

SELF-PROPELLED SPRAYER

Models SX240 and SX280



~ VERSATILE SELF-PROPELLED SPRAYERS ~

The Versatile name carries a long tradition of reliability, durability and ease of service and maintenance. The first self-propelled sprayer to carry the Versatile brand name was introduced in 2009. That sprayer was the result of the acquisition of the Redball line of self-propelled sprayers and several modifications were made to the machine before it was reintroduced as a Versatile.

The new-for-2014 Versatile line of self-propelled sprayers builds on the success of the past and was fully developed and engineered by Versatile. Manufactured by Versatile in Willmar, Minnesota, the new Versatile self-propelled sprayers represent the evolution of Versatile and set the benchmark for features, operator comfort and convenience.



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RUGGED & RELIABLE RESTYLED

The new HQ Cab is the largest in the self-propelled sprayer industry. The design includes 140 cu. ft. of volume area, and 73.5 square feet of expansive glass for unmatched visibility. The cab provides an operator with the feeling of space, allowing near 360 degrees of visibility reducing fatigue. The new armrest-mounted console controls are well marked, easy to understand and comfortable to operate. The new hand accelerator control has fingertip boom height and wing tip control

and makes the machine easy to operate. The cab features 8 rotating "eyeball" vents to ensure a climate-controlled environment, regardless of weather conditions.

A large instructional seat provides a comfortable training environment, and folds up when not in use. A carbon charcoal cab air recirculation filter gives operators peace of mind during application season.



1. V-PAS Envizo Monitor (optional)
2. Multi-function hand Accelerator
3. V-PAS SwitchPro with Boom Section Control
4. Boom Fold In/Out Switches
5. Cruise Control
6. Foam Marker Switch Location (optional)
7. Allison Automatic Shift Selector
8. Boom Lock Switch
9. Lighting and Wiper Control Switches
10. Product Control Panel
11. Wheel Track Switches (optional)



WORK LIGHTS

For low-light working conditions, Versatile sprayers are equipped with fourteen standard worklights mounted on the grille and cab. Ten forward lights and four lights for the boom.

For additional safety, a rotating magnetic roof-mounted beacon light is also available (optional).



HID LIGHTING

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.

Four HID lights on the cab, two forward outer, two on the rear corner and two in the hood.



VISIBILITY

A narrow compact front console increases forward visibility and operator comfort.



TRANSPORT VIEW

Enjoy a clear view from the seat of your cab.

EXTREME-DUTY BOOM

Versatile self-propelled sprayers boast an impressive boom system with an extreme-duty design. The boom was built with the most efficient strength-to-weight lattice-style construction. The rugged center section is ideally balanced due to the high center mount pivot location. The ProAction-Flex® boom was designed to ensure your sprayer performs where it matters most. The full boom suspension utilizes a tandem tube rubber torsion system, anchored to an advanced parallel boom linkage.

Versatile self-propelled sprayers take an extra step to ensure even more precise applications by controlling the yaw, the traditional to and fro movement of the boom wings during field travel. A 3-stage progressive travel dampening system reduces the aggressiveness of the yaw movement, for reduced boom strain and unequal wing stability for more accurate pattern to the ground coverage.

Multi-Directional Boom Tip Break-away allows backward, forward, and vertical release of boom tip.

Lattice-style construction maximizes strength to weight ratio.

With the ProAction-Flex Boom, you're able to tilt and/or lock the full length of the boom in place, keeping it parallel with the terrain while maintaining proper distance from the spray tip to target. In fact, it's so strong and finely balanced; you can turn at speed without it dipping into the crop

The SX240 and SX280 are both available with 90' and 100' booms.



Two product tank options are available, a 1000 gallon poly tank with 100 gallon supplemental rinse tank or a 1200 gallon stainless steel tank with an integrated 120 gallon rinse tank. The stainless steel and poly tank were designed specifically for proper mounting onto the frame rails, and C channel frame design of the SX240 and SX280 to hold the tanks securely in place at all times. The 100 gallon black poly rinse tank is conveniently molded to interlock with the main poly tank to save space and improve function.



FRONT-ENTRY -The new folding front entry access ladder drops to just 16" off the ground making access easy. Disengaging the parking brake lifts the ladder into a field-ready position for clear visibility ahead position.



STORAGE AND LOAD STATION LIGHTING - A convenient operating light illuminates the load station area for efficient use in low light conditions. 2 new large storage compartments provide space for protective clothing, gloves, foam concentrate, spray tips and spare parts etc.



FILL STATION - The operator/product load station is well-labeled with large clear instructional decals and logical valve orientations. All points easily accessible from the ground for safety and to reduce refill time.

REFUELLING AND ELECTRICAL ACCESS - A retractable ladder has been included on the right side of the machine for easy fuel filling. The ladder stores and unlatches easily and has been built for easy access to the 130 gallon fuel tank and to the right hand swing out cab panel that conceals the dual batteries and other electrical components, and convenient access to a full battery disconnect switch.



DRIVETRAIN

MaxTorque® Mechanical Drive - The SX240 and SX280 feature the advanced MaxTorque® two-wheel mechanical drive system. Its superior power-to-the-ground mechanical drive operates at lower RPMs than hydrostatic drives, providing a level of fuel efficiency that will literally save you thousands of dollars each year.

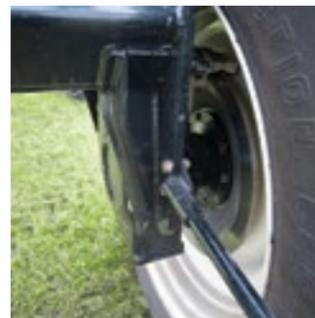
ENGINE

The QSB6.7L Cummins engine powers the SX240 and SX280 providing 240 or 280 hp. The SX240 produces an impressive 730 ft-lb of torque at 1500 rpm while the SX280 produces 760 ft-lb of torque at 1800 rpm. The Cummins VGT improves the engines responsiveness and delivers more low speed torque. A diesel particulate filter and exhaust gas recirculation system allows the SX240 and SX280 to meet emission standards without the use of an additional fluid.

