# SELF-PROPELLED SPRAYER

## Model SX280

<table>
<thead>
<tr>
<th>Engine</th>
<th>SX280</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine type</td>
<td>Cummins QSB6.7</td>
</tr>
<tr>
<td>Displacement</td>
<td>6.7-liter</td>
</tr>
<tr>
<td>Horsepower</td>
<td>280 hp (209 kW)</td>
</tr>
<tr>
<td>Peak horsepower</td>
<td>291 hp (214 kW)</td>
</tr>
<tr>
<td>Emission</td>
<td>iT4</td>
</tr>
<tr>
<td>Torque rise</td>
<td>28.3%</td>
</tr>
<tr>
<td>Peak torque</td>
<td>760 lb-ft @ 1800 RPM</td>
</tr>
</tbody>
</table>

### Structure
- Cab: HQ Cab / pressurized with air-ride seat (charcoal filter & instructional seat)
- Cab glass: 77 sq. ft. (7.18 sq. m)
- Frame: 3 x 9 x 3/8 in 110,000 PSI steel c-channel

### Transmission
- Transmission: Allison 3000RDS, 5 speed automatic transmission
- Maximum ground speed: 35 mph (57 kph)

### Axles
- Final drives: Heavy-duty all-gear drop boxes
- Axle width option: 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
- Brakes: Heavy-duty 4-wheel disc
- Parking break: Spring applied hydraulic release
- Tires: 380(14.9)/90R46 front and rear (with fenders) (optional 320, 520 and 710 tires)

### Suspension
- Chassis suspension: Air bag with auto height adjust and sway control
- Boom suspension: Tandem rubber torsion suspension

### Hydraulics
- Hydraulic system: 4.88 cu. in. (80 cc) pressure compensated pump @ 2500 psi (180 bar)

### Boom
- Boom width: 90, 100, 120 ft (27.4, 30.5, 36.5 m)
- Boom height: 25 - 72 in (63 - 183 cm)

### Tanks and Capacities
- Product tank: 1200 U.S. gal stainless (4540 L) or 1000 U.S. gal poly (3785L)
- Rinse tank: 120 U.S. gal (454L) w/1200 SS tank, 100 U.S.gal (378L) w/1000 poly tank
- Hydraulic capacity: 32 U.S. gal (121 L)
- Fuel capacity: 130 U.S. gal (492 L)

### Accessories
- Control system: V-PAS: Raven 5000, EnvisoPro II, Viper 4
- Ladder: Front entry, hydraulic retract with park brake
- Product pump: Hypro® 9306-HMSC-3U cast or stainless

### Dimensions and Weights
- Wheelbase: 13 ft 9 in (4.19 m)
- Length: 27 ft (8.23 m)
- Crop clearance: 48 in (122 cm)
- Turning radius: 15 ft (4.57 m)
- Weight: 27,300 - 28,194 lb depending on boom size and other options (12,409 - 12,789 kg)

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