

NEMESIS 2023

 VERSATILE



NEMESIS

PERFORMANCE MADE EASY

The Versatile Nemesis is built with productivity in mind. These mid-range tractors are truly versatile and can be used in a wide variety of applications ranging from mowing, baling hay, material handling or field work. Top-of-the-line features and options include the largest cab in the industry, an advanced hydraulics system and choice of CVT or powershift transmission. The five available tractor models are 175, 195, 210, 235 and 255.

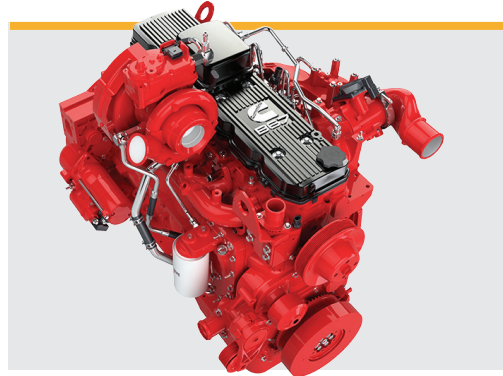
Models	175	195	210	235	255
Rated hp	170 hp	190 hp	210 hp	230 hp	250 hp
Peak hp	195 hp	215 hp	220 hp	260 hp	272 hp
Peak Torque	594 lb-ft	637 lb-ft	668 lb-ft	760 lb-ft	793 lb-ft
Engine	Cummins B6.7 (Stage V)				
Transmission	ZF Powershift, TPT20 (30 forward, 15 reverse) Optional: ZF CVT, TMT20			ZF CVT, TMT25	
Base Weight	18,894 lbs (7,970 kg)			19,425 lbs (8,811 kg)	



PRODUCT HIGHLIGHTS

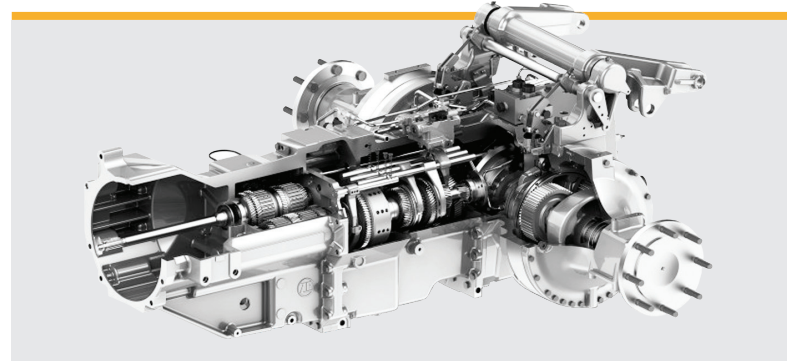
- CVT or powershift transmission
- Largest cab in the segment
- Easy to use controls
- Rear 3-point hitch and PTO
- Optional front 3-point hitch and PTO
- Optional self-leveling loader with soft ride

NEMESIS FEATURES



CUMMINS ENGINE

The Nemesis is powered by a reliable Stage V compliant Cummins B6.7 engine that features the latest in diesel technology. The engine is known for maintaining torque for long periods of time and when working through unexpected tough spots in the field. The award-winning Cummins VGT (Variable Geometry Turbo) is proven to be one of the most reliable turbo designs in the industry.



ZF TRANSMISSION

The Nemesis comes complete with one of the most reliable and easy to operate transmissions in the industry. Operators can choose between a ZF powershift (175-210 only) or CVT, selecting the transmission that best suits their specific needs.

POWERSHIFT: The ZF powershift transmission balances power and productivity. The auto-shift feature allows for set rpm and ground speeds without constant input from the operator. The Intelligent Range Shift (IRS) quickly reaches optimum working speeds resulting in less operator fatigue by offering full speed matching in all gears (30 forward and 15 reverse). The ZF powershift comes standard on the 175, 195 and 210.

CVT: Stay in continuous control with a CVT from ZF. The transmission can be easily operated using the command lever or foot throttles. The high-low adaptive speed selections are programmed to meet the needs of various jobs and applications around the farm. The CVT is standard on the 235 and 255, and optional for the 175, 195 and 210.



