



FOUR-WHEEL DRIVE TRACTORS

» 305 to 535 hp



» 305 to 535 hp

FOUR-WHEEL DRIVE TRACTORS



» BUILT TO FARM

The Versatile line of four-wheel drives has been developed to enhance the profitability of large-scale agricultural operations. Using high quality components, Versatile tractors focus on power, durability, and reliability – because downtime is not an option. Versatile four-wheel drive tractors include the features most requested by farmers with additional options available to customize the tractor for the needs of any farm. Engineered using heavy-duty components, the full line of Versatile four-wheel drive tractors, from 305 to 535 horsepower, feature proven Cummins engines, durable transmissions, spacious cab environments and are ready to serve your farm for years to come.





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Versatile has been using Cummins engines for more than 40 years and today Cummins is the exclusive engine supplier across the entire tractor range. Versatile engineers work closely with Cummins engineers to ensure the seamless integration of the engine with the tractor control systems.

VERSATILE TRACTORS



A history of success

Versatile was the first company to mass-produce articulated four-wheel drive tractors, starting in 1966 with the D100 and G100 four-wheel drives. Those ground-breaking tractors were primitive by modern standards, with a 6-cylinder diesel or 8-cylinder gas engine producing 100 horsepower. 1966 models sold for less than CA\$10,000.

In the 1970's, four-wheel drive demand increased significantly, with Versatile becoming a leader in four-wheel drive development and production. By the late 1970's the Versatile lineup included tractors ranging from 220 to 330 horsepower. With the 1980's came an expanded line of four-wheel drive tractors that stretched to 470 horsepower in the Versatile 1150.

In 1987, Versatile was acquired by Ford New Holland and by 1989 the four-wheel

drive tractors assembled at the Winnipeg factory were painted in the Ford colors, blue, black and white, and carried the Ford Versatile name. Production of blue four-wheel drive tractors under the New Holland name continued until 2000.

Buhler Industries Inc., a Canadian-owned farm equipment manufacturer, purchased the Winnipeg four-wheel drive plant from New Holland in 2000. Buhler continued to build the 2000 Series four-wheel drive

(240 to 425 horsepower) and launched the High Horsepower Tractor Series in 2004. With 435, 485 and 535 horsepower, it was the most powerful four-wheel drive tractor available in North America.

Buhler celebrated 40 Years of Versatile tractor production in 2006 and commemorated 50,000 Versatile-built four-wheel drives in late 2007. At the same time, Combine Factory Rostselmash Ltd., a Russian combine manufacturer, purchased

80% of the common shares of Buhler Industries Inc. At the North American dealer meeting in 2008, the company announced the return of Versatile branded tractors. The reputation of Versatile continues today, known worldwide for reliability, durability and ease of service and maintenance.

Versatile



» Proven power - Versatile tractors are powered by Cummins engines, with a minimum torque rise of 35%.

» Major components such as the engine, transmission and axles can be removed and repaired without splitting the tractor.

» The only outboard planetary axle in the industry means more traction and more horsepower at the drawbar.

» Models 435, 485 and 535 offer a mechanical transmission or the CAT® TA22 Powershift transmission.



ENGINES » BUILT-IN CUMMINS® RELIABILITY



The power to perform

Versatile tractors have been powered by Cummins engines for nearly 40 years. Cummins engines employ the latest advancements in diesel engine design and technology to provide long-term reliability. These engines are turbocharged and aftercooled for clean-burning fuel efficiency. The high-pressure injection system with electronic engine control quickly responds to load conditions or throttle adjustments, with a 35% torque rise at 1400 RPM and a 7% power bulge at 1800 RPM to meet the rigorous demands of modern agricultural operations.

Cummins QSM11

The Cummins QSM11 powers the 305, 340, 375 and 400 models. The 11-liter in-line six-cylinder turbocharged engine delivers superior performance using advanced combustion technology. The turbocharger is designed for optimum boost to improve throttle response across the operating range. Electronically controlled unit injectors with cam-driven rate shaping optimize both emissions and efficiency. The mix of proven

field performance and advanced technology is designed to be durable and reliable.

Cummins QSX15

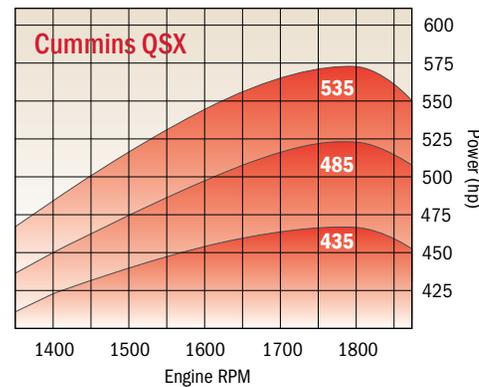
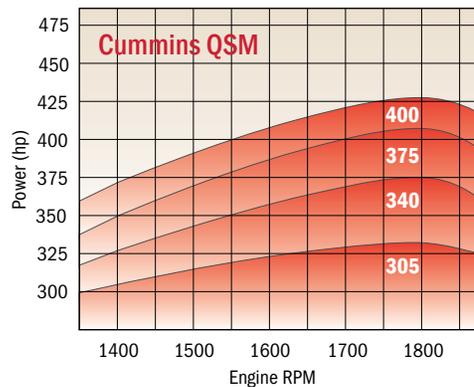
The HHT Series (435, 485 and 535 hp) is powered by the dependable Cummins QSX 15-liter six-cylinder turbocharged engine. Versatile selected the Cummins QSX15 during the development of the HHT Series to optimize the performance of the tractor, shaping power curves and ratings to align

with work environment, load factors and operating modes. The result is an efficient and reliable high horsepower tractor that will work hard for years to come.

better air flow. The larger surface area reduces the air velocity required for engine cooling, which results in more efficient fan horsepower consumption.

