

New Holland TJ Series II Tractors 280 to 530 hp 4WD Tractors



NEW HOLLAND

TJ280 TJ330 TJ380 TJ430 TJ480 TJ530



Setting new, even higher standards — again

New Holland TJ tractors are the top 4WDs in bottom-line performance and productivity.

New TJ Series II 4WD tractors set performance standards that put competitive models at an even further disadvantage — all while giving you powerful, innovative ways to increase your bottom line. Whether you work with the widest, deepest implements on the hilliest terrain, or scrape and move heavy loads of earth in the most grueling conditions, a TJ 4WD is the tractor of choice for power, efficiency, comfort and control.

More power on all models

New TJ 4WDs are more powerful — with up to 30 more horsepower available on the flagship TJ530 and up to a monstrous 40% torque rise. That kind of power makes short work of big-acreage farming and earth-hauling jobsite production.

The New Holland engines are efficient too! With improved engine cooling, electronic fuel systems and on the TJ480/TJ530 models, electronically controlled fan drives, the new New Holland

engines exceed compliance for EPA Tier III "green engine" emission requirements. Plus, the combination of large engine displacement and efficient center-pull chassis design puts less wear and tear on the tractor and extends tractor life.

Models	Engine HP	PTO HP
TJ280	280	225
TJ330	330	269
TJ380	380	335
TJ430	430	375
TJ480	480	425
TJ530	530	469





Bigger transmissions

Considerable power is matched by TJ's bigger transmissions that feature wider gears and extra clutch plates for more torque-carrying capacity. And more convenience — the TJ 16-speed powershift now features AutoShift™ capability with both field and road operation settings. As its name implies, AutoShift automatically downshifts the tractor to maintain engine rpm and torque as load increases, then upshifts as load decreases. The powershift transmission also features a new electronic pulse-width-modulated clutch control that provides ultra-smooth shifts.

Greater lift, more flow

The *three-point hitch lift capacity* is even higher on the new TJs, with up to 19,620 pounds on tap through the entire lift range.

TJ's proven hydraulic system, including the optional MegaFlow™ system, now delivers even *greater flow* to meet the needs of high-demand implements. Huge flow capacity, along with maxi-

imum efficiency and instantaneous response, means *more flexibility and control* to handle multiple functions simultaneously without a drop-off in performance.

Luxury accommodations

Class-leading power and strength would be of little value without *total operator comfort and control*, and these are yet more categories in which TJs shine. From the new TJ luxury-level cab, with unequalled space, visibility and quietness, to a full range of electronic instrumentation, monitoring and IntelliSteer™ auto-steering systems for complete control of the tractor and implement at all times, TJ 4WD tractors continue to lead the way. That's the legacy of innovation and performance that has made New Holland #1 in tractors worldwide.

Check out the new TJ Series II tractors at your New Holland dealer. For bottom-line performance in any job or condition you encounter, you can't top these new 4WDs.



The optional luxury cab is the most spacious on the market. It's big, quiet and comfortable, and gives you more visibility in every direction than in competitive 4WDs. And if you like leather, you'll like the luxury option.



An optional 1000 RPM independent PTO smoothly engages and powers shaft-driven implements such as grain carts. The 1.75-inch-diameter (4.5 cm) 20-spline shaft is electro-hydraulically modulated for smooth engagement regardless of load.

There are six models in the new TJ Series II line, from the row-crop TJ280 generating 280 hp to the flagship 530-hp TJ530. All TJ tractors can easily handle the rigors of small grain farming and other big-acreage production. Four models are available in rugged, robust scrapers, with durable powertrains and high-volume hydraulics.

IntelliSteer™ Auto Steering System

Auto-steering precision reduces inputs and enhances operator comfort for maximum field performance.

State-of-the-art steering-guidance and GPS-satellite technology help you work more productively and comfortably all day (or all night) in a new TJ Series II 4WD tractor. The New Holland IntelliSteer™ Auto Steering System guides your tractor along straight lines with an accuracy level as precise as +/- 1 inch (2.5 cm) at speeds up to 18 mph (29 km/hr).

Whether air-seeding, spraying, tilling

or bedding, the dynamic IntelliSteer system guides you, reducing skips and overlaps that waste seed, chemicals and other input costs. Growers can plant crops more accurately relative to fertilizer applications by eliminating “guess rows.” And strip-tillers can precisely place fertilizer, seed and pesticide in last fall’s tillage strip to optimize strip-crop performance. In addition, the IntelliSteer system reduces the effects of compaction

and allows you to eliminate markers on your equipment. Innovative IntelliSteer technology also lets you operate longer hours in a variety of conditions with a lot less fatigue. Just let the IntelliSteer system do the work for you — hour after hour, pass after pass. No stress of following markers ... no gauging where to steer wide equipment for the next pass ... no worrying about manually driving straight.