VERSATILE CBX

Having better information means making better decisions. The Versatile CBX system can be used to monitor equipment history, mapped location, idle time and fuel levels. The CBX system securely and instantly shares relevant equipment information if an issue occurs. This technology makes it possible to fully understand the situation and quickly find an effective solution, resulting in less downtime.



LARGEST CAB IN THE SEGMENT

The largest cab in the segment offers unmatched visibility with 74.05 sq. ft. (6.87 sq. m) of window glass and ample legroom. Enjoy the convenience of a multi-port power supply located at the rear of the cab, including outlets for monitors, USB style chargers, and a 115-volt AC outlet for laptops or other devices. The optional suspended axle and semi-active suspended cab achieve a smoother, quieter and more enjoyable ride.



EASY TO UNDERSTAND CONTROLS

Take charge with a clear user interface and easy to use command lever. The lever is built into the armrest and allows the operator to manage key tractor functions with ease. The armrest controls combine functions such as headland management, 3-point hitch control, auto-shift, and auto-steer engagement.



ADVANCED HYDRAULICS

The advanced hydraulics system comes with a 31 gpm (120 L/min) hydraulic pump as standard. The hydraulic configuration can be customized to meet the needs of a wide range of jobs on the farm. Hydraulic performance can be monitored using the cab display and effortlessly controlled using hydraulic levers. Available options include Power Beyond and a 42 gpm (160 L/min) high flow hydraulic system or 48 gpm (180 L/min) high flow system on the 235 and 255.

NEMESIS FEATURES



3-POINT HITCH & PTO

Enjoy added flexibility and use a wide range of attachments with the standard rear 3-point hitch and PTO as well as the optional front 3-point hitch with PTO.

REAR 3-POINT HITCH & PTO (STANDARD): The PTO system features an ECO mode which reduces engine rpm to increase fuel efficiency. The size of the standard PTO is 540 rpm (1 $\frac{3}{8}$ " 6 spline) and 1,000 rpm (1 $\frac{3}{8}$ " 21 spline) with a larger 1,000 rpm (1 $\frac{3}{4}$ " 20 spline) upgrade available. The rear 3-point hitch is engineered for quick and simple hook up and can be easily operated using the armrest controls. The rear hitch on the 175, 195 and 210 has a lift capacity of 15,543 lbs (7,050 kg). The rear hitch on the 235 and 255 has a lift capacity of 16,314 lbs (7,400 kg) and optional lift capacity of 19,400 lbs (8,800 kg).

FRONT-3 POINT HITCH & PTO (OPTIONAL): Use a wide range of attachments with the optional front 3-point hitch with PTO. The size of the front PTO is 1,000 rpm (1 $\frac{3}{8}$ " 21 spline). The front hitch on all models features a lift capacity of 8,818 lbs (4,000 kg).

SERVICE & MAINTENANCE

Make every second count with the Nemesis. The mid-range tractor comes with easy to access service points and a conveniently located dipstick to check engine oil levels. The sight gauges for the hydraulic oil, transaxle, washer fluid and coolant are accessible and visible from ground level. Daily maintenance and routine service can extend tractor life, maximize uptime and lower operating costs.

FRONT-END LOADER

Get more work done with an optional front-end loader. The loader has an impressive lift capacity of 5,490 lbs (2,490 kg) and features a mechanical self-leveling system with soft ride to maintain balance and control. The loader boasts a maximum lift height and reach of 181" (4.6 m) and a 102" (2,591 mm) bucket. Loader functions are conveniently controlled by an electric joystick and displayed on the cab monitor, helping improve the overall operator experience.

OPTIONS

The Nemesis is well-equipped with standard features. The following options are available to further enhance the tractor:

Transmission

- ZF CVT (optional on 175, 195, 210)

Lighting Packages

- 12 halogen cab lights
- 12 LED cab lights, 30,000 lumens
- Six LED vehicle lights, 15,000 lumens
- Rotating beacons

Cab

- Suspended cab (requires suspended front axle)
- Semi-active heated fabric seat
- Heated and ventilated leather seats
- Satellite radio

Hydraulics

- Power Beyond
- Additional set of $\frac{1}{2}$ " couplers (pressure and sensing)
- Case drain, $\frac{3}{8}$ " flat face coupler
- $\frac{3}{4}$ " low pressure return coupler
- Multiple high flow hydraulic options available

