



Arrange for a demonstration today!



STARFIRE S-5t

12ft. Dump Height




The preferred balance of performance, reliability and capacity, the Stewart-Amos Sweeper Co.'s Starfire S-5t is a powerhouse for your most rigorous sweeping applications.

The S-5t is a full-size twin engine mechanical broom street sweeper mounted on a conventional or cab over commercial chassis and manufactured for a hard day of sweeping year-in and year-out.

Built with reliability and simplicity, the S-5t features a 5.0 cubic yard debris hopper and an in-cab controlled variable sweeping path for up to a 11 foot wide pass. Couple that with a 350 gallon water system and a 12' hopper dump height and you get the total package in street sweeping.

The benefits of the Starfire S-5t include:

- 5.0 Cubic Yard Hopper
- Quad (4) "X" Style Hopper Scissor Lift
- 4 Corner Hopper Lift
- Variable Height Dumping
- High Performance Sweeping
- Spring Balanced Brooms Auto Compensate for Wear
- Large Volume Dust Suppression
- Three Shaft Elevator Design
- Great Maneuverability and Mobility
- Rugged Construction
- Extremely Fuel Efficient
- Front & Rear Canopy Enclosures Maximize Component Protection
- Ease to Maintain
- Remarkably Quiet
- Safety Monitoring Camera System
- PM-10 Certified - Rule 1186
- Proudly made in the U.S.A. 

The Starfire series 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.

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



Optional pressure washer system with extra long spray hose.

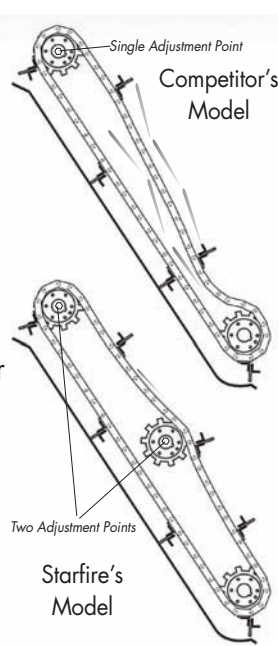
Exclusive 3-Shaft Elevator

BENEFITS:

LONGER LASTING. 3rd shaft ensures just the right amount of upper chain support and tension. Extends chains wear life and eliminates chain slapping.

REDUCED MAINTENANCE COSTS. 3rd shaft doubles amount of available chain adjustments. This and optimum upper chain support reduces chain wear and need to remove chain links by more than 50%.

BETTER LOADING PERFORMANCE. Maintains unrestricted debris movement. 3rd shaft maintains optimum chain spacing ensuring effective sweeping of large/bulky debris to minimize clogging.



Massive quad (4) "X" style lift scissors with four corner lift provide exceptional hopper stability especially when dumping wet, unbalanced or sticky debris.

S-5t SPECIFICATIONS

General:

Sweeping Path: 132 in. maximum*
 Debris Hopper: 5.0 cubic yards volumetric
 Dump Height (variable): 15" to 144"
 Turning Radius*: 21' 5"
 Overall Length*: 23' 4"
 Overall Height*: 9' with std. strobes
 GVWR*: 33,000#
 *Based upon sweeper unit mounted on Freightliner M2 conventional chassis

Main Broom:

Length: 58" Diameter: 36"
 Type: Chevron strip broom
 Drive: Hydraulic motor/direct drive and reversible
 Mounting: Full floating with in cab adjustable down pressure, trailing arm design
 Lift Control: Hydraulic, in-cab
 Speed: Variable or constant
 Dirt Shoes: Carbide, 2" wide or Brush Style

Dual Gutter Brooms:

Diameter: 42" or 54"
 Type: Spring balanced, auto wear compensating
 Drive: Hydraulic and reversible
 Performance: Spring balanced with auto-wear compensation
 Mounting: Free-floating, trailing arm
 Lift Control: Hydraulic, in-cab
 Speed: Variable with auxiliary engine rpm
 Gutter Broom Tilt: in-cab (electric)
 Dual float protected

Elevator System:

Type: 10-flight squeegee with replaceable rubber edging
 Liner: Bolt-in, 2 piece AR steel plates
 Chain: HD constant radius roller chain
 Sprockets: Urethane
 Shafts: Three (see side bar above)
 Drive: Hydraulic, in-cab, and reversible
 Lift Control: Hydraulic, in-cab
 Elevator Jam Warning: Light/Buzzer, in-cab
 Flushing System: Built-in

Debris Hopper:

Volumetric Capacity: 5.0 cubic yards
 Dump Height (variable): 15" to 144"
 Dump angle: 56°
 Hopper Door Reach from Side: 53"
 Inspection door, window, and safety prop
 4 Corner hopper lift
 Quad (4) "X" style scissor lift

Hydraulic System - Twin Engine:

Pump: Dual tandem gear
 Capacity: 24 gpm @ 2600 rpm
 Reservoir: 45 gallons
 Filter: 10 micron
 Oil Cooler: Electric fan cooled & remote mounted
 Integral hydraulic pressure gauges

Twin Engine Sweeper Power:

Make: Kubota V2403-M-TE3
 Interim Tier 4
 Horsepower: 59 continuous @ 2700 rpm
 Type: in-line, four-cylinder turbo diesel
 Auto shutdown for high temperature/low pressure

Water Spray System:

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

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

 Fill Hose: 2½" x 20' with NST coupler and inline strainer
 4" Anti-siphon air gap
 Filter: 80 mesh
 Elevator flush out system
 Air purge system and water drains

Electrical System:

Alternator: 160 AMP Voltage: 12 volt
 LED Lights: 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 (backlit)
 Elevator stall alarm
 Night light

Paint:

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

Standard Accessories:

Auto pickup in reverse
 Independent left and right gutter brooms
 "ONE-TOUCH" Sweeping
 Operators, parts and maintenance manuals
 IN-CAB Adjustable gutter broom sweeping swath- 8ft. to 10ft. (Optional to 11ft.)

Limited Warranty Policy**

The Starfire S-5t 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 and auxiliary engine manufacturers apply.

Available Options: (not included in base price)

*54" gutter brooms for an 11 foot swath
 Dual 3.6 GPM Water pumps for 7.2 GPM
 Hopper vibrator
 Auto lube system
 Pressure wash down system with 50' hose and wand
 Arrow Board
 Strobe/Beacon Protector
 Front Mounted Magnet
 Epoxy Hopper Liner
 Stainless Steel Hopper
 Extended Warranties
 Body Paint Colors
 High output twin engine 74.3 hp ILOS with S-5t
 Others upon request
 **Consult your dealer for details

• Please read actual warranty for details and limitations

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