Bigger radiator, better cooling

The cooling system on Versatile four-wheel drive tractors uses a large grille and radiator to provide



A large auxiliary fuel filter is standard equipment. The large capacity fuel filter ensures that fuel is thoroughly cleaned to ensure harmful debris is removed before entering the engine, which is particularly important when using biofuels. This filter is visible from the ground or from the entry platform for easy inspection. »



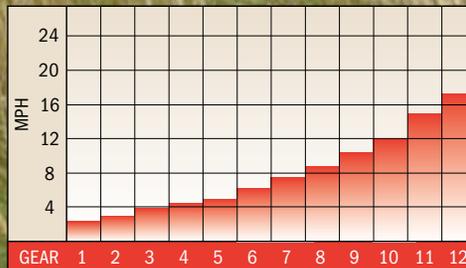
MODEL	305	340	375	400	435	485	535
Displacement	11 L	11 L	11 L	11 L	15 L	15 L	15 L
Rated engine hp	305 hp	340 hp	375 hp	400 hp	435 hp	485 hp	535 hp
Peak engine hp	330 hp	375 hp	405 hp	430 hp	465 hp	520 hp	570 hp
Power growth	25 hp	35 hp	30 hp	30 hp	30 hp	35 hp	35 hp



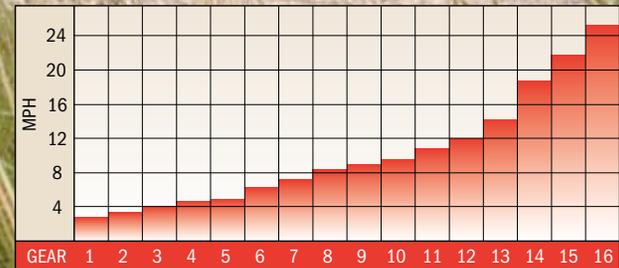
TRANSMISSION



Mechanical gear ranges » All models



Powershift gear ranges » Models 305, 340, 375, 400



Powershift gear ranges » Models 435, 485, 535

Helical cut gears generate more tooth contact for more reliable power transfer, » smoother shifts, and reduced transmission noise.



Get in gear

Each farm has specific operating conditions and implement demands. Versatile four-wheel drive tractors offer the choice of manual or powershift transmissions, each developed to efficiently manage field demands and engine horsepower. Choose the best transmission for convenience and performance.

Mechanical transmission

The mechanical 12 x 4 transmission features four synchronized sequential smooth-shifting gears in each of its three ranges. These gears have closely matched speed increments in the critical band from 3 to 8 mph to provide flexibility for every farming application.

Powershift transmission

Models 305 to 400 are equipped with a powershift transmission with 12 forward gears. Available in models 435 to 535 is a

CAT® TA22 Powershift transmission with 16 forward speeds and four reverse speeds, with eight gears in the heart of the critical field working range. Single lever control provides clutchless shifting from forward to neutral to reverse for all speeds. Powershift gear selection features are designed for simple gear selection, smooth operation and in-field convenience.

Cruise control

Engine and ground speed consistency is very important for maximizing the efficiency

of modern implements such as air seeders. Cruise control is included on all four-wheel drive tractors to maintain ground velocity or engine speed for peak horsepower and torque, or for constant PTO speed.

The next field

Farms have expanded and moving to the next field is no longer as simple as crossing the road. With that in mind, Versatile four-wheel drive tractors now have road speeds of up to 25 mph so moving equipment to the next field takes less time.



POWERSHIFT FEATURE	DESCRIPTION
Automatic speed matching	Provides automatic gear selection to match engine and ground speed.
Sequential shift	Provides smooth continuous upshifts or downshifts by holding the lever left or right.
Pulse shift	Allows upshifting or downshifting one gear at a time, by tapping the lever left or right.
Pre-select (305 - 400)	Pre-select any gear up to 8 th while in neutral. The tractor will gear up to the pre-selected gear.
Pre-select (435 - 535)	Pre-select any gear up to 10 th while in neutral. The tractor will gear up to the pre-selected gear.
Straight line shuttle shift	Shift from forward to reverse without clutching.

« The single lever control provides clutchless shifting from forward / neutral / reverse for all speeds.

HYDRAULICS

Meeting the demands of modern equipment

Modern implements require more hydraulic capacity to operate efficiently and the hydraulic system on Versatile four-wheel drive tractors has been developed to meet those demands.

The closed center load sensing hydraulic system provides ample capacity for implements that demand high hydraulic flow by providing pressure and flow on demand. When no hydraulic power is required, the system goes into low-pressure standby to conserve energy, providing more power at the drawbar.

Mechanical hydraulic levers, positioned for easy reach, manage a variety of

applications and have the flexibility to do multiple functions simultaneously. Using lever locks, the mechanical hydraulic levers can be locked in neutral, kept out of the float position, or held at retract for hydraulic motor operation.

Easily adjustable flow control knobs for four hydraulic circuits are conveniently located on the side console. Rotate the knobs to increase or decrease flow to

each of the hydraulic circuits. These rotary controls make it easy to adjust flow from the comfort of your seat. Four remote valves are standard on all four-wheel drives. Models 435, 485 and 535 have a total hydraulic



Optional electro-hydraulics, available on the 435, 485 and 535, are ergonomically designed for both comfort and convenience. Finger-tip controls manage the hydraulic functions and hydraulic flow is increased or decreased by rotary thumb wheels.

flow of 55 GPM (208 L/min), or 80 GPM (303 L/min) with the optional high flow hydraulic system, which is available with six or eight remote valves.

MODEL	305-400	435-535
Hydraulics		
Standard Flow	50 GPM (190 L/min)	55 GPM (208 L/min)
HydraFlow	N/A	80 GPM (303 L/min)





« Four hydraulic control levers are color-coded with the couplers. Each control lever has a 3-position lever lock that allows for easy setting.

Continuously variable rotary control knobs allow smooth and precise setting of the hydraulic flow. »



The hydraulic remote couplers » at the rear of the tractor are color-coded to match the hydraulic controls inside the cab. Unobstructed access makes it easy to attach implement lines.



FRAME

More weight = More strength

Each farm has specific operating conditions and implement demands. The frames on Versatile tractors are among the heaviest in the industry, designed to manage horsepower and torque without the risk of frame damage.

Frame construction

The frame is manufactured from thick high-grade steel plate to ensure structural integrity even under extreme conditions. The main bearing at the articulation point is larger than prior models to enhance reliability. The drawbar pull point on Versatile four-wheel drives is immediately behind the articulation point which provides maximum pulling power when making tight turns in the field.