Drawbar, Hitch & PTO

- Heavy-duty Category III drawbar
- Front 3-point hitch and PTO (requires high flow hydraulics and variable pitch reversing engine fan)
- Quick hitch

ADDITIONAL OPTIONS

- Front-end loader
- Variable pitch reversing engine fan
- Weight packages
- ISOBUS ready connection harness
- Universal Auto-Steer

NEMESIS SPECIFICATIONS

	175	195	210	235	255
ENGINE					
Engine Model	Cummins B6.7 (Stage V)				
Displacement	6.7 L (408 cid)				
Horsepower ¹	170 hp (128.6 kW) @ 2,100 rpm	190 hp (141.7 kW) @ 2,100 rpm	210 hp (157 kW) @ 2,100 rpm	230 hp (172 kW) @ 2100 rpm	250 hp (186 kW) @ 2100 rpm
Peak Horsepower	195 hp (145 kW) @ 1,900 rpm	215 hp (160 kW) @ 1,900 rpm	220 hp (164 kW) @ 1,900 rpm	260 hp (193 kW) @ 1900 rpm	272 hp (203 kW) @ 1900 rpm
Torque Rise	34% @ 1,500 rpm	30% @ 1,500 rpm	27% @ 1,500 rpm	29% @ 1,600 rpm	28% @ 1,600 rpm
Peak Torque	594 lb-ft (805 Nm)	637 lb-ft (863 Nm)	668 lb-ft (906 Nm)	760 lb-ft (1030 Nm)	793 lb-ft (1075 Nm)
PTO Horsepower (Stationary) ²	147 hp (110 kW)	150 hp (112 kW)	157 hp (117 kW)	213 hp (159 kW)	224 hp (167 kW)
PTO Horsepower (Field) ²	147 hp (110 kW)	160 hp (119 kW)	172 hp (128 kW)	213 hp (159 kW)	224 hp (167 kW)
Aspiration	Turbocharged and air-to-air aftercooled				
TRANSMISSION					
Transmission Type (standard)	ZF Powershift (30 forward, 15 reverse)			ZF CVT	
Transmission Type (optional)	ZF CVT			-	
CVT Speed Range (standard)	Turtle mode 0.02-20 km/h - Rabbit mode 0.02-40 km/h				
CVT Speed Range (optional)	Turtle mode 0.02-20 km/h - Rabbit mode 0.02-50 km/h				
Powershift Speed (standard)	25 mph (40 km/h)			-	
Powershift Speed (optional)	31 mph (50 km/h)			-	
HYDRAULICS					
Type	Closed center load sensing system				
Standard Flow	31 gpm (120 L/min)				
High Flow (optional) with PS Trans	42 gpm (160 L/min)				
High Flow (optional) with CVT Trans	-			48 gpm (180 L/min)	
Implement Remotes (standard)	3 EHR				
Implement Remotes (optional)	5 EHR			6 EHR	
Maximum System Pressure	2,900 psi (197 bar)				
Power Beyond	Optional				
Trailer Brakes	Optional				
DRAWBAR					
Drawbar	Category III				
Heavy Duty (optional)	Category III				
AXLES					
Front Axle (standard)	Limited slip				
Front Axle (optional)	Differential lock, Suspended differential lock				

	175	195	210	235	255
3-POINT HITCH & PTO					
Rear 3-Point Hitch ³	Category III / IIIN				
Rear 3-Point Hitch Lift Capacity ³	15,543 lbs (7,040 kg)			16,314 lbs (7,400 kg)	
Front 3-Point Hitch (optional)	Category III				
Front 3-Point Hitch Lift Capacity	8,818 lbs (4,000 kg)				
Rear PTO (standard)	540, 540e / 1,000, 1,000e; 1 $\frac{3}{8}$ " shaft				
Rear PTO (optional)	1,000, 1,000e; 1 $\frac{3}{4}$ " shaft				
Front PTO (optional) with Front 3-Point Hitch	1,000; 1 $\frac{3}{8}$ " shaft, CW rotation viewed from the front				
CAB					
Volume	148 cu. ft. (4.19 cu. m)				
Glass	74.05 sq. ft. (6.87 sq. m)				
Semi-Active Suspended Cab	Optional				
Panoramic Roof	Standard				
LIGHTING					
Cab (standard)	8 Halogen				
Cab (optional)	12 Halogen 360 degree lighting				
Cab LED (optional)	12 LED 360 degree lighting				
Chassis (optional)	6 LED				
ELECTRICAL SYSTEM					
Alternator	12V-200 amps				
Batteries	2 12V, 950 CCA				
FUEL SYSTEM					
Fuel Capacity	99 U.S. gal (375 L)				
DEF Capacity	9 U.S. gal (35 L)				
LOADER - OPTIONAL					
Mechanical Self-Leveling System	Standard				
Soft Ride Kit	Standard				
Maximum Lift Capacity	5,490 lbs (2,490 kg)				
Maximum Lift Height	181" (4.6 m)				
WEIGHTS & DIMENSIONS					
Base Tractor Weight ⁴	18,894 lbs (7,970 kg)			19,425 lbs (8,811 kg)	
Wheelbase	114" (2,896 mm)			117" (2,972 mm)	

