

CUSHMAN® SPRAYTEK™

QUICK SPECS

MODELS:

DS-175, DS-300

TANK CAPACITY:

175 gal. (663 L)

300 gal. (1,137 L)

DIMENSIONS:

Weight without boom:

DS-175 - 1,620 lbs.

(735 kg)

DS-300 - 1,700 lbs.

(771 kg)

Length (with boom):

133 in. (3.4 m)

Height (with R.O.P.S.):

74.7 in. (1.9 m)

Width (with 20 ft. boom):

77 in. (2 m)



Most consistent governing speed of any sprayer provides unmatched coverage consistency every time.

TWO LEADING TECHNOLOGIES - TOGETHER

Cushman turf vehicles; SDI spray equipment.

SELECT YOUR SPRAY SYSTEM

Manual, all-function electronic system or Raven® flow-based computer boom control options; Booms include 15' or 21' convertible open boom and 15' shielded with bidirectional breakaway.

MODELS MEANT FOR BUSINESS

DS 300 gallon with 26.1-hp (governed @ 3,000 rpm) diesel engine; DS 175 gallon with 26-hp (governed @ 3,200 rpm) gas engine.

POWERFUL PUMPS GET THE JOB DONE

Corrosion-resistant 316 stainless centrifugal pump; Maximum capacity of 80 gpm or 130 psi; Lifeguard™ Silicon Carbide seals for leak resistance and long wear.

SOLUTION TANK

Low-profile, tapered design; chemical and impact-resistant fiberglass; external sight tube with calibration marks; side-fill hatch for easy access.

DEALER INFO:



WHEN PERFORMANCE MATTERS™

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1-888-922-TURF or www.jacobsen.com



SPECIFICATIONS

ENGINE	
DS-175	Suzuki® 660 EFI, 3-cylinder, 5-cycle, liquid-cooled gas
DS-300	Perkins® 403c-11, 3-cylinder, 4-cycle, liquid-cooled diesel
HORSEPOWER	
DS-175	Governed @ 3,200 rpm - 26 Hp (19.4 Kw)
DS-300	Governed @ 3,000 rpm - 26.1 Hp (19.5 Kw)
DISPLACEMENT	
DS-175 - 40.1 cu. in. (657 cc); DS-300 - 69 cu. in. (1,131 cc)	
Lubrication	Fully pressurized with spin-on, full-flow oil filter
Oil Capacity	DS-175 - 3.3 qt. (3.1 L); DS-300 - 3.7 qt. (3.5 L)
Air Cleaner	Self-cleaning, centrifugal pre-cleaner with paper cartridge
Cooling	Liquid-cooled; thermal sensing activates warning buzzer if engine overheats
ELECTRICAL SYSTEM	
DS-175	60-Amp, heavy-duty alternator; 12-volt starter with safety interlock
DS-300	55-Amp, heavy-duty alternator; 12-volt starter with safety interlock
Fuel	DS-175 - unleaded gasoline; DS-300 - no. 2 Diesel; 6.5 Gal. (24.6 L) capacity
VEHICLE	
Transmission	Four-speed manual on diesel and five-speed manual on gas, synchronized; two-speed rear axle; low-low (creeper) first gear
Governor	Mechanical, centrifugal on DS-175; integrated mechanical on DS-300 (cushman ground speed governor)
Gear	Dash-mounted, right-hand shift
Lights	Two sealed, high/low beam headlights, brake light, taillight
Steering	Automotive power steering

PERFORMANCE

Model	Engine RPM	Gear	Trans. Ratio	Low Range mph (km/h)	High Range mph (km/h)
26 hp Gas	3,200 rpm	1st	5.106:1	1.1 (1.8)	3.5 (5.6)
		2nd	3.017:1	1.9 (3.0)	5.9 (9.5)
		3rd	1.908:1	2.9 (4.7)	9.4 (15.1)
		4th	1.264:1	4.4 (7.1)	14.1 (22.8)
		5th	1.000:1	5.6 (9.0)	17.9 (28.8)
		Rev.	5.151:1	1.1 (1.7)	3.5 (5.6)
26.1 hp Diesel	3,000 rpm	1st	3.652:1	1.7 (2.7)	5.5 (8.8)
		2nd	1.947:1	3.2 (5.1)	10.2 (16.5)
		3rd	1.423:1	4.4 (7.0)	14.0 (22.5)
		4th	1.000:1	6.2 (10.0)	19.9 (32.1)
		Rev.	3.466:1	1.8 (2.9)	5.7 (9.3)