A hydraulic locking JCB differential and efficient gear drive drop boxes are used to further increase power-to-the-ground performance of the SX240 and SX280.

TRANSMISSION

A heavy-duty 5-speed Allison automatic transmission provides seamless and responsive shifting. The Allison transmission allows for speeds up to 30 mph. A locking torque converter helps reduce fuel consumption and increase efficiency. The machine can be operated using the foot-throttle or hand-accelerator and, combined with cruise control, make this self-propelled sprayer among the easiest in the industry to operate.



Versatile sprayers are available in a variety of axle configurations. 120" fixed axles, 120-152" manual adjusting axle or a 120-152" hydraulically adjustable axle controlled from 4 independent axle switches conveniently located in the RH cab console area



SERVICE & MAINTENANCE

The hood unlatch and handle are conveniently located to the rear of the hood underside, and accessible beside the cab walkway for easy operation. The hood lifts up, forward and away from the engine compartment to provide unhindered access to all serviceable components. Latching of the hood is an equally effective operation.



WARRANTY

Chassis and Product System - 36 months / 2000 hour
Boom Warranty - 24 months / 1000 hour warranty
Replacement Parts - 180 Day / End of Basic Warranty

Versatile manufactured original parts, repair or replacement parts and components to be free from defects in materials and workmanship. Versatile will repair or replace any covered part within the guidelines of the warranty

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 sprayers 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.

	SX240	SX280
ENGINE		
Engine type	Cummins QSB6.7	Cummins QSB6.7
Displacement	6.7-liter	6.7-liter
Horsepower	240 hp (178 kW)	280 hp (209 kW)
Peak Horsepower	248 hp (183 kW)	291 hp (214 kW)
Emission	iT4	iT4
Torque rise	30.8%	28.3%
Peak torque	730 lb-ft @ 1500 RPM	760 lb-ft @ 1800 RPM
STRUCTURE		
Cab	HQ Cab / pressurized with air-ride seat (charcoal filter & buddy seat)	HQ Cab / pressurized with air-ride seat (charcoal filter & buddy seat)
Cab glass	77 sq. ft. (7.18 sq. m)	77 sq. ft. (7.18 sq. m)
Frame	3 x 9 x 3/8 in 110,000 PSI steel c-channel	3 x 9 x 3/8 in 110,000 PSI steel c-channel
TRANSMISSION		
Transmission	Allison 2500RDS, 5 speed automatic transmission	Allison 3000RDS, 5 speed automatic transmission
Maximum ground speed	35 mph (57 kph)	35 mph (57 kph)
AXLES		
Final drives	Heavy-duty all-gear drop boxes	Heavy-duty all-gear drop boxes
Axle width option	Fixed 120 in (304 cm), manual, and hydraulic adjustable 120 - 152 in (304 - 386 cm)	Fixed 120 in (304 cm), manual, and hydraulic adjustable 120 - 152 in (304 - 386 cm)
Differential	JCB heavy-duty with on-the-go hydraulic differential lock	JCB heavy-duty with on-the-go hydraulic differential lock
Brakes	Heavy-duty 4-wheel disc	Heavy-duty 4-wheel disc
Parking brake	Spring applied hydraulic release	Spring applied hydraulic release
Tires	380(14.9)/90R46 front and rear (with fenders) (optional 520 and 710 tires)	380(14.9)/90R46 front and rear (with fenders) (optional 520 and 710 tires)
SUSPENSION		
Chassis suspension	Air bag with auto height adjust and sway control	Air bag with auto height adjust and sway control
Boom suspension	Tandem rubber torsion suspension	Tandem rubber torsion suspension
HYDRAULICS		
Hydraulic system	3.80 cu. in. (60 cc) pressure compensated pump @ 2500 psi (180 bar)	4.88 cu. in. (80 cc) pressure compensated pump @ 2500 psi (180 bar)
BOOM		
Boom width	90, 100 ft (27.4, 30.5 m)	90, 100 ft (27.4, 30.5 m)
Boom height	25 - 72 in (63 - 183 cm)	25 - 72 in (63 - 183 cm)
TANKS AND CAPACITIES		
Product tank	1000 U.S. gal poly (3785L)	1200 U.S. gal stainless (4540 L) or 1000 U.S. gal poly (3785L)
Rinse tank	100 U.S. gal (378L)	120 U.S. gal (454 L)
Hydraulic capacity	32 U.S. gal (121 L)	32 U.S. gal (121 L)
Fuel capacity	130 U.S. gal (492 L)	130 U.S. gal (492 L)
ACCESSORIES		
Control system	V-PAS: Raven 5000, EnvizioPro	V-PAS: Raven 5000, EnvizioPro
Ladder	Front entry, hydraulic retract with park brake	Front entry, hydraulic retract with park brake
Product pump	Hypro® 9306-HM5C-3U cast or stainless	Hypro® 9306-HM5C-3U cast or stainless
DIMENSIONS AND WEIGHTS		
Wheelbase	13 ft 9 in (4.19 m)	13 ft 9 in (4.19 m)
Length	27 ft (8.23 m)	27 ft (8.23 m)
Crop clearance	48 in (122 cm)	48 in (122 cm)
Turning radius	15 ft (4.57 m)	15 ft (4.57 m)
Weight	27,300 - 28,194 lb depending on boom size and other options (12,409 - 12,815 kg)	27,300 - 28,194 lb depending on boom size and other options (12,409 - 12,789 kg)



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