Fuel capacity and weight distribution

Two fuel tanks provide a total capacity of 250 U.S. gallons in the 305, 340, 375 and 400, while models 435, 485 and 535 have a capacity of 350 U.S. gallons. The two fuel tanks are connected with a crossover tube for convenient refueling on either side of the tractor. The tanks are located at the optimum position near the center of the tractor to maintain the front-to-rear weight distribution. As the fuel level drops,

Models 305, 340, 375 and 400 feature a 2.36" (60 mm) pivot pin while models 435, 485 >> and 535 have a 3.15" (80 mm) pivot pin.

The flexibility provided by the subframe and drag link assembly permits up to 15° of oscillation on each side (30° total) as the tractor moves over uneven terrain. >>

<< Large 3.5" steering cylinders articulate the tractor smoothly and quickly. A maximum articulation angle of 42° (38° in models 305 to 400) means a tight turnaround radius of less than 16'.

the front-to-rear weight ratio remains the same so balance and ballast levels are not affected, regardless of fuel level.



Pulling power

Heavy-duty strength is required to pull today's large implements which is why all Versatile four-wheel drive models come with a standard Class 4 drawbar with optional heavy-duty drawbar support. A 2" (51 mm) hitch pin is standard.

The drawbar pull point on Versatile four-wheel drives is immediately behind the articulation point, which features a large-diameter pivot pin for maximum strength and durability. The articulation area is kept as open as possible to provide easy service access to the drivelines and the transmission.

The thick 2" (51 mm) hitch pin can be fitted with an optional 1 ½" hitch pin and bushing kit for implements that require less horsepower.



The drawbar can move from side to side or be locked in place.



A 2" (51 mm) hitch pin with auto drop is standard equipment.

Outboard planetaries

All models feature a large, reliable heavy-duty planetary final drive to provide long service with heavily ballasted tractors and big implements. Large bearings support the planetary hubs on the axle housings. They are built with large axle tubes and planetaries capable of standing up to heavy weights and capable of handling increased bending loads associated with wide dual or triple wheel options.



⤴
It's simple to repair the planetary gears without the need to jack up and support the tractor to remove the complete axle. Planetary axle covers can be removed from the tractor without removing the axles and tires.

Removing the planetary cover exposes the planetary gears, the sun gear and the axle shaft for service or routine maintenance. ⤵



Outboard Planetary Axles

In the 1970's, Versatile engineers developed the outboard single reduction planetary axle, known in the industry for its strength, simplicity, ease of service and wheel mounting. The tradition of building the most reliable planetary combination in the industry starts with placing the planetary and sun gears towards the outside of the

axle. Outboard planetary axles deliver all available horsepower through a large, precision machined floating sun gear. The planetary hubs are suspended on large diameter bearings mounted directly to the axle tubes. The load is supported by the axle housing assembly and not by the drive train components. All Versatile four-wheel drive tractors feature reliable final drives

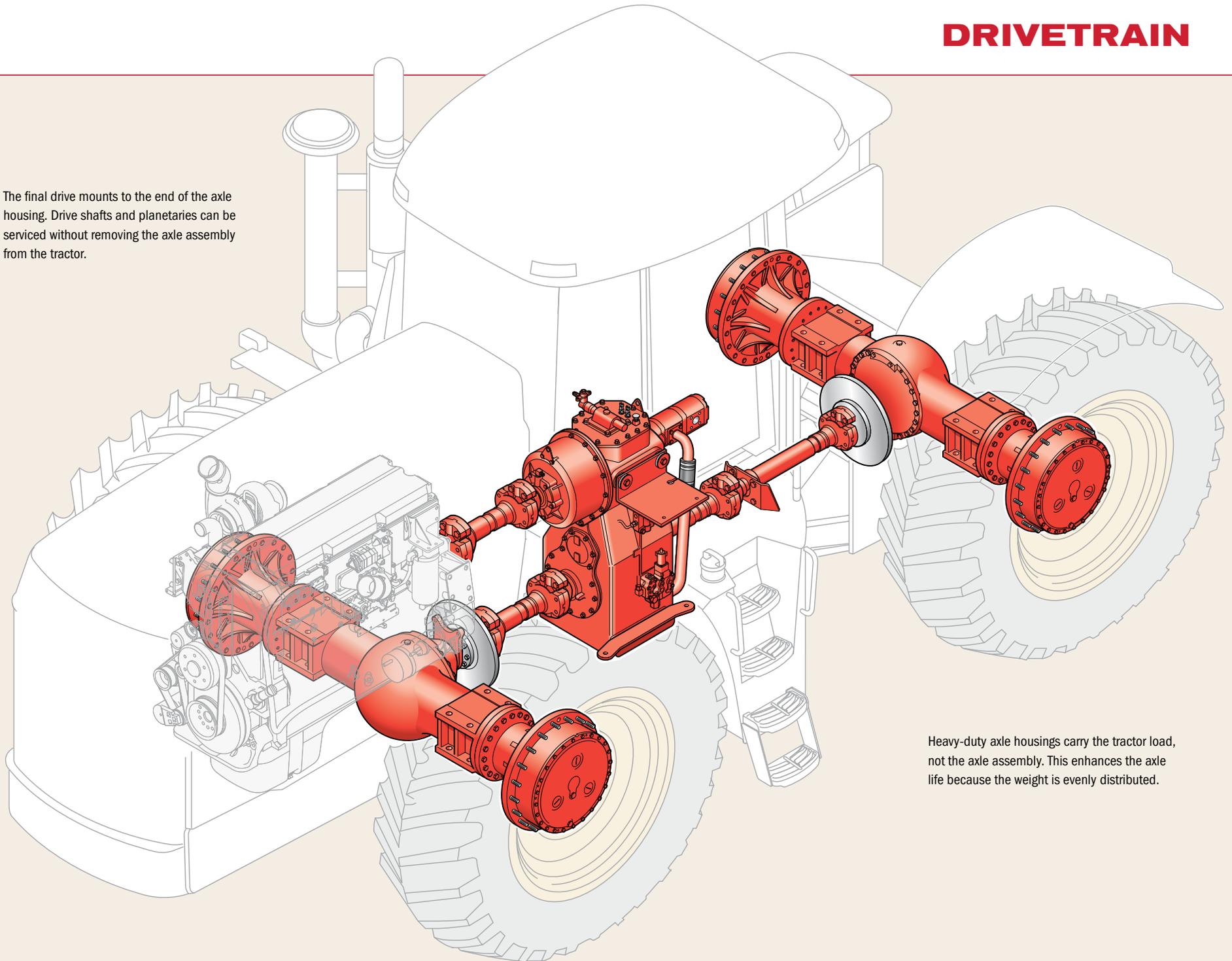
that deliver horsepower where it counts: at the drawbar.

