

**NEW**  
**Applied 525HS**



**Innovative Design. Built Tough.**



**Without Compromise...**



## Innovative Design

### Sweep streets, parking lots and garages.

Powerful suction, an *8 mph sweeping speed* and a maximum *71" sweep path* allows fast and efficient sweeping of curb lines or parking lots. Take on tasks previously possible only using larger machines. With a *6'6" overall height*, the 525HS is perfect for cleaning public garages. Its powerful engine allows the sweeper to easily climb ramps up to a *20% grade*.

### Sweep sidewalks, alleys, walkways and trails.

The compact design allows maneuvering in even the tightest areas. With its *compressed turning radius*, *effortless steering* and *fully articulating brushes*, the 525HS scours debris from even the most inaccessible areas. Turn up the *variable force vacuum* to clean rough-surface bike trails and pull debris from the crevices between cobblestones. This *light-weight sweeper* will move easily over cellar doors and not disturb environmentally sensitive areas. Rugged *4-wheel drive* means traction on any surface.

**Spend more time sweeping.** The 525HS is a smaller machine with a greater capacity. Our well-proven mulching impeller allows an incredible 4 cubic yards of debris to be collected. And when the hopper is full, a 23 mph travel speed and a high dump hopper means you can empty easily and get back to work in record time.

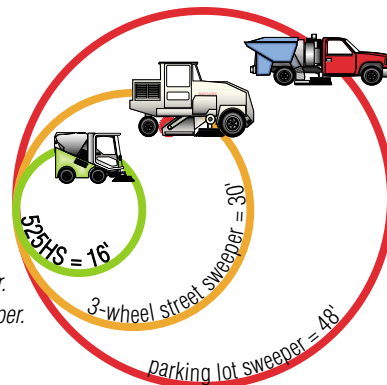
**Easy to learn and easy to operate.** Traditional sweepers are very complex to operate. By contrast, the 525HS is easy for anyone to master. Many functions are fully automated by an *advanced intelligent control system*. A secure, fully-enclosed cab, joystick brush controls, great forward view and climate control make operators more efficient. One-button switching from sweep mode to travel mode and ergonomic design add up to easy training and simple and safe operation.

*The 525HS has double the maneuverability of a typical three-wheeled street sweeper. It requires one-ninth the space in which to turn, compared with a parking lot sweeper.*



## Built Tough

- **single Kubota turbo-diesel engine** provides economical and quiet power.
- **powerful hardened steel impeller fan** mulches debris down to a quarter of its original size.
- **stainless steel hopper and frame** make for outstanding durability.





## Without Compromise

You asked for a sweeper that works easily among pedestrians, so we made the 525HS powerful yet quiet. You asked for efficiency, so we gave it a high-capacity hopper within a compact design. We engineered in speed but kept it safe. You wanted equipment to stand up under hard use, so we gave it rugged performance but made it light enough to sweep on any surface.

You wanted a new approach, so we started from the ground up, determined to build a revolutionary sweeper for urban centers, universities, malls, hospitals and communities.

*Ideal for sidewalks. The joystick-controlled brushes scour debris from in and around tight areas.*



*Powerful enough to double as a street sweeper. The powerful suction and large capacity of the 525HS makes maintaining curb lines a breeze.*



*Light, compact and maneuverable. The 525HS goes anywhere and mixes well with pedestrians. It brings a high profile approach to cost-effective sweeping.*



*Low overall height makes easy work of parking garages, tree-lined avenues or mass transit areas.*



*The 525HS combines light weight with variable suction power for use on more delicate surfaces such as brick, cobblestone or cellar doors.*

*Intelligent controls. Well planned, simple instruments bring operating the 525HS within the reach of all of your staff.*

