

SPRAY STAR 1200 D



The Power of Diesel

The Spray Star 1200 D delivers exactly what you need for healthy, vibrant turf with the power of a diesel engine to get the job done. Designed to address the evolving needs of the turf management industry, this cutting-edge sprayer delivers power, precision and productivity with every spray, every time.

Equipped with state-of-the-art GPS technology from Smithco's exclusive partnership with TeeJet® Technologies, the Star Command system on the Spray Star 1200 D utilizes real-time data to enable industry-leading application rates and coverage, tailored to your specific turf.

• POWER

Equipped with a mid-mount 24.8 hp (18.5 kW) diesel engine with a hydrostatic traction drive-delivering max acceleration, powerful torque and increased productivity for constant flow, even pressure and consistent spray application.

• PRODUCTIVITY

Optimum efficiency with the largest capacity dedicated sprayer in its class providing a 200 gal (757 l) low profile elliptical polypropylene tank with lifetime warranty.

• ACCURACY

Achieve 100% greater accuracy than our competitors with Smithco's Star Command system featuring DynaJet's smart droplet pulse width modulation technology, delivering less than 1 in (2.75 cm) corrections, turn compensation and industry-leading 10 in (25 cm) nozzle spacing.

• ULTRA-HIGH FLOW

The self-priming and corrosion-resistant Hypro™ Stainless Steel Centrifugal Pump features 70 gpm (265 lpm). A high-flow application with superior agitation means you get a high-performance, cost-efficient pumping system.

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Smithco

WE TAKE YOUR TURF SERIOUSLY

Spray Star 1200 Diesel

SPECIFICATIONS

ENGINE

Type	Kubota D1105 Type 4-cylinder diesel engine
Cooling	Liquid cooled
Lubrication	Full pressurized
Displacement	68.53 in ³ (1123 cc)
Rated Horsepower	24.8 hp (18.5 kw)
Air Cleaner	Cyclopac air intake filtration
Oil Filter	Full flow; Spin on type
Electrical System	40 amp, with 12 V 900 CCA battery, fuse protected
Fuel Capacity	12 gal (45.4 l) No.1 ULSD diesel

PRODUCT CONFIGURATION

Suspension	Leaf spring front suspension
Ground Speed System	Spray Boss mechanical ground speed system and cruise control
Controller	Choice of electric or auto-rate controller
ROPS	Certified ROPS with seat belts

SPRAY SYSTEMS

Boom Options	15 ft (4.6 m), 18.5 ft (5.6 m), or 20 ft (6.1 m) Super Boom
Advanced Rate Controller	TeeJet® Radion w/ GPS speed sensor
Electronic System	Electrical spray control system
Manual System	Manual spray control system
Star Command I	Star Command I TeeJet® Radion and Dynajet System with 15 ft (4.6 m) or 18.5 ft (5.6 m) boom
Star Command II	Star Command II Teejet® Matrix GPS Satellite System

SPRAY TANK

Capacity	200 gal (757 l)
Construction	Elliptical polyethylene with UV inhibitors. 16 in (40.6 cm) hinged lid with built in locking device and nylon strainer basket
Filtration	Downstream filtration 50 or 80 mesh strainer w/80 mesh sectional strainers
Agitation	Agitator with 4 venturi volume boosters
Pump	Rocker switch operated; 10-70 gpm (36-225 lpm), 10-60 psi (0-7.4 bar); Stainless high volume centrifugal with silicon carbide seals.

TIRES, BRAKES & STEERING

Tires	Front: 22-10.00×10 turf; Rear: 24-13.00×12 multi trac
Braking	Dynamic braking through hydrostatic drive train
Parking Brake	Manual engagement both rear wheels
Steering	Hydraulic power steering with orbitrol motor; 15 in (38.1 cm) steering wheel with tilt adjustment

SPEED & SOUND

Forward	0-12 mph (0-19.3 kph)
Transport	0-12 mph (0-19.3 kph)
Reverse	0-5 mph (0-8 kph)
Sound Level	88 dba

SPRAY PERFORMANCE

Application Rates	20-130 gal/ac (187.1-1216 l/ha); 0.5-3 gal/1000 ft ² (20.4-122.2 l/1000 m ²)
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TRACTION DRIVE

Traction System	Hydrostatic 2WD
Hydraulic System	5 gal (18.9 l)
Hydraulic Cooling	Full flow filter with oil cooler

WEIGHTS & DIMENSIONS

Weight	Dry - 1990 lbs (903 kg); Loaded - 3698 lbs (1677 kg)
Length	127 in (3.2 m)
Width	65 in (1.7 m)
Height	78 in (2 m)
Wheelbase	68 in (1.7 m)

