



Arrange for a demonstration today!



STARFIRE S-6t

For High Production and High Performance sweeping applications, Stewart-Amos Sweeper Co.'s Starfire S-6t is the full size sweeper for your most severe sweeping applications.

The S-6t is a full-size dual engine mechanical broom street sweeper mounted on a commercial chassis and manufactured for grueling day-in and day-out continuous heavy duty sweeping.

Built with reliability and simplicity in mind, the S-6t features a huge 6.0 cubic yard debris hopper and an in-cab controlled variable sweeping path for up to a 12 foot wide pass. Couple that with a 350 gallon water system and a 12'2" hopper dump height and you get the complete package in street sweeping.

The benefits of the Starfire S-6t include:

- 6.0 Cubic Yard Hopper
- High Performance Sweeping
- Large Volume Dust Suppression
- Variable Height Dumping
- Highly Maneuverable
- Great Mobility
- Rugged Construction
- Extremely Fuel Efficient
- Ease of Maintenance
- Simplicity of Design
- Remarkably Quiet
- Safety Monitoring Camera System
- PM-10 Certified - Rule 1186
- Proudly made in the U.S.A. 



12ft. 2in. Dump Height
Camera System



Spacious cab with easy to use controls system

Stewart-Amos Sweeper Co.'s Starfire Sweeper Series – The Powerhouse in Broom Sweepers


STEWART-AMOS
Sweeper Co.

Harrisburg, PA, USA | 800.482.2302 | stewart-amos.com



S-6t SPECIFICATIONS

General:

Debris Hopper: 6.0 cubic yards volumetric
Sweeping Path: 12 ft. maximum
Dump Height (variable): 15" to 146"
Turning Radius*: 21'5"
Overall Length*: 23'2"
Overall Height*: 9'6" with std. strobes
GVWR*: 33,000#
*Based upon sweeper unit mounted on
GMC T-7500 series cab-over chassis

Main Broom:

Length: 58" Diameter: 36"
Type: Chevron strip broom
Drive: Hydraulic motor/direct drive and reversible
Mounting: Full floating, trailing arm, with shocks
Lift Control: Hydraulic, in-cab
Speed: Variable with aux. engine rpm
Dirt Shoes: Carbide, 2" wide

Gutter Brooms:

Diameter: 42"
Type: Disposable segment- wire fill
Drive: Hydraulic and reversible
Mounting: Free-floating, trailing arm
Lift Control: Hydraulic, in-cab
Speed: Variable with aux. engine rpm
Gutter Broom Tilt: in-cab (electric)

Elevator Conveyor:

Type: 12-flight squeegee with replaceable rubber edging
Liner: Bolt-in, 2 piece AR steel plates
Chain: HD constant radius roller chain
Sprockets: Urethane
Shafts: Three
Drive: Hydraulic, in-cab, and reversible
Lift Control: Hydraulic, in-cab
Elevator Jam Warning: Buzzer, in-cab
Flushing System: Built-in

Debris Hopper:

Volumetric Capacity: 6.0 cubic yards
Dump Height (variable): 15" to 146"
Hopper Door Reach from Side: 54"
Inspection door, window, and safety prop

Paint:

Body: Standard white- high-gloss urethane enamel
Undercarriage: Gloss black enamel

Hydraulic System:

Pump: Dual tandem gear
Capacity: 24 GPM @ 2600 rpm
Reservoir: 45 gallons
Filter: 10 micron
Oil Cooler: Radiator type

Water Spray System:

Tank Capacity: 350 gallons
Construction: Non-Ferrous
Mounting: Removable
Pump: Electric diaphragm 3.6 GPM 45 PSI max.
Spray Nozzles:

- 4 on front spray bar
- 4 - two on each gutter broom
- 4 on main broom

Fill Hose: 2 1/2" x 20' with NST coupler and inline strainer
4" Anti-siphon air gap
Filter: 80 mesh
Elevator flush out system
Air purge system

Electrical System:

Alternator: 160 AMP Voltage: 12 volt
Lights: front and rear strobe lights; gutter brooms and rear mounted working lights; license plate; 2 stop/turn/tail; and clearance lights
Backup alarm

Camera and Monitor Safety System:

7" Color monitor with right side gutter broom and reverse color cameras

Instrumentation and Controls:

Sweeper function rocker switches
Fuel gauge
Elevator stall alarm
Auxiliary engine hour meter and tachometer
Electronic throttle
Console night light

Sweeper Engine:

Make: Kubota V2403-M-TE3
Tier 3 Compliant
Horsepower: 47.9 continuous @ 2700 rpm
Type: in-line, four-cylinder turbo diesel
Auto shutdown for high temperature/low pressure

Standard Accessories:

Auto pickup in reverse
Independent left and right gutter brooms
"ONE-TOUCH" Sweeping
50 gallon*, common fuel tank
Operators, parts and maintenance manuals
Dry type single stage air cleaner with restriction indicator
IN-CAB Adjustable gutter broom sweeping swath- 8ft. to 10ft. (Option to 12ft.)

Warranty Policy**

The Starfire S-6t sweeper is guaranteed to be free from defects due to faulty materials and/or workmanship for a period of 12 months, or 1,000 hours (whichever occurs first). Liability is limited to replacement of defect parts at factory or authorized dealer. The standard warranty of the chassis manufacturer and auxiliary engine applies.

Available Options: (not included in base price)

54" gutter brooms for a 12 foot swath
Dual 3.6 GPM Water pumps for 7.2 GPM
Arrow Board
LED Lights in lieu of standard
Strobe/Beacon Protector
Front Mounted Magnet
Epoxy Hopper Liner
Stainless Steel Hopper
Extended Warranties
Body Paint Colors
Others upon request
Wide variety of available chassis**
**Consult your dealer for details

The Starfire S-6t has built a reputation for rugged reliability and superior sweeping performance. Let us build one for you. Call your dealer today to arrange for a demonstration.

Sold and Supported Locally by:

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Please Note:
Specifications are subject
to change without notice

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