The planetary axles remain on the tractor during routine maintenance, limiting downtime. Daily inspections are easy with a quick visual check of the axle oil level indicators. The gears can also be reversed to extend the wear life.



DRIVETRAIN

The final drive mounts to the end of the axle housing. Drive shafts and planetaries can be serviced without removing the axle assembly from the tractor.



Heavy-duty axle housings carry the tractor load, not the axle assembly. This enhances the axle life because the weight is evenly distributed.



Comfort, convenience, customization

The cab has been designed to meet the demands of evolving farming trends. The access steps are recessed in the fuel tank and the handrails and door handle are functional and easy to reach. The wider cab offers excellent 360° visibility for fieldwork and maneuvering large modern implements and there is a clear sightline to the drawbar when attaching equipment. The high-resolution electronic display is easy to read and provides operating data at a glance and the side console features a convenient fingertip-control throttle.



The standard cab offers an air-ride suspension swivel seat while the Deluxe Cab includes a heated, semi-active suspension seat.

The standard cab can be customized with many comfort and convenience options while the Deluxe Cab creates the ultimate in-cab environment. The Deluxe Cab features a heated, semi-active air-ride suspension seat as well as a secondary training seat. Front and rear sun visors are included and electronic automatic climate control will maintain the desired cab temperature. Power-adjustable heated external mirrors, front and rear wipers and washers and a monitor-mounting bracket with available power complete the Deluxe Cab package.

Large controls for the heat and air conditioning are conveniently located to easily manage the cab environment. Plenty of storage space is provided behind and beside the seat for lunch coolers and toolboxes. The result is enhanced comfort to make the long day seem short.

An AM / FM / CD stereo with two speakers is optional. The upgraded package adds two speakers and satellite radio.*



« Enjoy a clear view from the seat of your cab. With minimal obstruction the hood works as a convenient siteline.

CAB FEATURES	Standard	Deluxe
Cab		
Next generation cab with new right swing door and 8" wider interior	•	•
Seat		
Air-ride suspension swivel seat with full control	•	N/A
Heated, semi-active suspension seat	N/A	•
Training seat	Opt	•
Visibility		
Front windshield wiper and washer	•	•
Rear windshield wiper and washer	•	•
External mirrors	•	•
Power / heated external mirrors	N/A	•
Front sun visor	Opt	•
Rear sun visor	N/A	•
Dual dome lights	•	•
Rotating magnetic roof-mounted beacon	Opt	•
Climate control		
Manual climate control	•	N/A
Electronic automatic climate control	N/A	•
Vents (6 driver-facing roof mounted, 1 floor mounted, 1 windshield)	•	•
Controls and features		
Monitor mounting bracket with power	Opt	•
Cruise control	•	•
Tilt and telescoping steering wheel	•	•
AM / FM / CD stereo with 2 speakers	Opt	Opt
AM / FM / CD / Satellite-ready* stereo with 4 speakers	Opt	Opt
12V power outlets (2 one-pin and 2 multi-pin)	•	•
Cab comfort		
Storage compartment	•	•
Cigarette lighter	•	•
Foot rest	N/A	•
Built-in trouble light with retractable cord	N/A	•
Cargo net	Opt	•

Note: the Deluxe Cab is a bundled package.

Some Deluxe Cab features can be ordered as options in the standard cab.

*XM™ or Sirius™ Satellite Radio. Monthly subscription fees may apply.



« There is a clear sightline to the drawbar when attaching implements.

Optional electronic automatic climate control maintains the desired » cab temperature.



The training seat is standard in the Deluxe Cab and can be added on to the standard » cab as an option.