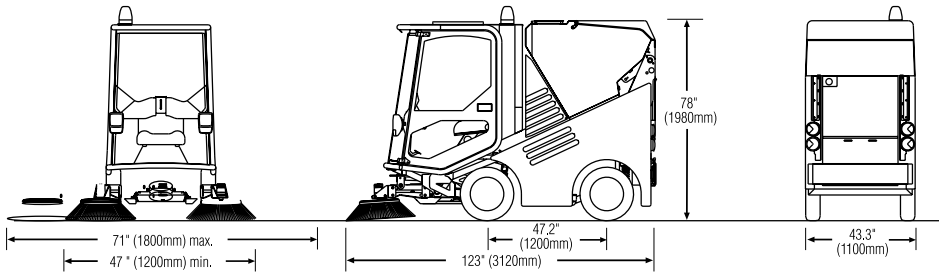


*Tilting cab and removable access panels. Total access makes for easy maintenance.*





## SPECIFICATIONS



### Dimensions

Overall length 123" (3120 mm)  
Minimum width 45" (1140 mm)  
Overall height 78" (1980 mm) with beacon folded down.  
Minimum sweep width 47" (1200 mm)  
Maximum sweep width 71" (1800 mm)  
Curb weight (ready for sweeping) 3,390 lb. (1,538 kg.)  
GVWR 4,630 lb. (2,100 kg)

### Chassis

Purpose-built Chromweld steel corrosion-resistant chassis.  
Fully independent suspension with coil springs and dampers for excellent ride.  
Meets Federal regulations for slow-moving vehicles.  
Maximum height of 6' 6" for access to parking garages, tree-lined avenues or mass transit areas.  
Automatically variable front wheel track width from 37.4" (950 mm) to 46.9" (1190 mm) gives excellent cornering stability at speed while maintaining narrow minimum width when sweeping in congested areas.  
Wheel base 47" (1200 mm).  
Turning radius 75" (1910mm). Curb-to-curb 97" (2460mm). Wall-to-wall 128" (3250mm).  
Power-assisted steering.  
Automatic hydrostatic 4-wheel braking. Secondary drum brakes on rear wheels operated by foot pedal.  
Hand operated parking brake.

### Engine

Single engine Kubota D1105T three-cylinder turbocharged liquid cooled diesel.  
1123 cc (68.5 cu. in.) capacity producing 31.3 hp (23.4 kw).  
Meets California emissions standards.  
Electronic engine and hydraulic management systems for maximum fuel and horsepower efficiency.  
9.5 gallon (36 liter) fuel tank.

### Transmission

Variable speed 4 X 4 hydrostatic drive with independent hydraulic wheel motors.  
Maximum travel speed 23 mph  
Maximum incline gradient 20%.  
Electronic control matches engine speed and hydrostatic power output to load requirements.

### Hopper

1 cubic yard (750 liter) volumetric capacity.  
4 cubic yards effective capacity after mulching of debris by impeller fan.  
Stainless steel construction.  
57.5" (1460 mm) high-dump empties into most standard dumpsters / roll-offs.  
1,240 lb. (560 kg) payload.  
Hydraulically operated top door for loading bulky debris.  
Easy access to hopper and screen area.

### Sweeping System

Vacuum sweeper with hydraulically-driven hardened manganese steel mulching impeller with tungsten carbide coating.  
Reduces volume of debris by up to 4:1.  
Two front-mounted brooms of 24" (600 mm) diameter.  
Joystick-controlled variable sweep width from 47" to 71" (1200mm to 1800mm).  
8 mph sweeping speed.  
Maximum coverage rate of 250,000 square feet per hour.  
Variable suction power for sweeping delicate surfaces.  
3-stage dust separation with unique active-cyclone final stage.  
45 gallon (170 liter) water tank.

### Options

Air conditioning. Color CCTV reversing camera.  
Pressure washer wand. 10 foot wanderhose.  
Radio/CD player.



*Our unique impeller design compacts debris at a 4:1 ratio.*



*High-dump hopper empties quickly and easily for more sweeping hours. Use standard containers or small dump trucks to save budget dollars.*

## Applied Sweepers



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