controller.



Three power command choices

Choose a standard 25-mph 18x6 or one of two optional, extra-high-ratio 19x6 transmissions—the Economy 19x6 that delivers 25 mph at a reduced engine speed or the Fast Mover transmission for 31-mph transport speed.

Work together: automation, comfort and productivity

Using the Auto Transport and Auto Field modes reduces the effort of operating the tractor over a long working day. With Auto Transport, the tractor shifts seamlessly through ratios like an automatic transmission. The Auto Field mode manages both the engine speed and transmission to optimize performance and economy. In PTO applications, where a constant engine speed is the priority, the system selects the transmission ratio to match the load on the engine. In draft applications when the tractor is under load, Auto Field allows engine speed to drop to take full advantage of the available torque rise before selecting a lower ratio.



Hydraulic power to meet your demands.

Closed-center load-sensing hydraulics contribute to the unmatched performance of T7 Series tractors. T7 tractors equipped with the Auto Command™ CVT transmission benefit from a priority valve that guarantees optimum steering response in demanding hydraulic applications. Full hydraulic power is always available at the remote valves and lift linkage, but only as much as is needed. The variable displacement pump only works on demand, which helps optimize fuel economy.



Strong, efficient and powerful

The rear linkage and hydraulics allow you to work with heavy mounted equipment like large rotary cutters or tillage equipment over extended periods. The system also incorporates integral dynamic ride control shock load protection. This reduces bounce when travelling with a heavy linkage load at transport speeds. Fender-mounted controls for the rear linkage, a rear remote and the PTO are available.

Direct drive for fuel efficiency

All T7 Series tractors are fitted with a direct drive PTO to minimize power loss between engine and implement. The PTO is engaged via a push-pull control, with advanced Soft Start management. This modulates engagement of high inertia attachments to protect the driveline. Four speeds: 540, 540E, 1000 and 1000E are available. Models T7.230 and above with Auto Command™ CVT transmissions can be ordered with 1000/1000E shifttable PTO. The T7.290 and T7.315 models are equipped with 540/540E/1000/1000E shifttable PTO as standard equipment. T7 Series tractors also feature an Auto PTO function that automatically disengages when the rear or front linkage is raised above a pre-set position to protect the PTO shaft and tractor. The system re-engages the PTO as the linkage is lowered.



Power implements on front or back

New Holland T7 Series tractors are available with a fully integrated, factory-fitted front three-point hitch and PTO, giving you the versatility to operate front-mounted implements. All controls are integrated into the armrest and can be programmed to operate with the Custom Headland Turn Sequencer II system. When the front hitch is not in use, the linkage arms fold up or can be used to carry the full standard weight pack. Exclusive for the T7.290 and T7.315 models is an optional 1000/1000E shifttable front PTO system that helps improve efficiency and fuel economy when mowing in lighter conditions.



360° service: T7

T7 Series tractors are designed to spend more time working and less time in the shop. All service points are easy to access, and super long service intervals mean they will spend more time in their natural environment: the field!

Single-piece engine hood opens wide for full service access.

The engine air filter is easy to check, clean or replace, with no need for tools.

Hydraulic oil levels can be viewed via sight glass at the rear of the tractor.



Cooling package opens out to make cleaning faster and easier.

The filler neck on the AdBlue® tank is narrower than that of the standard fuel tank to prevent inadvertent filling with fuel.

Engine oil check and fill points are easy to reach, with no need to lift the hood. This makes routine checks faster and servicing simpler. You also enjoy the reduced downtime of 750-hour service intervals between maintenance checks. That's a level of convenience and practicality you've come to expect from New Holland.

Dealer installed accessories

A comprehensive range of approved accessories to optimize machine performance in all conditions can be supplied and fitted by your dealer.



ADBLUE®/DEF

Will I be able to find AdBlue®/DEF easily?

The answer is yes! AdBlue® diesel exhaust fluid is available through CNH Industrial Parts & Service. Just contact your local dealer for more information. You can even have AdBlue delivered direct to your doorstep for absolute convenience.