Put IntelliSteer™ in your tool box

New Holland offers four versions of the IntelliSteer system with varying levels of accuracy to match your needs:

- **IntelliSteer RTK** (Real Time Kinematics) delivers the highest accuracy, in the +/- 1 inch (2.5 cm) range.
- **IntelliSteer DGPS HP** (Differential GPS High Performance) offers a higher level of accuracy in the +/- 2 to 4 inch (5.1 cm to 10.2 cm) range.
- **IntelliSteer DGPS XP** (Differential GPS) provides typical accuracy in the +/- 3 to 5 inch (7.6 cm to 12.7 cm) range.
- **IntelliSteer DGPS** (Differential GPS) provides typical accuracy in the +/- 10 inch (25.4 cm) range.

Immediate operator override

The electronic steering valve and manifold are plumbed into the tractor steering system and receive steering direction from the IntelliSteer system's navigation controller mounted inside the cab. Slightly turning the steering wheel returns complete tractor steering control to the operator.



The New Holland IntelliView II™ color monitor provides complete interface with the IntelliSteer™ system.



The RTK base station includes a GPS antenna, receiver and radio link to provide RTK correction signals to tractor-mounted auto-guidance systems and can be either portable or permanently mounted.



The New Holland 252 antenna receives the GPS signals to guide the vehicle. This antenna can easily be transferred from tractor to tractor or even to your combine.



The Navigation Controller II receives user, satellite, correction and steering inputs and provides the control to guide the tractor. It includes three gyrometers and accelerometers for operation in uneven terrain.



The new ultimate field office

Get down to business in comfort in the largest cab with the most visibility in 4WDs.

Stay refreshed and comfortable. Remain highly productive. In the new TJ deluxe and luxury cabs, long hours go by faster and the toughest jobs feel easier. That's all due, of course, to the TJ cab's unmatched size, spaciousness and



The new luxury TJ cab is a traveling office like you've never experienced before. Exclusive to the luxury cab are such amenities as a heated, grey-leather seat with AutoComfort™ suspension; black leather-wrapped steering wheel; leather-trimmed, thickly cushioned armrests; grey carpeted floor mats; and an optional leather instructional seat.

all-around visibility — the best in class by far. Inside this remarkable cab you'll find all the convenience features for precision land management.

Greater visibility and comfort

There's just more glass in a TJ cab. To be precise, there's over 131 cubic feet of glass — 4.3% more glass surface area than Deere 4WDs. And that means you'll enjoy greater visibility in every direction. The one-piece, curved windshield, sloping hood and wide back window give you 360-degree visibility. The TJ cab is quiet, too, with a sound level of a remarkably low 75 db(A).

The comfortable, 22-inch-wide air-ride seat and armrest control console swivel in unison (21 degrees to the

right, 7 degrees to the left) so you can turn for an even better view without straining your eyes or back. The seat also glides 8 inches forward or back and the seat back tilts to accommodate every driver. An optional seat with AutoComfort™ suspension and built-in, four-position heat control is also available. Trimmed in leather in the luxury cab and velour cloth in the deluxe, this seat continuously monitors vehicle ride and automatically adjusts the dampening provided by the seat shock absorber. No matter what the terrain, you enjoy a supremely comfortable ride. The integrated heat control cycles on and off with a comforting massaging action to help reduce operator fatigue.

Nearly 131 cubic feet of glass offer an unobstructed panoramic view, in the field and over the road.





More comfort features

Small convenience features add up to lots of day-long comfort in a TJ cab:

- Soft-grip, telescoping steering wheel (leather-wrapped in the luxury cab)
- Elevated foot rests
- Automatic temperature control for heater and air conditioning
- Optional remote-control mirrors with greater swivel
- Rear window wiper/washer
- Six power outlets
- Optional 6-disc CD changer (complete with weather band, 24 station presets and theft lock)
- Laptop computer tray
- Self-canceling turn signals
- Dual cup holders, with a retractable cup holder on the right-hand armrest
- Cargo nets
- Optional instructional seat
- Front and rear sun shades
- AutoComfort™ seat
- Foot operated decelerator
- Heated-seat with low, medium and high settings
- Custom Headland Management™ option
- Various lighting packages

Take to the field in full control

TJ gives you all the tools you and your operators need to remain at maximum productivity.

From your office inside a TJ 4WD, you're in complete control of operations and productivity, day or night. Conveniently located controls, comprehensive monitoring systems and new lighting enhancements help you work your best.

