

MFWD TRACTORS » 260-310 hp

 **VERSATILE**





The all-new Versatile family of front-wheel assist tractors is designed to meet interim Tier 4 emissions control standards while providing a new level of comfort, power and visibility. For almost 50 years Versatile tractors have been built for reliability, durability and serviceability and the new era of tractor models continues to uphold these standards while increasing functionality and operator convenience.

#### MFWD **OVERVIEW**

- » Sloped hood increases forward visibility
- » New, roomy cab with 130 cu. ft. (3.68 cu. m) of volume and improved features
- » Improved control comfort with armrest control
- » Cummins iT4 engine technology
- » Headland Management System

#### ENGINE

The partnership between Versatile and Cummins has existed for nearly five decades and the two companies worked together to meet the interim Tier 4 emissions standards. This was achieved by using a Diesel Particulate Filter (DPF) and an Exhaust Gas Recirculation (EGR) system. The DPF has a service life equal to the life of the engine and the DPF/EGR system does not require the use of Diesel Exhaust Fluid (Urea).

The MFWD line-up uses the durable and efficient Cummins QSL 9L engine.



## TRANSMISSION

Upshifting and downshifting is as easy as the push of a button. Models are equipped with an 16 x 9 full powershift transmission that has been refined for smooth shifting, particularly when under load. An innovative design that features large helical cut case hardened gears on roller bearings ensures the operation is durable, smooth and quiet.

## HYDRAULICS

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.

Electro-hydraulics are standard and are ergonomically designed for both comfort and convenience. Finger-tip controls manage the hydraulic functions and hydraulic flow is increased or decreased using rotary thumb wheels.



### DESIGN

The Versatile MFWD tractors were designed to increase visibility and functionality.

- » New hood and cab design improve forward visibility.
- » Composite fuel tanks offer increased fuel capacity.
- » In-cab features include an improved training seat and an integrated arm rest control console.



### AFTER ALL IT'S A VERSATILE

The new MFWD tractor line-up retains the same values you've always expected from a Versatile. The new tractors improve on the reputation of outstanding serviceability. New molded tanks with an increased capacity of 170 U.S. gal. (644 L). An optional variable pitch reversing fan system is available for improved efficiency, quieter operation and reduced maintenance.



### CAB

The new Versatile MFWD tractors offer the largest cab in its class. The cab interior is 26% larger than previous models with a total volume of 130 cu. ft. (3.68 cu. m). The total area of usable window glass is 73.5 sq. ft. (6.83 sq. m) offering an expansive view. The new cab and hood design also increase forward visibility over the previous generation of Versatile MFWD tractors. New eyeball vents have been added to increase operator comfort and reduce window fogging.

Not only is the new cab more spacious, it is also more functional. A new right-hand console provides fingertip control of all the tractors working functions. A 7" (17.8 cm) display screen, four cup holders, four 12-volt outlets, a 5-volt USB port, and a top of the line training seat further enhance the functionality and comfort on all Versatile MFWD tractors.

	260 / 290 / 310
<b>ENGINE</b>	
Engine type	Cummins QSL
Aspiration	Turbocharged and air to air aftercooled
Displacement	9 liters
<b>FUEL SYSTEM</b>	
Fuel capacity	170 U.S. gal (644 L)
Filter	Two stage filtration w/water separator on first stage



	260	290	310
<b>ENGINE PERFORMANCE</b>			
Horsepower	260 hp (349 kW) @2100 RPM	290 hp (389 kW) @2100 RPM	310 hp (416 kW) @2100 RPM
Power bulge	14% @ 1800 RPM	12% @ 1900 RPM	10% @ 1900 RPM
Peak horsepower	296 hp (221 kW)	326 hp (243 kW)	340 hp (254 kW)
Torque rise	45% @ 1500 RPM	36% @ 1500 RPM	29% @ 1500 RPM
Peak torque	945 lb-ft (1282 N•m)	985 lb-ft (1335 N•m)	995 lb-ft (1350 N•m)
<b>TRANSMISSION</b>			
Type	Powershift 16F/9R	Powershift 16F/9R	Powershift 16F/9R
Maximum speed	25 mph (40 kph)	25 mph (40 kph)	25 mph (40 kph)
<b>AXLES</b>			
Front axle w/limited slip	Standard	Standard	Standard
Front axle w/differential lock	Optional	Optional	Optional
Front axle track setting	60 to 88 in (1524 to 2235 mm)	60 to 88 in (1524 to 2235 mm)	60 to 88 in (1524 to 2235 mm)
Rear axle diameter	4.3 in (109 mm)	4.3 in (109 mm)	4.3 in (109 mm)
Rear axle track setting (w/120" axle)	60 to 132 in (1524 to 3353 mm)	60 to 132 in (1524 to 3353 mm)	60 to 132 in (1524 to 3353 mm)
<b>HYDRAULICS</b>			
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)
Hi-Flow hydraulic system	75 GPM (284 L/min)	75 GPM (284 L/min)	75 GPM (284 L/min)
Hydraulic remotes - Standard Flow	4 standard	4 standard	4 standard
Hydraulic remotes - Hi-Flow	6 standard	6 standard	6 standard
Maximum system pressure	2900 PSI (197 bar)	2900 PSI (197 bar)	2900 PSI (197 bar)
<b>ELECTRICAL SYSTEM</b>			
Alternator	12V - 200 amps	12V - 200 amps	12V - 200 amps
Batteries	2-12V, 950 CCA ea.	2-12V, 950 CCA ea.	2-12V, 950 CCA ea.
HID lighting / Power mirrors	Optional / Optional	Optional / Optional	Optional / Optional
<b>DRAWBAR / 3-POINT HITCH / PTO</b>			
3-point hitch	Category III / IIIN	Category III / IIIN	Category III / IIIN
Standard (SAE) lift capacity	15,800 lb (7167 kg)	15,800 lb (7167 kg)	15,800 lb (7167 kg)
PTO, 1000 RPM	Standard	Standard	Standard
PTO, 540/1000 RPM	Optional	Optional	Optional
<b>CAB</b>			
Volume	130 cu. ft. (3.68 cu. m)	130 cu. ft. (3.68 cu. m)	130 cu. ft. (3.68 cu. m)
Glass	73.5 sq. ft. (6.83 sq. m.)	73.5 sq. ft. (6.83 sq. m.)	73.5 sq. ft. (6.83 sq. m.)
<b>WEIGHTS &amp; DIMENSIONS</b>			
Weight, unballasted*	23,945 lb (10,861 kg)	23,945 lb (10,861 kg)	23,945 lb (10,861 kg)
Max. operating weight	27,510 lb (12,478 kg)	30,685 lb (13,918 kg)	32,800 lb (14,878 kg)
Wheelbase	124.6 in (3165 mm)	124.6 in (3165 mm)	124.6 in (3165 mm)
Overall length, w/front weights	252 in (6401 mm)	252 in (6401 mm)	252 in (6401 mm)
Height, top of cab*	132 in (3353 mm)	134.7 in (3396 mm)	134.7 in (3396 mm)

\*w/420/90R30 & 480/80R46 - Singles



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