



SuperiorRoads SOLUTIONS



**POWER
VERSATILITY
AGILITY
RELIABILITY**





POWERFUL SWEEPER

The S2 has a powerful sweeping system. Its simple design gives you outstanding sweeping performance in a wide range of applications and in all kinds of conditions.

ADJUSTABLE, FLOATING BROOMS

All brooms are free floating and fully adjustable, which allow them to follow the contour of the road. The gutter brooms are equipped with parallel linkage.

UNRIVALED DUST CONTROL

Our patented water saver system applies droplets of water to the tips of the broom where the moisture is needed, reducing the amount of water that has to be sprayed onto the street, and the amount of dust. All Python sweepers are PM-10 Certified.

CENTRE HOPPER WITH VARIABLE DUMP HEIGHTS

The centre-mounted hopper provides even load distribution, a clear view of the hopper via lexan windows and a full 4 cubic yard volumetric capacity. A dependable scissor-type lift mechanism enables dumping from infinitely variable heights from 18" to a full 10'6".

FUEL EFFICIENT, LOW-COST MAINTENANCE, NO GREASE POINTS

Simplicity of design, innovative engineering and quality craftsmanship produce sweepers that spend more time on the road sweeping. Components are easily accessible for fast and easy service. We've even eliminated all the grease points.

OPERATOR-FRIENDLY

The S2 offers outstanding visibility and a comfortable ride for operators. Both operators and local residents appreciate the quiet operation of Python sweepers.

The S2 allows you to get to the job quickly. When you arrive, the highly maneuverable, short wheelbase chassis and compact design makes even the tightest areas accessible.

SUPERIOR SWEEPING SOLUTIONS FROM SUPERIOR ROADS

The S2 is the ideal sweeper for sweeping contractors, municipalities and smaller cities. In fact, towns and cities of all sizes have found the S2 to be a valuable piece of equipment when it comes to cleaning up construction sites, dealing with emergency cleanups and countless other applications. That's because the S2 has the ideal mix of economy, performance, durability, flexibility and operator comfort. Plus, no commercial driver's license is required to operate an S2.

The S2 has the most powerful engine of any sweeper in its class. Tandem gear pumps hydraulically drive the main and gutter brooms, elevator and hopper dump.

Its hydraulics are simple and efficient. Electric over hydraulic controls give you the flexibility you need to operate your sweeper at maximum performance.

The heart and soul of a sweeper is the elevator system. The durable squeegee-type elevator puts more debris into the hopper quickly and efficiently with less maintenance.

We also focus on making the S2 simple to operate and simple to maintain. All service points are easily accessible and there are no grease points.



A standard S3 is mounted on an Isuzu NRR or NQR chassis. It offers excellent operator comfort and visibility. However, the S3 can also be ordered on other cab-over chassis from 16,000 lbs to 19,500 lbs.

All brooms are independently driven for maximum reserve sweeping torque and increased operating flexibility. They are free-floating, fully adjustable and follow the contour of the road surface. That means more debris from the road goes into the hopper.

In-cab down pressure controls are offered as an option. However, SuperiorRoads recommends broom adjustments be made outside of the cab while the operator has full view of the brooms and the sweeping pattern. This ensures the most efficient sweeping and longest broom life.



S2 Specifications



General Specifications:

Sweeping path: 114" (2.9m)
Overall height: 102" (2.6m)
Overall length: 242" (6.1m)
Dump height max: 126" (3.2m)
Dump location: left side standard
Wheelbase: 132" (3.3m)

Engine, Auxiliary:

Manufacturer: Yanmar
Model: 4TNV98, 4 cylinder diesel
Displacement: 3300 cc
Rated horsepower: 68 hp@2800 rpm
Torque: 163 ft-lbs@1500 rpm

Main Broom:

Hydraulic direct drive: variable and reversible
Diameter: 36" (91 cm) Length: 58" (147 cm)
Steel core: 8.63" (22 cm) diameter
Pressure Control: left/right independent spring tension
Lift Type: hydraulic
Mounting: trailing arms/side support

Gutter Brooms:

Number of brooms: 2
Diameter (Bristle): 44" (111 cm)
Design: free-floating spring suspension
Hydraulic direct drive: reversible
Adjustment: independent left, right, up & down
Controls: pressure & wear, tilt, speed

Debris Hopper:

Material volume: 4.0 cu yd volumetric
Maximum dump height: 10' 6" (3.3 m)
Minimum dump height: 18" (46 cm)
Left side dumping: standard
Dump angle: 50°
Dump capacity: 9,500 lbs (4,309 kg)
Lifting: scissor with single telescopic hydraulic cylinder

Water System:

Patented Water Saver System
Capacity: 200 Gallons
Tank material: polyethylene
Electric pump: diaphragm, 3.0 gpm
Water system material: non-corrosive, 100 mesh
Spray Nozzles: 6 under cab, 4 over MB, 2 each GB,
Drip nozzle over each GB



Hydraulic System:

Tank capacity: 45 Gallons
Pump: tandem gear
Pump Capacity: 2 x 10 gpm @ 1800 rpm
Controls: electric over hydraulic
Hydraulic drive motors: all interchangeable
Hydraulic fluid cooler: air to oil

Conveyor:

Squeegee-type system with 7 flights
Hydraulic direct drive, variable speed and reversible
Relief valve protected
Width: 56.5" (140 cm)
Conveyor flush system

Instrumentation & Controls:

Electronic LCD
Elevator stall warning
Sweeper function rocker switches
Fuel consumption rate
Auxiliary engine: low oil pressure, high coolant temperature warning and shut-down

Lighting (Electrical) System:

Warning beacon & emergency flasher lamps
Back-up lamps with audible alarm
Gutter broom and main broom spotlights

Standard Features:

40 gallon fuel tank, greaseless sweeper body,

They say that imitation is the sincerest form of flattery. If that's the case, then we feel truly complimented because SuperiorRoads copies are everywhere in the sweeping industry. Yet, we continue to provide the best and most reliable sweepers.

Bangalore:

510B, Mittal Towers
MG Road
Bengaluru-560 001

Hyderabad:

Taj Enclave
Flat No. 307
Opp. Vasavi Hospital
Lakadi Ka Pool
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We are continuously improving our products. Design, specifications and material are subject to change without notice.

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