Data on the go

An electronic instrument cluster with both digital and analog gauges is posi-

tioned vertically at eye level on the right-hand cab post. With a quick glance you can get all the operational information you need from these now even-easier-to-read gauges. Choose the optional performance instrumentation and you get critical data on the go, including percentage of power being used, fuel usage, remaining fuel, ground speed, and wheel slip (if equipped with radar). This cluster features electro-

hydraulic remote individual timer controls with visual remote flow readings. The monitor reminds you when the engine and transmission require service. It also protects the tractor by shutting it down if oil pressure is low or if coolant, air-to-air or transmission temperatures are too high.

Comfortably seated, and without stretching, you can reach overhead controls for heat, air conditioning, lights



Up to 21 halogen work lights, plus optional High-Intensity Discharge (HID) lamps, brighten the night. You can adjust eight of the work lights to focus more illumination on areas in front of, behind and to the side of the tractor.

and the premium audio system. Armrest controls are ergonomically designed and positioned. On TJ models with the powershift transmission the armrest controls adjust fore/aft, up and down. On the armrest you'll find controls for AutoShift™, hydraulic remotes, flow settings, diff lock, hitch, custom headland management, optional slip limit and the throttle.

Custom Headland Management

One switch can be easily programmed to make your complex headland operations a snap. Control up to 30 functions including remotes, 3-point hitch, throttle, and gear shifts. Standard on all models

equipped with performance instrumentation (powershifts only).

Lighting the way

TJ tractors feature new egress lighting as standard equipment. In timer mode, you can set the lighting to remain on for up to 120 seconds after the key is switched off, to light your way out of the cab in a dark environment.

Depending on the TJ model, there are a total of 21 halogen work lights — eight of which are adjustable. Optional High-Intensity Discharge (HID) lamps provide 350 feet of illumination to the marker trail during night operation. For added safety, optional rotating beacon lights can be added.



All the information you need on the go and at a glance — you can monitor everything from wheel slip and ground speed to fuel usage and hydraulic-flow readings with the optional performance instrumentation that's integrated into the cab post for easy viewing.



Convenient egress lighting lets you safely exit the cab while in a dark environment. Egress lighting is standard equipment on all TJ models.



Right at hand ... controls for AutoShift™ hydraulic remotes, flow and timer, diff lock, hitch, custom headland management, optional slip limit, throttle and gear selection are integrated into the armrest for ready, comfortable access.

More horsepower across the range

The new TJs deliver all the power, torque and efficiency you could ask for ... and more.

Loads of power and torque for jobs that demand brute strength. And EPA Tier III "green engine" emission compliance, too, for cleaner air quality. TJ turbocharged, six-cylinder engines deliver it all.

Horsepower has been increased from 5 to 30 HP across all six TJ models, and power growth has been boosted up to 54 horse on the largest TJ for that

deep reserve to pull you easily through the toughest, hilliest spots without downshifting.

Compared to other 4WDs, TJ engines have a larger displacement — from 8.3 L to 15 L — for longer life and durability. At 2000 rpm, the slower rated engine speed is still the lowest in the industry for better fuel efficiency, less noise and longer engine life.

24-valves per cylinder

The 24-valve cylinder head features four valves per cylinder for increased power and faster response across the entire power band. The four-valve-per-cylinder configuration increases the size of the intake and exhaust port area for better engine breathing — which means improved operating performance and efficiency. The turbocharger on all



models deliver the proper air-to-fuel mixture regardless of engine rpm, resulting in even greater efficiency and quicker response to the work at hand.

All TJs feature full electronic engine control. An electronic fuel system provides maximum fuel economy and efficiency.

Better cooling capacities

Increased oil pump and engine cooling capacities provide even greater durability and reliability. Oil pump capacity — now up to 25% larger than on earlier TJ models — improves lubrication for longer life. Engine cooling capacity has also been enhanced. A special water filter and conditioner system — which filters out contaminants and adds a conditioner agent to form a protective film to cylinder liners and coolant passageways — maximizes engine reliability. An improved radiator grille screen keeps debris out of the engine compartment.

Looking for market-leading power and torque? Check out the new TJ530. Powered by the Cummins QSX15 engine, the TJ530 will deliver up to 584 engine hp to muscle you through. TJ engines are larger in displacement than competitive 4WDs for longer life and greater durability.

Models	HP	Displacement	Torque Rise	Peak Power
TJ280	280	505 cu. in. (8.3 L)	35%	308 HP
TJ330	330	543 cu. in. (9.0 L)	35%	363 HP
TJ380	380	787 cu. in. (12.9 L)	40%	418 HP
TJ430	430	787 cu. in. (12.9 L)	40%	473 HP
TJ480	480	915 cu. in. (15 L)	40%	529 HP
TJ530	530	915 cu. in. (15 L)	40%	584 HP



24-volt starting systems and heavy-duty batteries provide faster cold-weather starts on all models.



