

# GALAXY R-6



An Effectively Simple, 6 yd<sup>3</sup> Regenerative Air Street Sweeper Mounted on a Highly Maneuverable, Non-CDL Cab-Over Chassis



Proudly American 

  
**STEWART-AMOS**  
Sweeper Co.



# GALAXY R-6

- ▶ Highly Productive Performance
- ▶ Rugged and Reliable
- ▶ Extremely Maneuverable

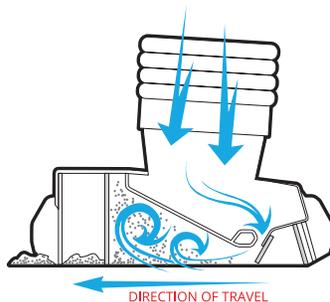
The **R-6** is a full-featured 6 yd<sup>3</sup> regenerative air street sweeper that is mounted on a highly maneuverable cab-over chassis that does not require a CDL to operate. Manufactured with reliability and simplicity in mind, the **R-6** features a blast orifice style sweeping hood that generates a powerful air flow needed for deep cleaning road surfaces.

The **R-6** offers the right combination of size, power, and capacity, making it perfect for a variety of applications, including sweeping roads and congested downtowns.

At Stewart-Amos, we build every sweeper to the highest quality standards that incorporate our *effectively simple* design criteria. With ease of operation, service, and maintenance in mind, we engineer and select each component and system to be rugged, reliable, and uncomplicated while providing the most effective and highest sweeping performance.

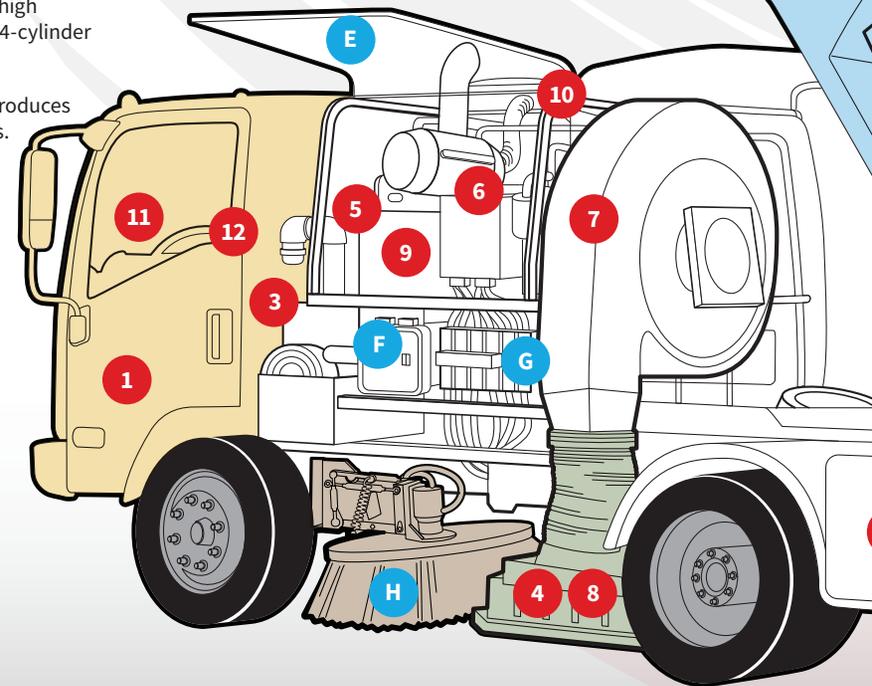
**We look forward to building one for you. Please contact your local dealer for more information or to arrange a demonstration.**

### Stewart-Amos Blast Orifice Pick-Up Hood



## R-6 Standard Performance, Productivity & Safety Features:

- 1** Mounted on 19,500 # GVWR cab-over chassis that does not require a CDL to operate. Features an impressive 18' turning radius.
- 2** A 6.12 yd<sup>3</sup> hopper minimizes dump cycles & maximizes sweeping productivity. A hopper cavity aids in effective dust/air separation & improved dust control.
- 3** The 200 gallon polyethylene water tank is protected by a steel enclosure. A 3-zone pump system ensures dust-free sweeping. Electric diaphragm pumps provide long service life.
- 4** Rugged pick-up hood allows for sweeping in forward & reverse. "Hoods-Up Litter Gulper" ensures quick & effective loading of bulky, light material. The front of the hood raises to more easily vacuum and alleviate bulky debris buildups.
- 5** 12-volt auxiliary hydraulic system operates all hydraulic functions without running the sweeper engine.
- 6** 74 HP Kubota turbo-charged diesel engine with high temperature/low pressure auto shutdown. This 4-cylinder engine is quiet & fuel efficient.
- 7** 30" abrasion-resistant steel high-pressure fan produces maximum air flow pressure with low noise levels.
- 8** The Blast Orifice Hood allows the air flow generated by the high-pressure fan to effectively vacuum the debris from the road surface.
- 9** Large 25 gallon hydraulic reservoir ensures proper cooling.
- 10** Electric-powered, continuous running hydraulic oil cooler is roof-mounted to prevent clogging & provides maximum cooling.
- 11** Vertically-mounted control panel is 6-way adjustable for easy & ergonomic viewing. Convenient console light allows for ease of use at night.
- 12** Color camera system keeps operator facing forward. Sweeper comes standard with dashboard-mounted 7" color monitor with right gutter broom & rear backup cameras. Hood view camera is available.
- 13** Two large, interconnected storage compartments provide over 20 ft<sup>3</sup> of storage across rear of unit for tools & vacuum hose extensions.