CONTROLS

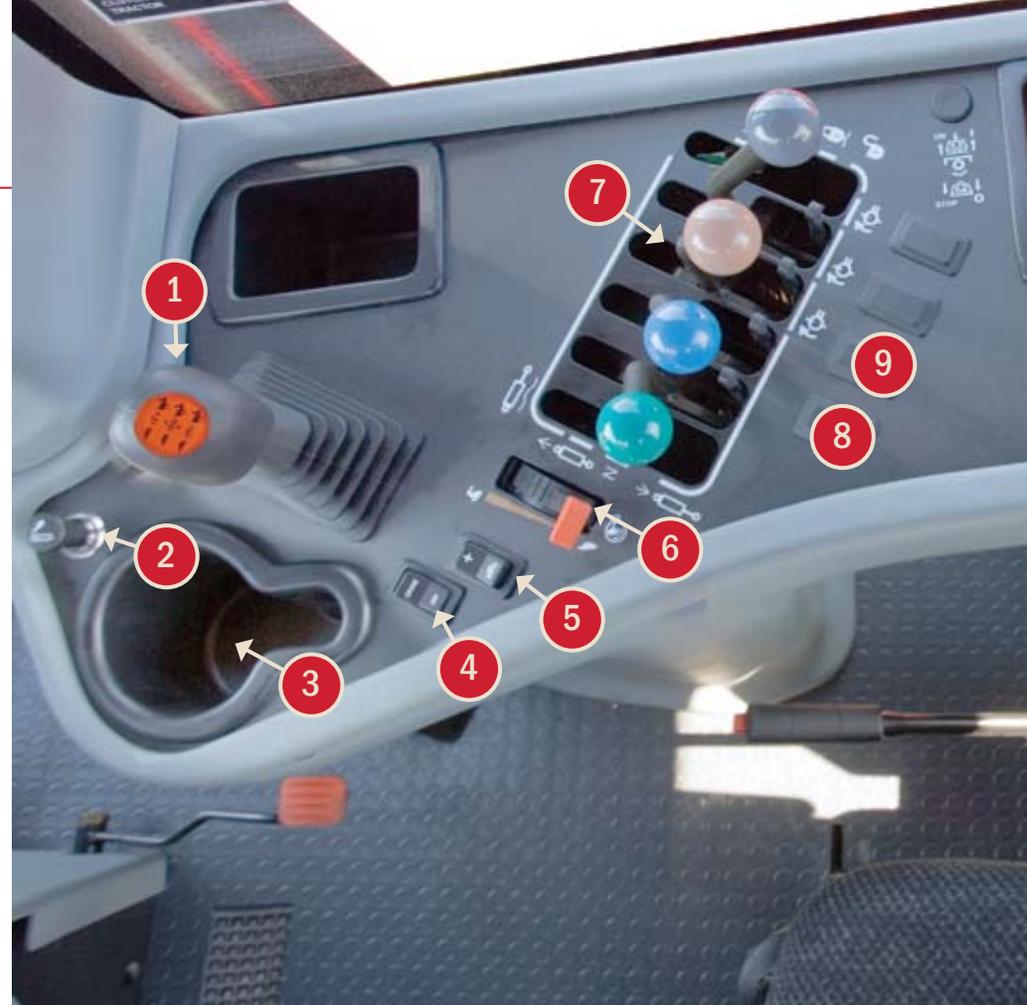
Common-sense console

Why add complication to tractor operation? The levers and control switches are clearly labeled, the console layout is uncluttered, and the controls are easy to use, even for novice operators.

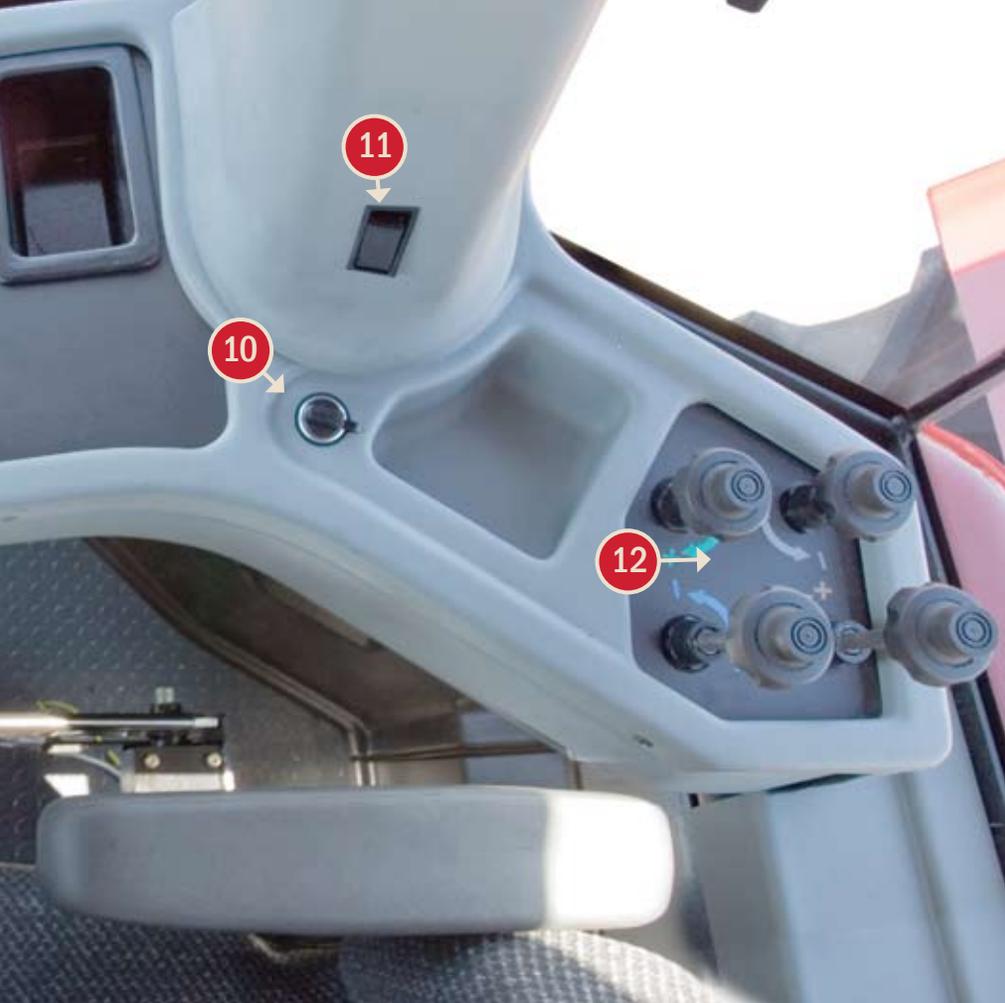
The information center, located on the center console, features large digital gauges. The most important information is prominently displayed and easy to understand with just a glance. Coolant temperature, oil pressure, fuel level and battery meter are all indicated on bar-graph gauges. The console is designed to minimize glare, while being well-lit for night time operation.



« To closely monitor the performance of the tractor and implement, the tractor performance monitor is located in the lower-right corner of the information center and provides information on actual ground speed and slip percentage.



1. Powershift transmission control lever
2. Cigarette lighter
3. Cup holder
4. Cruise control on/off switch
5. Cruise control +/- increment/decrement switch
6. Hand throttle control lever
7. Hydraulic lever control
8. Differential lock switch (optional)
9. CAT® TA22 transmission autoshift switch (optional)
10. Power socket
11. Fuse and relay panel cover
12. Flow controls



OPTIONAL ELECTRO-HYDRAULICS*



- 13. Electro-hydraulic engagement switch
- 14. Electro-hydraulic control pods (optional)
- 15. Remote valve electro-hydraulic control switches
- 16. Remote valve electro-hydraulic flow control knobs
- 17. Remote valve electro-hydraulic manual/programmable operation switches

* Models 435, 485, 535

Worklights

For low-light working conditions, Versatile tractors are equipped with fourteen standard worklights mounted on the grille, front fenders, rear fenders and cab. To maximize visibility an optional HID lighting package is available.

There are never enough hours in the day so light your way with HID. These lights provide up to ten times more light than conventional headlights. For additional safety, rotating magnetic roof-mounted beacon lights are also available.



« The HID light package replaces four of the standard halogen work lamps with field illuminating HID lights, one on each fender and two headlights on the grille.