The large and extra-large frame tractors feature a new engine air intake system. The engine air filter has been relocated under the hood for a more efficient air flow and filter life.



Use the constant speed switches to set the max RPMs and the speed adjustment switch or throttle to return engine speed to the desired level after making a turn.



The cooling system provides the extra cooling capacity needed with higher-horsepower engines. The radiator is sized to the engine and can be accessed easily for cleaning.



Electronic fuel control provides the TJ engine with the exact amount of fuel at precisely the right time for optimum fuel efficiency.



Standard and optional alternators are available to meet all your lighting and electrical needs.



Match field speeds to your working needs

The full powershift transmission now features AutoShift and wider gears for more torque-carrying capacity.

Take your pick of either the New Holland 16x2 full powershift now featuring AutoShift capability or 24x6 Hi-Low synchroshift transmission (available only on select models), and you get an exceptional choice of work speeds and smooth-shifting performance.

Clutch-free powershifting

Enjoy clutch-free, pushbutton shifting and shuttling, plus fingertip control of speed and direction changes, with the TJ 16x2 powershift transmission. Now featuring wider gears to carry

greater torque, this transmission lets you conveniently start travel in any of the first 8 gears. Shift buttons on the throttle handle let you select the gear with the touch of your thumb. Modulated engagement produces a smooth start for you and your implement. Want to get up and go? The Skipshift™ feature lets you skip every other gear between 4th and 13th to accelerate quickly.

The TJ powershift also offers you eight speeds in the tillage range — from 4 to 8.5 mph — with each spaced at

half-mile-per-hour intervals. Finding the right speed for the job is easier than ever.



Change speeds with the touch of your thumb with the 16-speed powershift



The helical-cut gears and wet master clutch of the 24x6 synchroshift transmission provide quiet, smooth, trouble-free operation.



Quickly inspect hydraulic and transmission oil levels using site gauges.

Forward/reverse shuttling is easy. To shift to first reverse when in gears one through eight all you do is move the shuttle control on the left side of the steering column. The inching pedal allows you to maneuver in tight quarters and is especially helpful when hooking up implements.

The 16x2 powershift transmission also features a convenient AutoShift capability that operates in two modes: Auto Field and Auto Road. In Auto Field

Operation, AutoShift automatically downshifts as needed to maintain engine speed and torque and subsequently upshifts within the range as load decreases. In Auto Road Operation, it automatically selects the proper gears based on throttle input and road speed.



The Hi-Low shift on the 24x6 synchronized transmission is integral with the throttle lever for easy operation.

To use hi/low shift, just touch a button on the side of the throttle. No clutching is required. For driveline protection, the transmission shifts — or “kicks out” — to neutral automatically when the engine is at full throttle but lugging below 1000 rpm.

Shift-on-the-fly synchro

The flexible 24x6 Hi-Low synchroshift transmission, which is available on the TJ280, TJ330, TJ380 and TJ430, is fully synchronized in both the speed and range gears, allowing you to easily shift on the go with a rolling load. It offers four ranges, three forward gears, one reverse and a handy two-speed powershift that doubles your forward speed options from 12 to 24. Nine speeds are available in the 4 to 8.5 mph working range for outstanding field productivity.



High-flow hydraulics for high-demand implements

Megaflow™ system delivers up to 94gpm through two separate hydraulic circuits – Giving more than enough hydraulic capacity for big jobs.

Huge flow capacity ... maximum efficiency ... instantaneous response ... and plenty of flexibility to handle numerous functions at the same time without hindering performance. There's nothing like TJ hydraulics for operating high-demand implements with ease.

The TJ's efficient closed-center load sensing (CCLS) system delivers the correct flow and pressure where you need it and precisely when it's needed. The system operates at peak efficiency at all times and goes into low-pressure standby when hydraulic power isn't needed, to save power and fuel. A 40-gpm pump is standard (42 gpm on the TJ530) to operate steering, three-point hitch, trailer brakes and

auxiliary systems. A larger 55-gpm pump is optional (57 gpm on the TJ530). But, for really big jobs with huge-capacity hydraulic demands, choose the MegaFlow™ system option.