¹SAE horsepower

²Manufacturers estimates

³SAE capacity

⁴Estimated weight based on standard drawbar, no fuel, no operator, no ballast, no additional equipment

NOTE: Specification are correct at time of publishing and are subject to change



Versatile has shaped modern farming as a leading manufacturer of tractors and tillage equipment. We were the first company to mass-produce articulated four-wheel drive tractors back in 1966, starting with the D100 and G100. Over the years, the Versatile product line has evolved but the same durability, reliability, and ease of service and maintenance that defined our legacy remains as strong as ever.

We are committed to producing quality products that stand the test of time. From research and development through engineering and production, we are focused on the needs of farmers and delivering equipment that you can rely on for years to come.

This emphasis on service and durability saves time, helping operators get in the field quicker and keeps them running longer. For example, the hydraulic and fuel sight gauges on the 4WD and DeltaTrack are visible from the ground without opening side panels or removing any shields.

Versatile continues to deliver a well-built tractor at a reasonable price, without sacrificing comfort and convenience. With the largest cab in each segment Versatile provides plenty of legroom and unmatched visibility in the field. Partnering with leading suppliers such as Cummins, Cat® and Camso ensures Versatile tractors start with top-of-the-line components, and can be engineered for optimal power and efficiency.

In addition to the Nemesis, the Versatile lineup includes front-wheel assist tractors from 275 to 365; four-wheel drive tractors from 405 to 620; tracked units from 530 to 620; as well as a complete line of tillage equipment.



DELTA TRACK 530, 580, 620

The Versatile DeltaTrack is the perfect combination of power, strength, comfort and style. The 530, 580 and 620 models include premium features and options as well as an aggressive and modern appearance.



FURY HS & FURY R HIGH SPEED DISCS

The Versatile high speed discs are more productive than traditional tillage options. The Versatile Fury is built for hard work and excels at managing difficult residue at higher field speeds of 5-14 mph (7.5-22.5 km/h).



4WD 405, 430, 460, 530, 580, 620

Versatile four-wheel drives are built to work through the most challenging conditions with ease. More than just power, the four-wheel drives have extensive features and options including the largest cab in the industry.



VIKING VERTICAL TILLAGE

The Versatile Viking is designed for field management in the fall and spring seedbed preparation. The variable rate vertical tillage tool will cut, chop and size the most difficult trash in the most demanding ground conditions.



MFWD 275, 295, 315, 335, 365

Versatile MFWD tractors balance power, productivity and performance. The Cummins engine is matched with a powershift transmission that drives power to the ground and offers a wide range of working gears.



LEGACY TANDEM DISC

Versatile tandem discs can handle the heaviest soils and most extreme crop residue. The wide selection of models and sizes means that the right tandem disc is available for light, medium and heavy primary tillage needs.



NEMESIS 175, 195, 210, 235, 255

The Versatile Nemesis distills over 50 years of rugged power into a line of mid-range tractors. The Nemesis is built for everyday work and is designed to pull heavy implements, perform front-end loader applications with ease, and much more.



LEGACY OFFSET DISC

Versatile offset discs are built to be stronger and last longer than the competition. Offset discs can be customized to meet specific fields needs with an assortment of working widths, blade spacings, disc sizes and weight classes.



 **VERSATILE**

©2022 Buhler Versatile Inc. All Rights Reserved.
versatile-ag.com
Ref: 062022
Edition: 1