Standard Equipment

- » Cummins turbocharged engine
- » Air suspension seat
- » Front / rear wiper and washer
- » Tilting, telescoping steering wheel
- » Mounting points for monitors
- » In-dash diagnostics
- » Seven pin trailer connector
- » Right-hand side vertical exhaust
- » Primary and auxiliary fuel filter
- » Block heater
- » Coolant conditioner filter

Optional Equipment

- » Front / rear differential lock
- » Electro-hydraulics
- » HID light package
- » Deluxe Cab
- » Heavy-duty axles
- » Heavy-duty drawbar support kit
- » 1 ½" drop pin and bushing kit
- » Tow cable
- » Weight packages
- » Performance monitor with radar
- » Canbus engine monitor
- » Auto-steer-ready kit

Visit your dealer for the full list of optional equipment.

OPTIONS

Even more for your machine

Versatile tractors are well-equipped with the standard features most-requested by farmers. Additional options are available to customize the tractor for the requirements of your farm.

Auto-Steer Ready

GPS technology saves time, fuel, and money when mated with an auto-steer system that prevents overlap and maintains the field heading. Versatile is pleased to offer an optional factory-installed auto-steer-ready kit that is compatible with most auto-steer packages on the market. You can incorporate the auto-steer kit that is best suited to your agriculture operation.



High-intensity discharge (HID) lighting

HID lights have proven themselves to be very useful in agriculture operations. There's never enough hours of daylight and HID lighting provides up to ten times more light than conventional headlights. Known for casting a blue hue, an HID light kit is available as a front and rear package.

The heavy-duty drawbar increases static load capacity for implements such as grain carts, silage trailers and manure wagons. »

Hydraulic remotes

Available with six or eight hydraulic remotes, 435, 485 and 535 are available with high-flow hydraulics for increased flow to meet the demands of modern implements.



All models can be equipped with front, rear and rear mid-mount weight packages. »

« All models offer an optional factory installed auto-steer-ready kit, compatible with most auto-steer packages.





◀ HID lights are available as a front and rear package.

OPTIONS	305, 340, 375, 400	435, 485, 535
Front / rear differential lock	Opt	Opt on 435
Electro-hydraulics	N/A	Opt
Hitch		
Quick hitch attachment	Opt	N/A
1 ½" hitch pin and bushing kit	Opt	Opt
Heavy-duty drawbar support kit	Opt	Opt
Tow Cable	Opt	Opt
Kits		
Implement status switch kit, (TPM only)*	Opt	N/A
Implement status switch harness extension kit (TPM only)	Opt	N/A
¾" coupler kit with ½" return line	Opt	Opt
Auxiliary 3-pin connector kit	N/A	Opt
Debris / mud kit	Opt	N/A
Vehicle Management		
Motorized flow control (1 section)	N/A	Opt
Performance monitor with radar	Opt	Opt
Canbus engine monitor	Opt	Opt
Weight Packages		
Front weight packages	Opt	Opt
Rear weight package	Opt	Opt
Rear mid-mounted weight package	Opt	Opt
Lighting		
Rotating magnetic roof mounted beacon	Opt	Opt
HID light package, front and rear	Opt	Opt
Accessories		
French decal kit	Opt	Opt
AM / FM / CD stereo with 2 speakers	Opt	Opt
AM / FM / CD / Satellite-ready† stereo with 4 speakers	Opt	Opt
Rear toolbox**	Opt	Opt

*One switch kit included with each tractor equipped with a 3-point hitch at the factory.

† XM™ or Sirius™ Satellite Radio. Monthly subscription fees may apply.

** Not available with rear weight package.



Daily Maintenance

- » The side panels open to provide easy access to key service points.
- » Conveniently located sight gauges make for quick fluid checks.
- » Equipped with a dual-point fuel fill, refueling can be accomplished from either side of the tractor.

Routine Maintenance

- » The pre-cleaner in front of the air filter keeps maintenance to a minimum. When servicing is required, an air restriction indicator light on the dash alerts the operator.

Major Components

- » Major components such as the engine, transmission and axles can be removed and repaired without splitting the tractor, reducing downtime and expense.

SERVICE & MAINTENANCE

Ease of service

There are never enough hours in the day and every minute counts. That's why all Versatile tractors are designed with easy serviceability in mind. Routine service can extend the life of your tractor, minimize downtime and lower your operating costs.

Daily Maintenance

Daily maintenance is made effortless with side shields that open up and out of the way to allow access to fill points and dipsticks. Fluid checks are easy with conveniently located sight gauges. A swing-out assembly on the front grille and radiator expose the hydraulic and transmission oil coolers, air conditioning condenser, fuel cooler, and charge air cooler for fast cleaning.

Axle Servicing

The Versatile outboard planetary axle system is known for its ease of service. Planetary axle covers can be removed from the tractor without removing the axles and tires, limiting the amount of time needed for routine maintenance. Daily inspections are easy with a quick visual check of the axle oil level sight gauges.

Fueling

Refueling can easily be accomplished from either side of the tractor. A crossover tube allows both tanks to be filled quickly and with capacities of 250 and 350 U.S. gallons (946 and 1325 L) you'll have many hours in the field before stopping for fuel.



« Open the right-hand side hood to check belt tension.

The air filter is easily accessible from ground level » and can be removed without the use of tools.





« Check engine oil and sight gauges from ground level.

Fueling can be done on either side of the tractor by way of a crossover » tube.



The grille opens for access to the radiator and cooling » system.



WARRANTY » PARTS & SERVICE

Ownership benefits

Investing in equipment for your farming operation is an important decision and a long-term commitment. The Versatile 3-year / 3000-hour powertrain warranty ensures an excellent ownership experience. Your Versatile dealer has access to our dealer service support system, including a wide base of knowledge on current and past Versatile models and expansive parts inventory.

Warranty

Versatile tractors come with a 3-year / 3000-hour warranty that provides peace of mind. The warranty includes 2-years / 2000-hour comprehensive coverage and major powertrain components such as the engine and transmission are covered for an additional 1-year / 1000-hours.

Parts & Service

Versatile dealers have access to an extensive parts supply that is well stocked with the parts for routine scheduled maintenance. Versatile maintains an extensive parts supply for tractors dating back more than 20 years. Your Versatile dealer has factory-trained technicians that can handle everything from routine scheduled maintenance to major service and overhauls.



Replacement parts for older model Versatile tractors may be available from your local dealer.