MegaFlow™ is the capacity leader

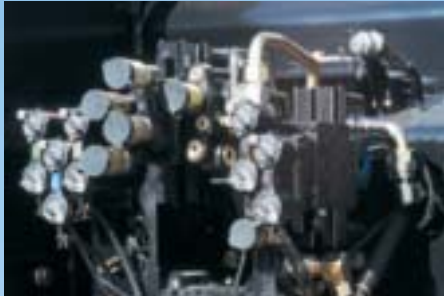
The MegaFlow system uses a second, independent 35-gpm pump, in addition to the 55-gpm larger primary pump. On the TJ530, the second pump is in addition to the 57-gpm primary pump, for a market-leading 94-gpm flow capacity. Combined, these pumps provide two separate circuits, so you can simultaneously operate a low-flow, high-pressure system from one remote, and

a high-flow, low-pressure system from another. With MegaFlow hydraulics, you can easily operate high-demand implements such as air seeders, planters and beet lifters with complete confidence.



Hydraulic control levers and couplers are color-coded for ease of hook-up and to help track hydraulic operations.





Up to 9 remote valves and MegaFlow™ can be built into any TJ model. Seven remote valves and power beyond are pictured.

Up to nine remotes

TJ tractors offer plenty of flexibility for hydraulic operations. Four remote valves are standard equipment. However, up to nine remote valves can be fitted. Two of the optional remote valves with 3/4 inch couplers come standard with the MegaFlow system. Motor, non-detent, full function, no float and lock positions are available for eight of the remotes, with only up/down position available for the ninth remote valve.

You can easily adjust the flow to each remote on-the-go using the electronic controls under the cab armrest. The optional performance instrumentation provides a visual readout of flow changes and also allows you to program the flow and adjust the timing to each individual remote. The instrumentation also makes it easy to repeat flow and timing settings when coupling to the same implement at a later time. Optional power-beyond couplers provide direct hydraulic power for planters and air seeders.

Extreme lift capacity

The new TJ gives you the highest wheel tractor hitch lift capacity at up to 19,620 pounds. A 3-point hitch is an option on all models. With the three point hitch option, even extremely heavy mounted planters, cultivators and specialized heavy rippers won't weigh you down, so you can get more work done in a single pass. The hitch

raise/lower switch and position controls are conveniently located on the armrest control console. Controls for drop speed and upper limit are under the armrest.

New hydraulic trailer brakes

A new load-sensing hydraulic trailer brake control system is optional and ensures secure, priority braking for trailered attachments.



Performance instrumentation provides individual remote timers and a visual read out of flow control settings.



Durable frame, axles and brakes

TJs are built for the long haul with frame dimensions uniquely matched to horsepower.

TJ Series II tractors feature capacity-matched frames based on horsepower. The row-crop chassis (TJ280 and TJ330) gives these tractors true 30-inch row capability. There is also the larger chassis (TJ380 and TJ430) and high-capacity chassis (TJ480 and TJ530 tractors) versions for heavy-duty ag and commercial applications. The longer wheelbase on all frames provides a more comfortable ride, more balanced weight distribution for more efficient drawbar pull, and reduced power-hop.

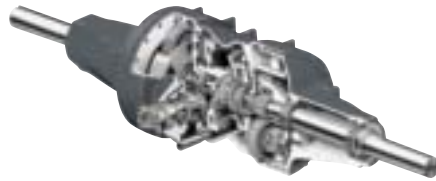
A unique “center-pull” design allows TJ 4WDs to deliver power where it counts — at the drawbar. The drawbar is mounted near the articulation point at the center of the tractor, giving TJ tractors a better pull angle for more efficient pulling power to tow wider/heavier implements.



A large-capacity fuel tank is integral with the rear frame to keep refueling to a minimum — and your productivity to a maximum. A 300-gallon fuel tank standard on large-frame TJ models, while a 200-gallon tank is standard on small-frame units.

Beefy axles and housings

Regardless of frame size, TJ axles are built to handle the rigors of high-torque loads. Depending on model, bar axle size is either 4 or 4.5 inches. Massive axle housings provide structural support, while precision-ground spiral bevel gear sets offer strength, durability and quiet operation. Planetary input gears, bearings and final drives are lubricated with pressurized, filtered and cooled oil.



Here's a closer look at the largest-diameter 4WD wheel tractor bar axle in the industry — one with the strength and durability to match the high horsepower and heavy load capability of TJ380HD, TJ430HD, TJ480HD & TJ530 HD tractors, as well as all scraper models.

Greater traction, braking power

Optional hydraulic differential locks — one for each axle — lock the left and right wheels together for improved traction in slippery conditions. Hydraulically activated wet disc brakes on front and rear axles are cooled with filtered oil for better stopping power than standard dry-type driveline brakes. A positive, integrated, spring-applied parking brake engages automatically when the engine is turned off.



Differential locks have independent controls for front and rear axles.





Larger tire options increase traction efficiency while reducing compaction, for improved yields and productivity. Since frame size is matched to horsepower for optimum performance, additional weight doesn't have to be added to the TJ for many applications. In applications requiring extra ballast, a front cast weight bracket can be added to the frame for additional ballast with up to 18 suitcase weights. Suitcase weights and a cast bracket can be added to the rear if there isn't a three-point hitch. Wheel weights are also available for the front and rear axles.