Models

T7.190

	Classic	SideWinder II
Armrest type		
New Holland Engine*		
No. of cylinders/Aspiration/Valves/Emission level	6/T/4/Stage V (exceeds Tier 4B)	
Selective Catalytic Reduction (SCR) system	●	
Fuel system - high pressure common rail	●	
Max. EPM horsepower - ISO TR14396- ECE R120	hp [CV] [kw]	190 [140]
Rated horsepower - ISO TR14396- ECE R120	hp [CV] [kw]	150 [110]
PTO horsepower	hp [kw]	125 [93]
Rated engine speed	(rpm)	2200
Viscous coupled cooling fan	●	
Reversible fan	○	
Exhaust brake	○	
Diesel tank capacity	gal (liters)	87 (330)
DEF/AdBlue® tank capacity	gal (liters)	13 (48)
Power Command™ Transmission		
Power Command™ full-powershift (40 kph)	○	
Number of gears/with creeper	(F x R)	18 x 6/28 x 12
Min. speed/Min. speed with creeper	mph [kph]	1.2/0.2 (1.9/0.31)
Power Command™ full powershift (40 kph ECO or 50 kph)	○	
Number of gears/with creeper	(F x R)	19 x 6/29 x 12
Min. speed/Min. speed with creeper	mph [kph]	1.2/0.2 (1.9/0.31)
Auto Command™ Transmission		
Auto Command™ continuously variable transmission (40 kph ECO)	—	●
Min. speed/Max. speed	mph	0.01/25 @ 1550 rpm
Auto Command™ continuously variable transmission (50 kph ECO)	—	○
Min. speed/Max. speed	mph	0.01/31 @ 1700 rpm
Hydraulics		
Closed Center Load Sensing (CCLS)	●	
Main pump flow Standard/MegaFlow™ option (Range & Power Command)	gpm [Lpm]	29.8 [113]
Main pump flow Standard/MegaFlow™ option (Auto Command)	37/42 [140/160]	
Electronic Draft Control (EDC)	●	
Remote Valves		
Type	Deluxe	Electro hydraulic
Max. no. rear valves	4	5
Joystick control	○	
Max. no. mid mount valves	3	
Front Loader Ready	○	
Rear Linkage	●	
Front Linkage	○	
PTO		
Auto soft start	●	
Engine speed at 540/1000	rpm	1969/1924
Engine speed at 540E/1000	rpm	—
Engine speed at 1000/1000E	rpm	—
540/540E/1000/1000E shiftable	—	
Auto PTO management	○	●
Front PTO (1000 rpm)	○	
Cab		
Comfort Ride™ cab suspension	○	●
Headland Turn Sequence II System (HTS2)	—	●
IntelliView™ IV large screen 10.4" display	—	●
ISO 11783 connector	○	●
IntelliSteer™ auto guidance	○	
Axles		
4WD front axle	●	
Suspended front axle	○	
Supersteer™ front axle	○	
Steering angle standard/Terraglide™/SuperSteer™ axle	degrees	55/55/65
Bar rear axle	○	
Wheelbase		
Standard front axle	107.6 (2734)	
Suspended front axle	109.8 (2789)	
SuperSteer™ front axle	113.3 (2880)	
Weights		
Minimum unballasted/shipping weight - Standard front axle	lbs (kg)	12,677/12,787 (5750/5800)
Minimum unballasted/shipping weight - Terraglide™ suspended front axle	lbs (kg)	13,338/13,448 (6050/6100)
Minimum unballasted/shipping weight - SuperSteer™ front axle	lbs (kg)	13,294/13,404 (6030/6080)
Max. permissible weight at 50 kph	lbs (kg)	24,251 (11000)