VERSATILE FINANCE

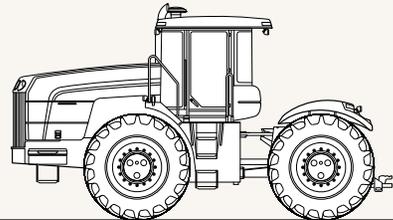
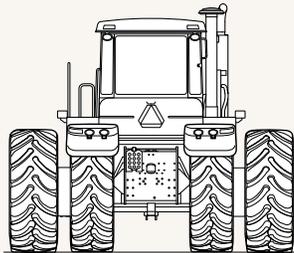
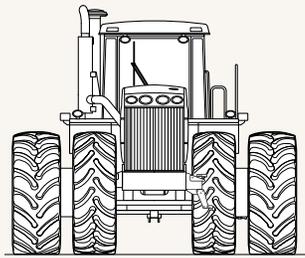


Now you can purchase or lease your tractor with competitive rates through Versatile Finance. Versatile has partnered with one of the foremost leaders in agricultural financial services to provide attractive interest rates and fast acceptance to get you the equipment you need when you need it. Ask your dealer about the credit options available with Versatile Finance.

VERSATILE
FINANCE

SPECIFICATIONS » 305, 340, 375, 400

SPECIFICATIONS	ALL MODELS
Engine	
Engine type	Cummins QSM11
Aspiration	Turbocharged & air-to-air aftercooled
Displacement	11-liter
Dimensions	
Wheelbase	142" (3597 mm)
Height to top of exhaust	146" (3720 mm)
Height to top of cab	143" (3627 mm)
Overall length, no ballast weights	265" (6750 mm)
Ground clearance, at drawbar	16.9" (430 mm)
Turning radius (with base tires)	191.5" (4860 mm)

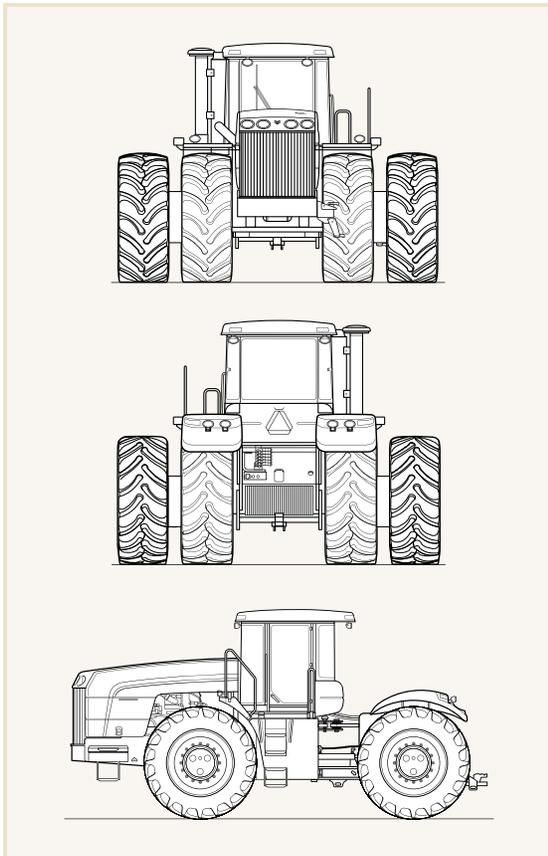


MODEL	305	340	375	400
Engine performance				
Horsepower	305 hp (224 kw)	340 hp (254 kw)	375 hp (280 kw)	400 hp (298 kw)
Power bulge	7% at 1800 RPM	7% at 1800 RPM	7% at 1800 RPM	7% at 1800 RPM
Peak horsepower	330 hp (246 kw)	375 hp (280 kw)	405 hp (302 kw)	430 hp (321 kw)
Torque rise	35% at 1400 RPM	35% at 1400 RPM	35% at 1400 RPM	35% at 1400 RPM
Peak torque	1050 lb-ft	1150 lb-ft	1275 lb-ft	1350 lb-ft
Fuel system				
Capacity	250 U.S. gal (946 L)	250 U.S. gal (946 L)	250 U.S. gal (946 L)	250 U.S. gal (946 L)
Filter	Engine mounted with water separator Rock screen	Engine mounted with water separator Rock screen	Engine mounted with water separator Rock screen	Engine mounted with water separator Rock screen
Transmission				
Quadshift transmission	Mechanical 12 x 4: 12 forward speeds, 4 reverse speeds, 4 synchronized gears in each of the 3 forward ranges			
Powershift transmission	Powershift 12 x 2: 12 forward speeds, 2 reverse speeds, electronic valve clutch pack actuation			
Maximum speed	Quadshift: 22 mph (35 kph) / Powershift: 17 mph (27 kph)			
Axles				
Versatile Outboard Planetary Axles	Standard	Standard or heavy-duty	Heavy-duty	Heavy-duty
Differential Lock	Optional	Optional	Optional	Optional
Brakes	Dry caliper	Dry caliper	Dry caliper	Dual dry caliper
Hydraulic Trailer Brakes	N/A	N/A	N/A	N/A
Hydraulics - type				
Closed Center Load Sensing System				
Standard Flow	50 GPM (190 L/min)	50 GPM (190 L/min)	50 GPM (190 L/min)	50 GPM (190 L/min)
HydraFlow	N/A	N/A	N/A	N/A
Hydraulic remotes (mechanical)	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional
Maximum system pressure	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)
Electrical System				
Alternator	12V - 160 amps	12V - 160 amps	12V - 160 amps	12V - 160 amps
Batteries	3-12V, 950 CCA each	3-12V, 950 CCA each	3-12V, 950 CCA each	3-12V, 950 CCA each
Drawbar				
Vertical load rating	6,000 lb (2,722 kg)	6,000 lb (2,722 kg)	6,000 lb (2,722 kg)	6,000 lb (2,722 kg)
- with heavy-duty drawbar support	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)
Hitch pin diameter (with auto drop)	2" (51 mm)	2" (51 mm)	2" (51 mm)	2" (51 mm)
Quick Hitch	Optional	Optional	Optional	Optional
Weight				
Base tractor weight*	31,500 lb (14,288 kg)	31,500 lb (14,288 kg)	31,500 lb (14,288 kg)	31,500 lb (14,288 kg)
Maximum operating weight	32,000 lb (14,515 kg)	34,000 lb (15,422 kg)	37,500 lb (17,010 kg)	40,000 lb (18,144 kg)
Capacities				
Fuel tank	250 U.S. gal (946 L)	250 U.S. gal (946 L)	250 U.S. gal (946 L)	250 U.S. gal (946 L)
Engine crankcase with filter	9.7 U.S. gal (36.7 L)	9.7 U.S. gal (36.7 L)	9.7 U.S. gal (36.7 L)	9.7 U.S. gal (36.7 L)
Cooling system	15.9 U.S. gal (60 L)	15.9 U.S. gal (60 L)	15.9 U.S. gal (60 L)	15.9 U.S. gal (60 L)
Hydraulic system	20 U.S. gal (75.7 L)	20 U.S. gal (75.7 L)	20 U.S. gal (75.7 L)	20 U.S. gal (75.7 L)
Planetary axle, each (standard)	11.1 U.S. gal (42 L)	11.1 U.S. gal (42 L)	N/A	N/A
Planetary axle, each (heavy-duty)	N/A	13.5 U.S. gal (51 L)	13.5 U.S. gal (51 L)	13.5 U.S. gal (51 L)
Windshield washer reservoir	3.5 qt (3.3 L)	3.5 qt (3.3 L)	3.5 qt (3.3 L)	3.5 qt (3.3 L)