Power and strength to move earth ... lots of it

TJ scraper models easily handle the harshest conditions and heaviest loads.

The TJ380HD, TJ430HD, TJ480HD and TJ530HD are available in rugged, wheel scraper models that are engineered for the demands of scraping, grading, leveling and cutting/filling, and earth-moving. TJ scrapers deliver exceptional performance and reliability because they're equipped and weighted expressly from New Holland for tough jobs.

Power, first and foremost

Depending on the model, a

New Holland 12.9L or a Cummins 15L engine generates the raw power you need to pull a scraper or two, even as they fill, without lugging down. The engines produce from 380 to 530 hp and also give you up to 40% torque rise and power growth of up to 54 hp. No earth-moving, earth-scraping, earth-grading job is too tough for a TJ.

Matched to the beefy TJ drivetrain — including heavy-duty final drives, thick bar axles, Reynolds Quick Hitch scraper

drawbar and diff locks — TJ scraper models are operational with 16-, 17- or 18-yard scrapers at speeds over 4 mph with engine speeds above 1800 rpm.

Big-time hydraulic capacity

TJ scrapers feature the precision, high-volume hydraulics that moving tons of earth, day after day, requires. With the MegaFlow™ option, you can tap up to an enormous 94-gpm of flow. TJ's electro-hydraulic controls work in concert



with laser-leveling/GPS interface systems for laser-controlled precision and maximum productivity on the job site.

Stay comfortable

And you'll be controlling it all from the comfort of the TJ luxury or deluxe cab — the largest, most comfortable, highest-visibility cab in 4WDs. Inside the TJ cab you'll stay refreshed and comfortable longer, so you can remain highly productive no matter what the job.

For operation convenience and safety, TJ scrapers versions are equipped with a scraper draw bar, tow cable, beacon light, back-up alarm, manual mirrors or electrically controlled wide mirrors, high-capacity hydraulic pump, differential locks and the ability to interface a laser leveling system. The TJ cab is ROPS and FOPS certified to meet government standards.



TJ engines produce from 380 to 530 hp and also give you up to 40% torque rise and power growth of up to 54 hp. That's more than enough power and torque to pull the heaviest carry-all scraper in the harshest conditions.



For scraping in large-scale commercial applications, the Precise Land Management Integrated Laser Leveling System allows the tractors electronics to automatically control depth on the 1st and 3rd remotes.



The heavy-duty Reynolds Quick Hitch drawbar is engineered exclusively for TJ scraper models. In concert with the TJ "center-pull" design, the drawbar provides a superior pull angle for efficient pulling power. It comes standard with an attached tow cable.

Simple maintenance means satisfied customers

Other 4WDs can't compete with TJ's class-leading SAE rating for ease of service.

Maintaining your TJ tractor is quick and easy — so easy in fact that TJ scored highest in servicing ease according to SAE standards. There are just five daily steps (and no daily greasing), all of which can be completed from ground level:



- 1) Check fuel level using the sight gauge or by viewing the instrument cluster.
- 2) Check engine oil with a convenient dipstick.
- 3) Check engine coolant level using the clear plastic coolant recovery tank.
- 4) Check transmission oil level using the provided sight gauge.
- 5) Check axle lube/hydraulic oil using a sight gauge.

TJ's one-piece, tilt-up hood makes accessing the engine easy. You can open the convenient hood from the ground. The front grill swings open for easy



access to the radiator and cooling system. A radiator overflow bottle allows for quick visual checks of coolant level. And, a clean-out trap door located under

the radiator, allows you to clean the radiator and cooling system without hassles.



Reach batteries, washer fluid and axle lube filter through this handy right-hand service door. Steps on the door let you use a service-access window to reach the electrical components in the cab and easily route monitor cables.

Cut service costs

TJ service intervals are longer to lower your costs and make your life easier. You can go up to 500 hours between oil changes — nearly twice as long as most other 4WDs — cutting your service costs in half.

The single fuel tank on the rear frame eliminates time spent waiting for fuel to transfer to another tank. The 300-gallon fuel tank capacity is the largest available for a 4WD tractor. The TJ tank lets you stay in the field longer before refueling.



A convenient fuel-fill platform with steps, handrail, nozzle holder and sight gauge makes refueling fast and easy.

Your dealer's at the ready

If service ever requires more expert hands and knowledge, you can always turn to your New Holland dealer. For parts, service and repair, your dealer's always at the ready with can-do solutions that meet your production needs and timetable. All New Holland dealers are equipped with a service tool laptop computer. This tool can quickly troubleshoot and make adjustments for fine-tuning the tractor systems.