**A Bolt-Together, Stainless Steel Hopper Panels**



Bolt-together, stainless steel hopper panels (no welds) are easier & more economical to replace if damaged. Hopper comes with a 5-year "no rust-through" factory warranty.

**B Stainless Steel Centrifugal Dust Separator**



Stainless steel, centrifugal dust separator located inside the hopper separates fines from the air stream.

**C Top-Mounted Hopper Cover**



The top-mounted hopper cover opens automatically during dumping cycle to provide quicker, easier & safer cleaning of stainless steel screens & hopper.

**D 28 ft<sup>2</sup> Stainless Steel Debris Screen**



28 ft<sup>2</sup> stainless steel debris separator screens maximize sweeping productivity. Screens can be easily cleaned from outside of unit. Bolt-in design makes screen replacement easy.

**E Stainless Steel Engine Shrouds**



Stainless steel engine shrouds are compact, protective & noise reducing. Gull wing design makes it easier and faster to service power plant without raising an interconnected hopper/shroud assembly.

**F Simplified Wiring**



Electrical relays & fuses are protected from the elements in a sealed NEMA 4 enclosure. The wiring is heat stamped with numbers for easy identification.

**G Electric-Over Hydraulic System**



Effectively simple electric-over hydraulic valve system has reliable & easy-to-replace components. Onboard pressure gauge allows for simple servicing.

**H Spring-Balanced Brooms**



Spring-balanced, free-floating gutter brooms automatically apply correct surface pressure for maximum broom wear life. In-cab gutter broom electric tilt is standard.

**I Auxiliary Suction Hose**

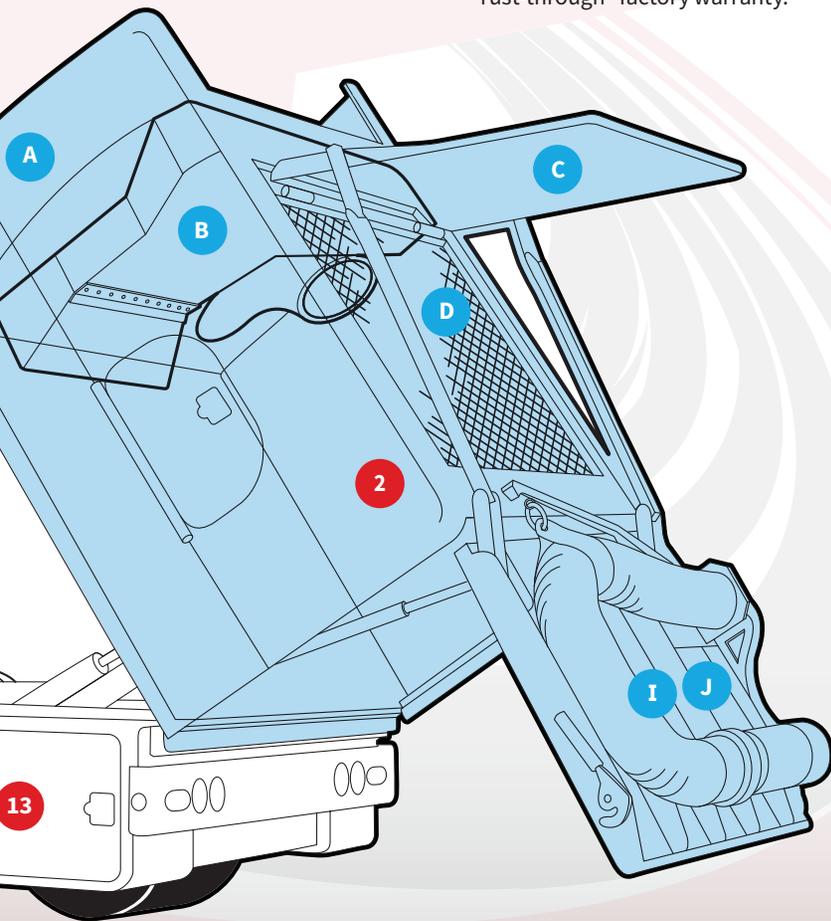


Optional 10' Auxiliary Suction Hose with 4' aluminum tube helps clean storm drains.

**J High-Pressure Wash Down System**



Optional High-Pressure Wash Down System with 50' hose reel & spray wand allow separator screens & hopper to be cleaned at any time which can improve vacuum performance.



