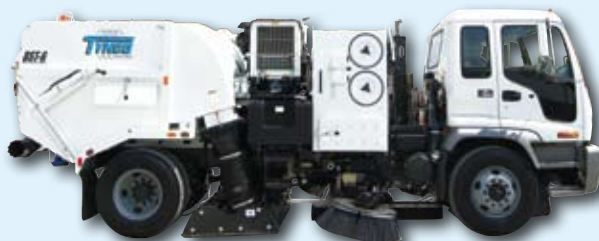


# MODEL DST-6<sup>®</sup>

## Environmental Technology Verified and Licensed Dustless Sweeping Technology | GENERAL SPECIFICATIONS



**AUXILIARY ENGINE:** John Deere Tier 3 turbocharged diesel 4045T; 4 cyl.; 4.5 L (275 CID); 99 HP @ 2400 RPM; Torque 261 ft. lb. @ 1600 RPM; 4 cycle; 4.19" bore; 5.00" stroke.

**ABRASION PROTECTION PACKAGE:** Standard hopper screen; protective hopper wall liners; suction nozzle liner; pressure wear pads; heavy duty pressure hose.

**AMBER HIGH POWERED STROBE LIGHT:** Field selectable flash patterns via an internal jumper for quad flash or double flash, diagnostic indicator, photocell for automatic "night" mode switch, RFI protection, 2 amps a 12 VDC, output of 19 Joules (quad flash mode).

**AUTOMATIC SHUTDOWN SYSTEM:** Automatic engine shutdown when engine coolant temperature is too high, coolant level too low, or oil pressure is too low.

**AUXILIARY HYDRAULIC SYSTEM:** Electrically operates hydraulic system without auxiliary engine.

**BROOM ASSIST PICK-UP HEAD (DST-6<sup>®</sup>) with DUO SKIDS and removable front curtain set**

**BLOWER, Rubber Lined:** Aluminum alloy, high volume open face turbine; Stainless Steel blower housing with bolt in wear resistant replaceable liner.

**DUAL STEERING:** Right and left hand steering wheels with center mounted truck ignition; headlights, dimmer switch, windshield wipers; integral power, dual gauges.

**DUMP SWITCH IN CAB:** Additional dump switch on control panel to activate dump operation from inside cab.

**DUST CONTROL with HI/LOW PRESSURE WASHDOWN SYSTEM and HIGH OUTPUT WATER SYSTEM:** 220 gallon capacity polyethylene water reservoir(s); belt driven triplex piston pump delivering minimum of 3.5 gpm; low water warning light; external water level indicator; gutter broom(s) and inside hopper nozzles. Self-contained water supply, a spray gun with trigger control and two interchangeable lance lengths of 48" and 36". Additional nozzles and deflectors strategically located to control extreme dust.

*(Additional water capacity NOT available)*

**DUSTLESS FILTRATION SYSTEM:** An external mounted modular filtration system constructed of 10 and 12 gauge steel shall be provided to clean all exhausted air. The filter module shall have a minimum 14ft<sup>3</sup> dust retention hopper and four (4) filters with a filtration efficiency rating of 99.999% on 0.5-micron particles.

Filters shall have a long service life and shall provide excellent performance in moist, hygroscopic and agglomerative applications and may be cleaned with a low-pressure water rinse. In the dry sweeping mode the filtration system shall not be affected when encountering intermittent wet conditions such as rain puddles, lawn sprinkler standing water or moisture from melting snow and ice. All controls for efficient sweeping applications shall be automatic and require no operator adjustments. Filter cleaning shall be accomplished with intermittent air pulse provided by a belt driven, liquid cooled engine lubricated air compressor having a minimum 13.2 CFM @ 1200 RPM. A shop air connection shall be provided for filter cleaning without use of sweeper power unit. Includes dust box deluge washout system.

### HIGH CAPACITY DUST SEPARATOR

**HOPPER:** Welded steel plate construction with integral stiffeners; Capacity 7.3 cubic yards volumetric, 6 cubic yards useable; dump door opening 84" x 44", dumping method hydraulic with raker bar.

**HOPPER DELUGE SYSTEM:** High volume system attaches to fire hydrant to flush hopper.

**HOPPER DRAIN SYSTEM:** Allows sweeper to operate in wet conditions by draining water picked up.

**HOPPER LOAD INDICATORS:** Sensor with audio and visual indicators in cab that signal full load.

### HOPPER SUCTION PARTITION

**HYDRAULIC TANK SIGHT/TEMPERATURE GAUGE:** External; mounted on tank.

**INSTRUMENTS IN CAB:** Oil pressure/coolant temperature gauges; starter; ignition; tachometer; auxiliary engine hour meter; throttle. Paddle switches have illuminated legend windows for easier night operation.

### LINEAR ACTUATOR THROTTLE

**REAR FLOODLIGHTS (2)**

**REAR MOUNTED ALTERNATING/FLASHING LIGHTS (2)**

### REVERSE PICK-UP HEAD SYSTEM

### SEVERE WEATHER WIRING

### SUCTION INLET LINER

### TWIN GUTTER BROOMS, FLOODLIGHTS,

**PARABOLIC MIRRORS with TILT ADJUSTERS:** Left and right side mounted 43" diameter wire filled digger type with in cab control to allow operator to manipulate pitch of vertical diggers to compensate for changing curb lines; adjustable floodlight for each gutter broom; 8" convex mirrors.

**WATER FILL HOSE & RACK:** Flexible 20 foot long water tank fill hose with 2-1/2 inch hydrant coupling with rack mount. System incorporates air gap.

**STANDARD TRUCK:** Isuzu FVR/GM/Chevrolet T 7500 Cabover chassis, 33,000 lb. GVW.

**ENGINE:** Isuzu 7.8L (476 CID), In-line 6 cylinder diesel, Bore: 4.02"; Stroke 4.72"; 215 HP @ 2200 RPM; Max Torque: 560 ft. lb. @ 1450 RPM; Donaldson single stage air cleaner with safety element; oil cooler; engine warning system. Electronic engine-integral shutdown protection system.

**TRANSMISSION:** 6 speed automatic, Allison, 2500 RDS w/transmission oil cooler in radiator.

**FRONT AXLE:** 12,000 lb. capacity with 12,000 lb. capacity suspension and shock absorbers.

**REAR AXLE:** 21,000 lb. capacity with 21,000 lb. capacity air suspension (single speed 6.17 ratio).

**TIRES/WHEELS:** (6) 11R x 22.5; 14 Ply tubeless radial on 10-hole hub-piloted disc.

**FRAME:** 12.69 SM (80,000 PSI); 165" wheelbase; 134" cab to axle.

**BRAKES:** Service - Full air, cam type Q-Plus with 12.9 CFM compressor; 4-Channel anti-lock brake system. Parking - Air Operated Spring-set.

**STEERING:** Integral power - Dual

### BACK-UP ALARM:

**ELECTRICAL:** (2) 12v heavy duty maintenance free batteries (1500 CCA total).

**CAB:** Tilt; tinted safety glass; electric horn; electric intermittent wipers with washers; remote controlled and heated western mirrors (2); AM/FM CD stereo radio; tachometer; seats: Individual air driver and passenger; full complement of gauges (dual); tow hook - front bumper; storage pocket with doors; trip odometer.

**FUEL TANK:** 50 gallon (shared with sweeper).

**AIR CONDITIONER:** In-cab mounted.

### OVERALL DIMENSIONS (APPROXIMATE)

Length.....	291" (7391 mm)
Width.....	96" (2348 mm)
Height.....	118" (2997 mm)
Height, less strobe light...103" (2616 mm)	
Empty weight*.....	18,795 lbs (8533 kg)
Weight (sweeper)*.....	9,580 lbs (4349 kg)

\*Dimensions and weight may vary with equipment.

Consult Factory for Options

**AQMD PM<sub>10</sub> Certified**

**1-800-258-9626**

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