Service, parts, support, financing, and more — your local New Holland dealer is ready to serve you.



Specifications

Model	TJ280	TJ330	TJ380	TJ430	TJ480	TJ530
ENGINE						
Type	New Holland	New Holland	New Holland	New Holland	Cummins QSX15	Cummins QSX15
Aspiration	Turbocharged, air to air after cooled					
Displacement	505 CID (8.3 L)	543 CID (9 L)	787 CID (12.9 L)	787 CID (12.9 L)	915 CID (15 L)	915 CID (15 L)
Engine horsepower	280 hp (209 kW)	330 hp (246 kW)	380 hp (283 kW)	430 hp (321 kW)	480 hp (358 kW)	530 hp (395 kW)
PTO horsepower	225 hp (168 kW)	269 hp (201 kW)	335 hp (250 kW)	375 hp (280 kW)	425 hp (317 kW)	469 hp (350 kW)
Power growth at 1800 rpm	28 hp (21 kW)	33 hp (25 kW)	38 hp (29 kW)	43 hp (32 kW)	49 hp (36 kW)	54 hp (40 kW)
Peak Power	308 hp (230 kW)	363 hp (271 kW)	418 hp (312 kW)	473 hp (353 kW)	529 hp (394 Kw)	584 hp (435 kW)
Torque rise	35%	35%	40%	40%	40%	40%
Peak torque	1003 lb-ft (1360 Nm)	1181 lb-ft (1601 Nm)	1412 lb-ft (1914 Nm)	1596 lb-ft (2164 Nm)	1783 lb-ft (2417 Nm)	1873 lb-ft (2593 Nm)
Bore & stroke	4.49 x 5.31 in. (114 x 135 mm)	4.49 x 5.69 in. (114 x 144.5 mm)	5.3 x 5.9 in. (135 x 150 mm)	5.3 x 5.9 in. (135 x 150 mm)	5.4 x 6.7 in. (137 x 170 mm)	5.4 x 6.7 in. (137 x 170 mm)
Rated engine speed	2000	2000	2000	2000	2000	2100
Engine idle speed	850	850	875	875	875	875
CAPACITIES						
Fuel tanks	200 gal (758 L)	200 gal (758 L)	300 Gal (1138 L)	300 Gal (1138 L)	300 Gal (1138 L)	300 Gal (1138 L)
Engine oil with filter	6.3 U.S. gal (24 L)	7.33 U.S. gal (28 L) 8	8.18 U.S. gal (31 L)	8.18 U.S. gal (31 L)	13 U.S. gal (49 L)	13 U.S. gal (49 L)
Coolant system	11.4 U.S. gal. (43 L)	12.5 U.S. gal. (47 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)	21.1 U.S. gal. (80.3 L)
TRANSMISSIONS*						
Standard	16 x 2 powershift with transport mode	16 x 2 Powershift with transport mode	16 x 2 Powershift with transport mode	16 x 2 Powershift with transport mode	16 x 2 Powershift with transport mode	16 x 2 Powershift with transport mode
BRAKES						
Standard on front and rear axle	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk	Integral hydraulic wet disk
HYDRAULICS						
Type	CCLS	CCLS	CCLS	CCLS	CCLS	CCLS
Remote valves, standard	4	4	4	4	4	4
Optional remote valves**	up to 9	up to 9	up to 9	up to 9	up to 9	up to 9
Standard hydraulic pump capacity	40 GPM (151 LPM)	40 GPM (151 LPM)	40 GPM (151 LPM)	40 GPM (151 LPM)	40 GPM (151 LPM)	42 GPM (159 LPM)
Optional hydraulic pump capacity	55 GPM (208 LPM)	55 GPM (208 LPM)	55 GPM (208 LPM)	55 GPM (208 LPM)	55 GPM (208 LPM)	57 GPM (216 LPM)
Optional MegaFlow pump capacity	75 GPM (284 LPM)	90 GPM (340 LPM)	90 GPM (340 LPM)	90 GPM (340 LPM)	90 GPM (340 LPM)	94 GPM (356 LPM)
Rated flow at one remote @ 2000 psi	33 GPM (125 LPM)	33 GPM (125 LPM)	33 GPM (125 LPM)	33 GPM (125 LPM)	33 GPM (125 LPM)	33 GPM (125 LPM)
AXLES						
Final drive	Inboard 3-planetary	Inboard 3-planetary	Inboard 4-planetary	Inboard 4-planetary	Inboard 4-planetary	N/A
Heavy-Duty	N/A	N/A	Inboard compound planetary	Inboard compound planetary	Inboard compound planetary	Inboard compound planetary
Bar diameter	4 in. (102mm)	4 in. (102mm)	4.5 in. (115mm)	4.5 in. (115mm)	4.5 in. (115mm)	4.5 in. (115mm)
Differential lock option	Yes	Yes	Yes	Yes	Yes	Yes
ELECTRICAL						
Type	12-volt negative ground	12-volt negative ground	12-volt negative ground	12-volt negative ground	12-volt negative ground	12-volt negative ground
Starting system	24-volt starting circuit	24-volt starting circuit	24-volt starting circuit	24-volt starting circuit	24-volt starting circuit	24-volt starting circuit
Alternator	150 amp output	150 amp output	175 amp output	175 amp output	150 amp output	150 amp output
Optional alternator	175 amp output	175 amp output	N/A	N/A	175 amp output	175 amp output
Batteries	Two, 1000 CCA	Two, 1000 CCA	Two, 1000 CCA	Two, 1000 CCA	Two, 1000 CCA	Two, 1000 CCA

