



**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***



**EFFECTIVELY SIMPLE**

**Harrisburg, PA, USA | 800.482.2302 | [stewart-amos.com](http://stewart-amos.com)**

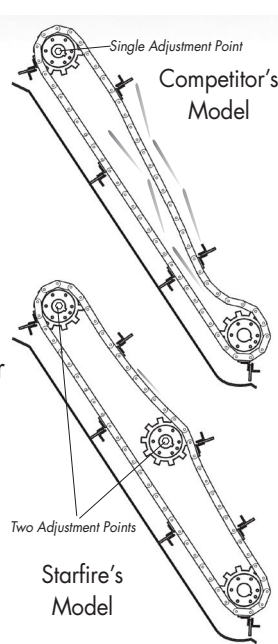
# Exclusive 3-Shaft Elevator

## 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  
 Wide variety of available chassis\*\*  
 \*\*Consult your dealer for details

• Please read actual warranty for details and limitations

## Sold and Supported Locally by: