



# Advance Street Sweeping

## 3000



# 3000

New design, New performance & New reliability

**A 3-wheel mechanical street sweeper that offers outstanding operator comfort, performance, and safety, combined with the lowest operating cost per swept mile.**

## Performance

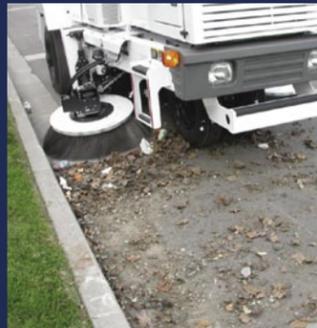
This high performance 300 series has unsurpassed pick-up ability across its full 125" sweeping path, even when faced with the heaviest workloads. The performance matched equal-width pick-up broom and elevator system eliminates choke points and improves sweep speeds. In-cab gutterbroom controls combined with a self-adjusting pick-up broom give superior sweeping ability and complete the high performance package. The large 5.6 cubic yard hopper has a ribbed design which eliminates rust traps and is mid-mounted for balanced weight distribution and superior loading characteristics.

## Engineering

Engineered for easy maintenance, the 3000 series features a swing-out radiator for fast essential systems checks and only 7 daily grease points. A centralized, weather-proof systems locker serves as protection for all high and low voltage components. Two swing-out center body panels provide unrestricted access for elevator adjustment, maintenance, and daily cleaning.

## Safety

The forward control cab, with over 3,800 square inches of tinted safety glass, gives the operator outstanding visibility. Integral parabolic mirrors and side window defrosters make it easy for the operator to monitor the gutterbrooms in any weather. An ergonomically designed instrument panel and suspension seat provide superior ride comfort, resulting in reduced operator fatigue throughout the work day.



ABOVE  
Centered dual tire guide wheel avoids curb line debris

BELOW  
In-cab control makes bulkier debris pick-up easier



# 3000

## Specification Overview

### Engine

- Type: John Deere 4045T turbocharged diesel; 4 Cylinder; Fuel injected
- Compression & Torque: Compression ratio – 17.0:1; Maximum torque – 291 ft. Lbs. @ 1600 rpm
- Displacement & Horsepower : 276 cu. in.; 110hp @ 2400 rpm.
- Air filter: Two stage dry type air cleaner with safety element; Restriction indication.
- Fuel Tank: Capacity – 35 gal.; Vented with steel construction.

### Chassis

- Frame: 3" x 13" C-Channel with modular body; Front & rear to hooks.

### Elevator

- Type: 7 Flight squeegee with replaceable corded rubber tips; Continuous molded rubber belts.
- Hydraulic Motor: Direct drive; Variable Forward and Reverse; Displacement – 15.8 cu. in./rev.



### Cab

- Description: Center forward rubber mounted; Single door; Removable limb guards.
- Seats: Multi-adjustable, spring suspended with shock absorber; 3-point seat belt; Standard passenger seat with lap seat belt.
- Windows: 1745 sq. in. Windshield; 1040 sq. in. each side window; Tinted safety glass; Front and side defrost vents.

### General Hydraulics

- Capacity: Total system – 41 gal.; Two Tanks - 18 gal. each.
- Hydrostatic Drive Pump: Displacement – 5.4 cu. in./rev.
- Hydrostatic Drive Wheel Motors: Two Speed; Displacement – High @ 1.68 cu. in./rev., Low @ 3.885 cu. in./rev.
- Vehicle Range: Low – 0 to 10 mph; High – 0 to 23 mph; Reverse – 0 to 4 mph
- Lift System Drive Pump: Displacement – 1.03 cu. in./rev.
- Sweep System Drive Pump: Displacement – 1.6 cu. in./rev.

### Cab controls

- In-cab gauges: speedometer/odometer, tachometer, engine oil pressure, engine water temperature, voltmeter, fuel, gutterbroom height;
- In-cab indicators: Water spray, low engine oil, high coolant temperature, low hydraulic oil level alarm.

### Electrical

- Wiring: Sealed wire harness; Solid color coded wires, numbered and function labelled every 12 inches; Sealed pre-wired solenoids; Circuit breaker protected.
- Electrical Control Unit: Electrical control sealed system locker with two sealed sub-compartments for high and low ampere components; Low ampere system boxes are fully tested prior to installation; An ECU electrical diagram decal is on the locker door.
- Alternator: 120 amp
- Battery: 900 CCA @ 0°F; 12 volt system.

### Pick-up Broom

- Broom: 32" x 58" Disposable polypropylene.
- Hydraulic Motor: Direct drive; Variable speeds; Displacement – 17.1 cu. in./rev.

### Body/Hopper

- Volume & Lift: Hopper Volume – 5.6 cu. yd.; Lift – 12,000 lbs. via two 4" hydraulic cylinders; Dump height – 114" into roll-off container.
- Safety Lockout: Hopper dump controls automatically prevent vehicle movement while hopper is up.



### Gutterbroom

- Broom: 47" diameter; 12 "Tuf Grip" segments with 26" steel wire tines.
- Hydraulic Motors: Direct drive; Variable speeds; Displacement – 17.1 cu.in./rev.
- GB Suspension: Free floating vertically and horizontally with impact protection; Hydraulic lift through accumulators.

### Water Spray

- Water Tank: Capacity – 200 gal.; Construction – molded polyethylene.
- Water Pumps: Heavy Duty electric diaphragm type; Output – 7.2 gal./min.
- Controls: In-cab variable flow valves.
- Spray Nozzles: Three nozzles over each gutterbroom and pick-up broom.
- Auxiliary Hose: 15' Hydrant hose; Hose stored in right rear fender tool ox with hydrant coupling and wrench.



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