Model	TJ280	TJ330	TJ380	TJ430	TJ480	TJ530
PTO***						
Optional	1000 rpm	1000 rpm	1000 rpm	1000 rpm	1000 rpm	1000 rpm
3-POINT HITCH***						
Type	3-point Cat. IV-N/III	3-point Cat. IV-N/III	3-point Cat. IV-N	3-point Cat. IV-N	3-point Cat. IV-N	3-point Cat. IV-N
Lift capacity @ 24 in. (610mm)	15,669 lb. (7107 kg)	15,669 lb. (7107 kg)	19,620 lb. (8900 kg)	19,620 lb. (8900 kg)	19,620 lb. (8900 kg)	19,620 lb. (8900 kg)
CENTER-PULL DRAWBAR						
Static vertical load rating****	Std. 4,500 lb. (2041 kg) Opt. 11,000 lb. (4983 kg)	Std. 4,500 lb. (2041 kg) Opt. 11,000 lb. (4983 kg)	Std. 5,300 lb. (2404 kg) Opt. 11,000 lb. (4983 kg)	Std. 5,300 lb. (2404 kg) Opt. 11,000 lb. (4983 kg)	Std. 5,300 lb. (2404 kg) Opt. 11,000 lb. (4983 kg)	Std. 5,300 lb. (2404 kg) Opt. 11,000 lb. (4983 kg)
DIMENSIONS						
Maximum operating weight	39,600lb (17,962kg)	39,600lb (17,962kg)	45,600lb (20,684kg)	51,600lb (23,405kg)	54,000lb (24,494kg)	54,000lb (24,494kg)
Maximum height (with 20.8 R 42 tires)	142 in. (3608 mm)	142 in. (3608 mm)	150 in. (3818 mm)	150 in. (3818 mm)	150 in. (3818 mm)	150 in. (3818 mm)
Maximum overall length	276 in. (7010 mm)	276 in. (7010 mm)	298 in. (7558 mm)	298 in. (7558 mm)	298 in. (7558 mm)	298 in. (7558 mm)
Outside frame width	37 in. (929 mm)	37 in. (929 mm)	44 in. (1116 mm)	44 in. (1116 mm)	44 in. (1116 mm)	44 in. (1116 mm)
Wheelbase	139 in. (3531 mm)	139 in. (3531 mm)	154 in. (3911 mm)	154 in. (3911 mm)	154 in. (3911 mm)	154 in. (3911 mm)
Frame articulation	42° left/right	42° left/right	42° left/right (38° on HD/Scraper)	42° left/right (38° on HD/Scraper)	42° left/right (38° HD/Scraper)	42° left/right (38° HD/Scraper)
Frame oscillation	11° (22° total)	11° (22° total)	13° (26° total)	13° (26° total)	13° (26° total)	13° (26° total)
Centerline turn radius	15.1 ft. (4.6 m)	15.1 ft. (4.6 m)	16.7 ft (5.1 m) 18.8 ft (5.7 m) on HD/Scraper	16.7 ft (5.1 m) 18.8 ft (5.7 m) HD/Scraper	16.7 ft (5.1 m) 18.8 ft (5.7 m) HD/Scraper	16.7 ft (5.1 m) 18.8 ft (5.7 m) HD/Scraper

Scraper Versions available on TJ380, TJ430, TJ480 and TJ530. Equipped with heavy-duty axle, differential lock, high-capacity pump, scraper drawbar, tow cable, strobe light, and backup alarm.

*Manual 24 x 6 transmission available with reduced power growth and torque rise - not available on TJ480 or TJ530.

**Two of the optional remote valves with 3/4" couplers requires the MegaFlow™ pump action

*** Not available with MegaFlow™

****Vertical load ratings for optional drawbars is at inner position



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