



SPRAY STAR 1600 SPECIFICATION (Model 1602, 1604, 1610)

PRIME MOVER (Specifications common to all models)

PERFORMANCE	Maximum Payload: 1,800 Lbs. (820 kg) Speed Range: 1st Gear: 1-3 mph (1.5-5 kph) 2nd Gear: 2-6 mph (3-10 kph) 3rd Gear: 4-10 mph (6-16 kph)
POWER	20 hp (15 kw) Two cylinder gasoline engine Air Cooled, 25 amp alternator; 12 volt electric system, electronic ignition, dual element air cleaner, closed breathers system, full pressure oil lubrication system, oil filter
DRIVE	Three speed mechanical gear drive + reverse Spicer-Dana rear axle
DRIVE CONTROLS	Foot throttle Auxiliary hand throttle
GROUND SPEED CONTROL	Manual "Speed Boss" Ground Speed Control System maintains accurate and consistent speed on all terrain.
BRAKES	Hydraulic drum brakes on rear wheels, Hand lever actuated parking brake.
PARK BRAKE	Hand lever actuated parking brake.
STEERING	Hydraulic power steering with orbital motor. Automotive 15 in (38 cm) steering wheel with tilt adjustment. 19 ft (5.8 m) Outside turning circle.
TIRES	Front: 20 x 1000 x 10 Multi Rib 4 ply turf Rear: 24 x 13.00 x 12 Multi Trac 4 ply turf
FLUID CAPACITIES	Fuel Capacity: 5 Gallon (19 l.)
INSTRUMENTATION	Hour meter, Speedometer
SAFETY & CONFORMANCE	Start switch on clutch pedal Complies with all applicable ANSI, OSHA, and, (optionally) European Machinery Directive standards
SEAT	Adjustable position deluxe seat with back support.
BATTERY	Automotive type 24F, 12 volt, 900 CCA minimum
CONSTRUCTION	Heavy duty hydraulically formed tubular steel frame with formed steel body panels

SUSPENSION	Front: Cantilever type Rear: Tires
DIMENSIONS (Inches/cm) (Length-Width-Height) cm)	112 in (285 cm)-61 in (155 cm)-50 in (127 cm); Wheelbase: 60 in (152 cm) Width with booms open 230 in (584 cm) – Height with booms up 126 in (320 cm)
WEIGHT	1,200 lbs (544 kg) dry; 2,500 lbs (1,136 kg) loaded

SPRAY COMPONENT (Specifications common to all models)

SPRAY PERFORMANCE	Application Rates: 20-220 Gallons Per Acre 0.5-5 Gallon Per 1,000 Sq. Ft. 180-2050 Liters Per Hectare Production Rate 6.4 Acres/Hour @ 3.5 MPH Up to 75 acres per day
TANK	160 Gallon (605 liter) Polyethylene: low profile configuration: lifetime guaranty; 16 inch (41 cm) diameter fillwell with nylon strainer basket, hinged cover
FILTRATION	Downstream spray system protected by nylon reinforced 50 mesh stainless steel strainer
AGITATION	Smithco “Quadra-Jet” agitator with four venturi volume boosters
ENGAGE/DISENGAGE	Electromagnetic clutch with toggle switch at operator position
PUMP	10-70 gallons per minute (38-265 lpm) 10-80 psi (0.7-7 bar) High volume centrifugal type with silicon-carbide seal All stainless steel body, shaft and plugs Built in low pressure warning horn to alert operator to low spray liquid level Built in automatic air bleed system for self re-priming during operation with low liquid levels Belt drive from prime mover engine
PERFORMANCE	Spray performance <ul style="list-style-type: none"> • Application rates: 20-220 gallons per acre • 0.5-5 gallon per 1,000 sq. Ft. • 180-2050 liters per hectare • Production rate 6.4 acres/hour @ 3.5 mph (5.6 kph) • Up to 75 acres per day

SPRAYER CONTROL

Model 1604	Raven 203 Electric Controller; Master on/off Toggle Switch, 3 Individual Boom Control Toggle Switches, Spring loaded remote pressure adjustment switch to control motorized butterfly valve, Oil-Filled Pressure Gauge,
Model 1602	Raven SCS 440 Based Electronic Spray Control System - Precise delivery of pre-selected application rate - Boom Control (Individual sections) - Record of material applied and area covered
Model 1610	Manual type, 3 section ABS ball valve turns individual boom sections on/off, agitation on/off Manual Screw type Pressure Adjustment, with pressure gauge

BOOMS

14-100 20 FT. (6 meters) Dry steel boom with 12 nozzles. Manual operation. Folds behind for transport and storage. Hinges brake away and return to position automatically

15-493 18.5 (5.5 meters) stainless steel boom with 11 nozzles. Electric operation. Folds vertically and forward for transport. Hinges brake away and return to position automatically

15-577 18.5 (5.5 meters) stainless steel boom with 11 nozzles. Manual operation. Folds vertically and forward for transport. Hinges brake away and return to position automatically

10-300 18.5 (5.5 meters) stainless steel boom with 9 nozzles. Electric operation with Ground Following Contour Wheels. Folds vertically and forward for transport. Hinges brake away and return to position automatically

15-571 SMITHCO Star Shield Covered Boom System

OPTIONS & ACCESSORIES

14-285 Foam Marker: Electric Operation, Manual Control

16-129 or 16-909 Hose Reel: 200 ft. (61 m.) Capacity, Manual or electric rewind (Requires 14-311 Mounting Kit)

15-363 Clear Water Wash Tank

16-856 Tank Rinse System

OPTIONS & ACCESSORIES

Foam Marker Electric Operation, Manual Control
Hose Reel 200 ft. (61 m.) Capacity, Manual or electric rewind
(Requires 15-384 Mounting Kit)
Clear Water Wash Tank
Tank Rinse System
Operator Protection Enclosure with charcoal filtered air induction system
Tachometer