*A base tractor is considered to have a mechanical transmission, with 710/70R38 drum-style duals, a standard drawbar, no fuel, no operator, no special added equipment, and no ballast.

SPECIFICATIONS » 435, 485, 535

SPECIFICATIONS	ALL MODELS
Engine	
Engine type	Cummins QSX15
Aspiration	Turbocharged & air-to-air aftercooled
Displacement	15-liter
Dimensions	
Wheelbase	154" (3930 mm)
Height to top of exhaust	155" (3940 mm)
Height to top of cab	11.9' (3450 mm)
Overall length, no ballast weights	299" (7630 mm)
Ground clearance, at drawbar	21.9" (556 mm)
Turning radius (with base tires)	191.5" (4860 mm)



MODEL	435	485	535
Engine performance			
Horsepower	435 hp (324 kw)	485 hp (362 kw)	535 hp (399 kw)
Power bulge	7% at 1800 RPM	7% at 1800 RPM	7% at 1800 RPM
Peak horsepower	465 hp (347 kw)	520 hp (389 kw)	570 hp (425 kw)
Torque rise	35% at 1400 RPM	35% at 1400 RPM	35% at 1400 RPM
Peak torque	1475 lb-ft	1650 lb-ft	1800 lb-ft
Fuel system			
Capacity	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)
Filter	Engine mounted with water separator	Engine mounted with water separator	Engine mounted with water separator
Filler neck	Rock screen	Rock screen	Rock screen
Transmission			
Quadshift transmission	Mechanical 12 x 4: 12 forward speeds, 4 reverse speeds, 4 synchronized gears in each of the 3 forward ranges		
Powershift transmission	Caterpillar Powershift 16 x 4: 16 forward speeds, 4 reverse speeds, electro-hydraulic, fully modulated, oil-cooled, multidisc		
Maximum speed	Quadshift: 22 mph (35 kph) / Powershift: 25 mph (40 kph)		
Axles			
Versatile Outboard Planetary Axles	Standard or heavy-duty	Heavy-duty	Heavy-duty
Differential Lock	Optional	N/A	N/A
Brakes	Dual dry caliper	Dual dry caliper	Dual dry caliper
Hydraulic Trailer Brakes	Optional	Optional	Optional
Hydraulics			
Hydraulic type	Closed Center Load Sensing System	Closed Center Load Sensing System	Closed Center Load Sensing System
Standard flow	55 GPM (208 L/min)	55 GPM (208 L/min)	55 GPM (208 L/min)
High flow hydraulic system	80 GPM (303 L/min)	80 GPM (303 L/min)	80 GPM (303 L/min)
Hydraulic remotes (mechanical)	4 standard, 6 optional	4 standard, 6 optional	4 standard, 6 optional
Hydraulic remotes (electro-hydraulic)	4 standard, 6 or 8 optional	4 standard, 6 or 8 optional	4 standard, 6 or 8 optional
Maximum system pressure	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)
Electrical System			
Alternator	12V - 160 amps	12V - 160 amps	12V - 160 amps
Batteries	3-12V low maintenance, 950 CCA ea.	3-12V low maintenance, 950 CCA ea.	3-12V low maintenance, 950 CCA ea.
Drawbar			
Vertical load rating	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)	9,000 lb (4,082 kg)
- with heavy-duty drawbar support	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)	12,000 lb (5,443 kg)
Hitch pin diameter (with auto drop)	2" (51 mm)	2" (51 mm)	2" (51 mm)
Weights			
Base tractor weight*	42,000 lb (19,050 kg)	42,000 lb (19,050 kg)	42,000 lb (19,050 kg)
Maximum operating weight	43,500 lb (19,731 kg)	48,500 lb (21,999 kg)	53,500 lb (24,267 kg)
Capacities			
Fuel tank	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)	350 U.S. gal (1325 L)
Engine crankcase with filter	12.6 U.S. gal (47.8 L)	12.6 U.S. gal (47.8 L)	12.6 U.S. gal (47.8 L)
Cooling system	22 U.S. gal (83 L)	22 U.S. gal (83 L)	22 U.S. gal (83 L)
Hydraulic system	30 U.S. gal (113.6 L)	30 U.S. gal (113.6 L)	30 U.S. gal (113.6 L)
Planetary axle, each	15.1 U.S. gal (57 L)	15.1 U.S. gal (57 L)	15.1 U.S. gal (57 L)
Windshield washer reservoir	4 qt (3.8 L)	4 qt (3.8 L)	4 qt (3.8 L)

*A base tractor is considered to have a mechanical transmission, with 710/70R42 drum-style duals, a standard drawbar, no fuel, no operator, no special added equipment, and no ballast.



1260 Clarence Avenue » Winnipeg, Manitoba » Canada R3T 1T2

Telephone: 204.661.8711 » Fax: 204.654.2503 » Toll Free: 888.524.1003 » E-mail: info@versatile-ag.com » www.versatile-ag.com

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