T7.210		T7.230		T7.245		T7.260	T7.270	T7.290	T7.315
Classic	SideWinder II	Classic	SideWinder II	Classic	SideWinder II	SideWinder II	SideWinder II	SideWinder II	SideWinder II
NEF		NEF		NEF		NEF	NEF	NEF	NEF
6/T/4/Stage V (exceeds Tier 4B)		6/T/4/Stage V (exceeds Tier 4B)		6/T/4/Stage V (exceeds Tier 4B)		6/T/4/Stage V (exceeds Tier 4B)			
●		●		●		●	●	●	●
●		●		●		●	●	●	●
210 [154]		225 [165]		245 [180]		260 [191]	270 [199]	290 [212]**	313 [230]**
165 [121]		180 [132]		200 [147]		220 [162]	240 [177]	270 [199]	300 [221]
141 [105]		150 [110]		170 [126]		190 [140]	210 [154]	240 [178]	267 [199]
2200		2200		2200		2200	2200	2100	2100
●		●		●		●	●	●	●
○		○		○		○	○	○	○
○		○		○		○	○	○	○
87 [330]		104 [395]		104 [395]		104 [395]	104 [395]	166 [630]	166 [630]
13 [48]		13 [48]		13 [48]		13 [48]	13 [48]	25 [96]	25 [96]
○		○		○		○	—	—	—
18 x 6/28 x 12		18 x 6/28 x 12		18 x 6/28 x 12		18 x 6/28 x 12	—	—	—
1.1/0.18 [1.8/0.29]		1.2/0.2 [1.98/0.33]		1.2/0.2 [1.98/0.33]		1.2/0.2 [1.98/0.33]	—	—	—
○		○		○		○	—	—	—
19 x 6/29 x 12		19 x 6/29 x 12		19 x 6/29 x 12		19 x 6/29 x 12	—	—	—
1.1/0.18 [1.8/0.29]		[1.2/0.2] 1.98/0.34		1.2/0.22 [1.98/0.35]		1.2/0.22 [1.98/0.36]	—	—	—
—		—		—		—	—	—	—
●		●		●		●	●	●	●
—		—		—		—	—	—	—
0.01/25 @ 1550 rpm		0.02/25 @ 1450 rpm		0.02/25 @ 1450 rpm		0.02/25 @ 1450 rpm			
—		—		—		—	—	—	—
○		○		○		○	○	○	○
—		—		—		—	—	—	—
0.01/31 @ 1700 rpm		0.02/31 @ 1550 rpm		0.02/31 @ 1550 rpm		0.02/31 @ 1550 rpm	0.02/31 @ 1550 rpm	0.02/31 @ 1650 rpm	0.02/31 @ 1650 rpm
●		●		●		●	●	●	●
29.8 [113]		32/39.5 [120/150]		32/39.5 [120/150]		32/39.5 [120/150]	—	—	—
37/42 [140/160]		39.5/45 [150/170]		39.5/45 [150/170]		39.5/45 [150/170]	39.5/45 [150/170]	43.5/58 [165/220]	43.5/58 [165/220]
●		●		●		●	●	●	●
Deluxe	Electro hydraulic	Deluxe	Electro hydraulic	Deluxe	Electro hydraulic	Electro hydraulic	Electro hydraulic	Electro hydraulic	Electro hydraulic
4	5	4	5	4	5	5	5	5	5
○	○	○	○	○	○	○	○	○	○
3	3	3	3	3	3	3	3	3	3
○	○	○	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●	●	●
○	○	○	○	○	○	○	○	○	○
●	●	●	●	●	●	●	●	●	●
1969/1924		1893/1950		1893/1950		1893/1950	1893/1950	—	—
—		1569/1893		1569/1893		1569/1893	1569/1893	—	—
—		1912/1583		1912/1583		1912/1583	1912/1583	—	—
—		—		—		—	—	1930/1598/1853 /1583	1930/1598/1853 /1583
○	●	○	●	○	●	●	●	●	●
○	○	○	○	○	○	○	○	○	○
○	●	○	●	○	●	●	●	●	●
—	●	—	●	—	●	●	●	●	●
—	●	—	●	—	●	●	●	●	●
○	●	○	●	○	●	●	●	●	●
55/55/65		55/55/65		55/55/65		55/55/65	55/55/65	55	55
○		○		○		○	○	○	○
107.6 [2734]		113.5 [2884]		113.5 [2884]		113.5 [2884]	113.5 [2884]	—	—
109.8 [2789]		113.5 [2884]		113.5 [2884]		113.5 [2884]	113.5 [2884]	117.9 [2995]	117.9 [2995]
113.3 [2880]		117.2 [2977]		117.2 [2977]		117.2 [2977]	117.2 [2977]	—	—
13,117/13,228 [5950/6000]		15,322 [6950]		15,322 [6950]		15,322 [6950]	15,322 [6950]	—	—
13,779/13,889 [6250/6300]		16,094 [7300]		16,094 [7300]		16,094 [7300]	16,094 [7300]	22,707 [10300]	22,707 [10300]
13,735/13,845 [6230/6280]		15,653 [7100]		15,653 [7100]		15,653 [7100]	15,653 [7100]	—	—
24,251 [11000]		28,660 [13000]		28,660 [13000]		28,660 [13000]	28,660 [13000]	35,274 [16000]	35,274 [16000]

● Standard ○ Optional — Not available *Developed by FPT - Fiat Powertrain Technologies **Rated at Maximum Horsepower



VALUE, SERVICE AND SOLUTIONS

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