

Specifications

Engine	
Model	John Deere PowerTech Plus Diesel, Tier III
Horsepower	215 hp (158 kW)
Power bulge	230 hp (169 kW)
Engine rated speed (field/road)	2100/1900 rpm
Number of cylinders	6
Displacement	6.8 L
Cooling system	Pressurised liquid

Fuel tank	
Capacity	290 L

Drive system	
Type	Variable hydrostatic (dual pumps)
Wheel motors	4 with variable displacement
Shifting	4-range, electro-hydraulic, shift on-the-go
Traction control	Option

Ground speed	
1st Range	0 – 15 km/h
2nd Range	0 – 20 km/h
3rd Range	0 – 25 km/h
4th Range	0 – 40 km/h

Spraying System	
Solution tank material	Polyethylene
Solution tank capacity	4000 L
Agitation	High pressure agitators, independent from spray pressure
Rinse tank capacity	400 l
Hand wash tank	20 l
Tank level control	Digital tank level sensor with automatic fill shut-off
Boom recirculation	pressure circulation with pneumatic nozzle shut-off (option)

Sprayer pumps	
Solution pump(s)	piston diaphragm pump(s): 280 l/min or 560 l/min
Filling pump option	centrifugal pump – 700 l/min (option with 280 l/min solution pump)

Spray boom - section valves	
Type	Motorised seat valves or pneumatic nozzle shut-off (option)

Rate - control system	
Make and model	John Deere GreenStar 2 automatic rate control system
Type	pressure and flow-based

Hydraulic system (auxiliary functions)	
Type	Closed centre, pressure compensated load sense system
Pump	Axial-piston with variable displacement

Steering	
Type	Hydrostatic
Turning radius (1.80 m tread – 4ws)	4.5 m

Tyres	
Flotation tyres	Wide range of different tyres
Narrow row-crop	Wide range of different tyres

Suspension	
Type	Independent strut with adjustable air springs
Travel	± 10 cm

Tread adjustment	
Range of adjustment	1.80 m – 2.50/2.00 – 2.70/2.15 – 2.85 m (depending on tyre size)
Type	Manual or Hydraulic (option), independently adjustable front/rear

Cab	
Heating and ventilation	Pressurized cab, heating, air conditioning and active carbon filtration
Seat	Air suspended seat

Spray boom control	
Height control	Electro-hydraulic
Boom tilt	Electro-hydraulic

Booms	
Type	24 – 36 m (double fold configuration)
Construction	Tubular 3-D steel design
Folding	Auto Fold Sequence, electro-hydraulically operated through HydroHandle
Boom height	50 – 250 cm (depending on tyre size)
Suspension	Pendulum system with anti-yaw system
Nozzles	Pentajet nozzle bodies with bayonet couplings for nozzle caps
	Diaphragm anti-drip system or pneumatic nozzle shut off

Machine Dimensions	
Total length (with 36/18 m boom)	9.10 m
Max transport width	3.00 m
Max. transport height	3.75 m (with tyre 520/85R42, beacon light removed)
Ground clearance	1.10 m (with tyre 520/85R42)
Empty weight	11500 kg