SUSPENSION	
Front	Double A-arm independent suspension with two springs over shock absorbers
Rear	Heavy-duty leaf springs with shock absorbers
Brakes (service)	Heavy-duty hydraulic, 7.9 in. (200 mm) duo-servo, self-adjusting drum-type on all wheels; dual master cylinder and remote truck-mounted reservoir
TIRES	
Front (2)	20 x 10-10, 4-ply rib tread
Rear (2)	24 x 13-12, 4-ply turf tread (6-ply on DS-300)
Seating	Contoured, bucket-style with hip restraint

INSTRUMENTS	
Fuel Gauge, Tachometer, Hour Meter, Temperature Gauge, Low Oil Pressure Light, Voltmeter	
CONTROLS	
Ground Speed Governor, Hand Throttle Control, Light Switch, Horn, Key Ignition Switch	
Inside Clearance Circle	41 in. (1 m)
Outside Clearance Circle	20 ft. 2 in. (6.1 m)
Wheelbase	88.2 in. (2.2 m)
Ground Clearance	7.5 in. (19.1 cm)
Length	with Boom - 133 in. (3.4 m) - DS-175 or DS-300
TRANSPORT WIDTH: DS-175 OR DS-300 (@ 4 FT. HEIGHT FROM GROUND)	
with 15 ft. Boom	68 in. (1.7 m)
with 20 ft. Boom	77 in. (2 m)
HEIGHT (BOOM IN OPERATING POSITION)	
Without ROPS - 49 in. (1.2 m); With R.O.P.S. - 74.7 in. (1.9 m)	
WEIGHT (DRY, INCLUDES 200 LB. OPERATOR)	
DS-175	1,820 lbs. (826 kg) without Boom & Boom Control
DS-175	1,930 lbs. (875 kg) with Boom & Manual Boom Control
DS-300	1,900 lbs. (862 kg) without Boom & Boom Control
DS-300	2,010 lbs. (912 kg) with Boom & Manual Boom Control

SPRAYER

Solution Tank	Low-profile, special tapered design; chemical- and impact-resistant fiberglass; 10 gal. (37.8 L) sump; 16 in. (40.6 cm) offset lid
Tank Capacity	DS-175 - 175 gal. (663 L); DS-300 - 300 gal. (1,137 L)
AGITATION	
DS-175	V-6 Venturi® jet with interchangeable ceramic tips
DS-300	V-8 Venturi® jet with interchangeable ceramic tips
Sight Tube	External sight tube with calibration marks
PUMP	
Centrifugal, 316	Stainless steel equipped with: Lifeguard™ Silicon Carbide, pivot-mounted to engine, V-belt drive, 56 lb. heavy-duty electric clutch
Pump Capacity	80 gpm (5 L per second) or 130 psi (9.0 BAR) maximum
Spray Booms	Choice of: Economy 15 ft. (4.6 m) or 20 ft. (6 m) Deluxe 15 ft. to 21 ft. convertible models
SPRAY BOOM BREAKAWAYS	
Economy Booms - Aluminum hinge with external springs for automatic return.	
Deluxe Booms - Heavy-duty hinge with internal spring for automatic return. Shielded Windbreaker Boom - 15 feet	
Boom Controls - Choice of: Manual, SDI® All-function electric motorized, Raven® computerized	
Nozzles - Color-coded, polymer, drip-free	

ACCESSORIES

MODIFICATIONS - FACTORY INSTALLED	
<input type="checkbox"/>	Cab, Installed (Includes R.O.P.S., Windshield with Wiper and Rear Window)
<input type="checkbox"/>	Doors, Steel Orange (Requires Cab)
<input type="checkbox"/>	Light, Dome (Requires Factory Installed Cab)
<input type="checkbox"/>	R.O.P.S. - Roll Over Protection Structure (Includes Seat Belts)
ACCESSORIES - DEALER INSTALLED	
<input type="checkbox"/>	Door, Steel, Left Only, Orange (Requires R.O.P.S.)
<input type="checkbox"/>	Door, Steel, Right Only, Orange (Requires R.O.P.S.)

SPRAYERS

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<input type="checkbox"/>	R.O.P.S. - Roll Over Protection Structure (Includes Seat Belts)
<input type="checkbox"/>	Window, Rear (Requires R.O.P.S.)
<input type="checkbox"/>	Windshield with Wiper (Requires R.O.P.S.)

NOTE: Specifications, while correct at time of printing, may change without notice. This Product has been tested and complies with B71.4 -2004 ANSI voluntary safety specifications for commercial turf equipment and also complies with EU safety regulations.