# R-6 SPECIFICATIONS

## Debris Hopper:

Capacity: 6.12 cubic yards  
Construction: Bolt-together stainless steel  
Suction Tube Diameter: 12" Diameter HD rubber  
Inspection Doors: 1 on each side  
Inspection Door Opening: 13.7" x 26"  
Dump Type: Hydraulic lift  
Dump Height: 22" (measured from ground to hopper opening)  
Dump Controls: Electric, in-cab  
Separator Screen Construction: 28 ft<sup>2</sup> removable 4-piece stainless steel  
Separator Screen Cleaning: Hydraulic assist access cover

## Auxiliary Engine:

Type / Fuel: 4 Cycle / Diesel  
Model: Kubota 74.3 HP @ 2600 rpm, Tier 4 Interim  
Air Filter: 2 stage / Dry Type w/ safety element  
Safety Shutdown: Temperature & oil pressure  
Engine Shroud: Noise reducing; stainless steel

## Impeller:

Diameter: 30"  
Type: 10 Blade / Backward inclined / High pressure  
Maximum Speed: 3050 rpm  
Drive: 6-groove banded belt  
Construction: Abrasion resistant steel  
Mounting: 2 Sealed & greaseable ball bearings  
Housing Construction: Welded steel  
Bolt-in Liner: Replaceable corded rubber

## Hydraulic System:

Pump Type: Fixed displacement gear  
Drive: Direct from auxiliary engine  
Pump Capacity: 10 gpm  
System Filter: 6 micron  
Reservoir Capacity: 25 gallons  
Oil Cooler: Electric-remote mounted  
Hydraulic pressure diagnostic gauge

## Auxiliary Hydraulic Back-Up System:

Pump Type: 12 volt DC  
Controls: In-cab  
Purpose: Temporary power for all hydraulic functions without auxiliary engine

## Dual Left & Right Curb Brooms:

Diameter: 42" Spring-balanced with auto wear compensation  
Drive: Direct - Hydraulic motor  
Tilt: Electric, in-cab  
Mounting: Free-floating, trailing arm  
Left & right gutter broom lights

## Water Spray System:

Tank Capacity: 200 gallons  
Construction: Polyethylene  
Pump System: 5.5 gpm  
Pumps: Electric diaphragm  
Spray Nozzles:

- 4 on front spray bar
- 2 on each gutter broom
- 8 on suction hood
- 1 in hopper
- 1 in transition tube

Fill Hose: 20' with NST coupler with anti-siphon air gap  
Water Pump Prefilter: 80 mesh

## Sweeping Hood:

Type: Blast orifice (left to right)  
Suction Tube: 12" diameter HD rubber  
Hood Width: 80.5"  
Flaps: Bolt-in rubber  
Skid Material: Steel with Tungsten Carbide insert  
Sweeps forward & reverse

## Instrumentation & Controls:

Location: In-cab  
Configuration: Rocker switches  
Switches: Sealed & back lighted  
Monitoring Gauges:

- Coolant temperature
- Oil pressure
- Voltage
- Hour meter
- Tachometer
- Backup alarm

7" Color monitor with right side gutter broom & rear backup color cameras

## Standard Chassis:

GVWR: 19,500#  
Make: ISUZU  
Model: NRR with vertical exhaust  
215 HP 4-cylinder diesel engine  
Automatic transmission  
5-year / 150,000-mile powertrain warranty  
Tires: 225/ 70R 19.5 - steel-belted radials  
Air conditioning  
AM/FM/CD stereo radio  
Power windows & door locks  
Integral power steering  
Color: White  
West Coast Mirror with added 8" convex mirror

## Weights & Dimensions:

Total Empty Weight: 12,650 lbs.  
Turning Radius: 18' 6"  
Overall Length: 243"  
Overall Height: 101"  
Overall Width: 102"  
Sweeping Width (hood only): 80.5"  
Sweeping Width (hood & left broom): 101"  
Sweeping Width (hood & dual brooms): 122"

## Limited Warranty Policy:

The Galaxy R-6 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. Stainless steel hopper carries a 5-year no rust-through warranty. *Please read full warranty statement for details and limitations.*

## Available Options: (not included in base price)

Dual steer chassis  
Hopper drain  
Arrow board  
Pressure wash-down system with 50' hose & wand  
LED hood lights  
Hopper vibrator dump assist shaker  
Camera - Hood view  
Hydraulic assisted rear-mounted suction hose

## Available on:



## The Right Sweepers to Match Your Needs

Whatever your sweeping challenge, Stewart-Amos has the right sweeper to match your needs. We offer a full line of *effectively simple* chassis-mounted mechanical broom and regenerative air street sweepers.



Harrisburg, PA USA  
800.482.2302  
stewart-amos.com

Specifications are subject to change without notice.  
Copyright © Stewart-Amos Sweeper Co. / 2017

## Sold and Supported Locally by: