

S30



Mid-sized Rider Sweeper

- Deliver unrivaled sweeping performance and dry dust control with 3-stage SweepSmart™ system
- Clean indoors and out, without compromising performance
- Improve operator safety with low 80 dBA noise rating and innovative cab forward design



The quietest, most productive indoor/outdoor sweeper available



Engineered for reliable, industrial-strength sweeping, the Tennant S30 rider sweeper improves indoor and outdoor performance, significantly reduces sound levels and features the exclusive SweepSmart™ dust control system.

Significantly improve air quality

Create cleaner air while delivering better sweeping results with the SweepSmart™ dust control system. This 3-stage system filters sub-micron dust particles to a MERV 13 rating on the ASHRAE 20 point scale, resulting in near HEPA levels.

Unrivaled sweeping performance

Easily pick-up everything from fine grains of sand to light debris on almost any terrain or floor surface. The Tennant S30 offers true indoor/outdoor flexibility while delivering exceptional cleaning results.

Unparalleled safety

Focusing on safety, the Tennant S30 provides better operator sightlines, reduced noise levels, and easy operation. This is achieved with a cab forward design, key material and system improvements, and recognized by Underwriter's Laboratory (UL®) stamp of approval.

Reliably provide a clean, safe, and productive environment with SweepSmart™

Improving air flow filtration and dust control for sweeping, the patent-pending S30 SweepSmart™ system uses a **3-stage dust control system** for unrivaled performance:



STAGE 1

Keep bulky debris, moisture and dirt in the hopper with the *first stage Perma-Filter™*.

STAGE 2

Remove fine dust and moisture by redirecting it into the hopper with the *second stage cyclonic filters*.

STAGE 3

Filter sub-micron dust particulates down to 0.5 microns at 99% efficiency with a *third stage, flame retardant, nanofiber canister filter*.



PRODUCTIVE. CLEAN. SAFE.



Reduce downtime, service time, and maintenance costs by quickly accessing the heart of the S30 with EasyOpen™ service access.

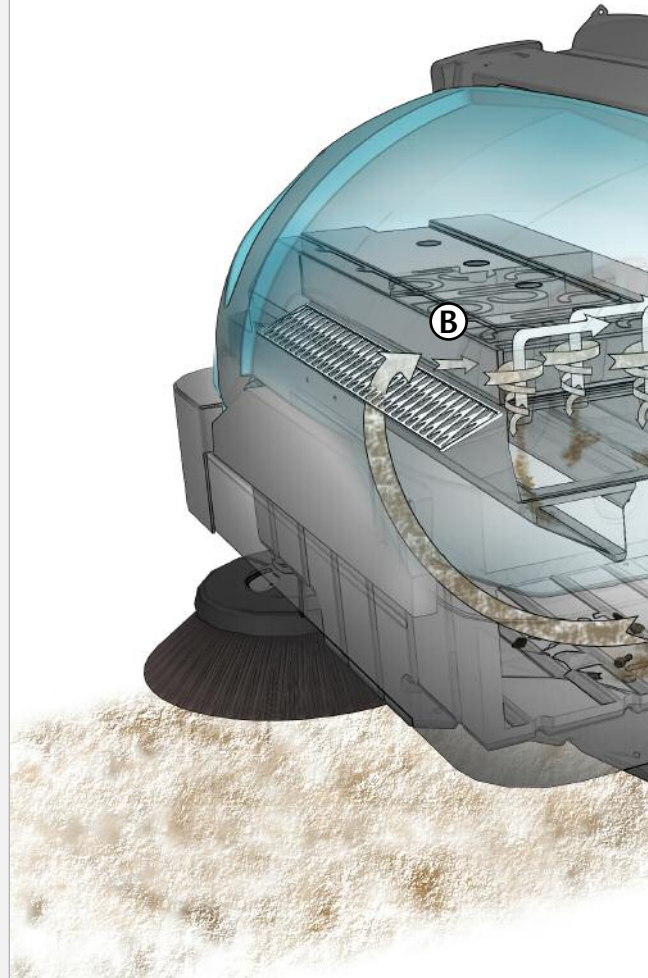


Dumps at any height from ground level to 60 in (1525 mm) and reaches up to 30 in (760 mm) into the dumpster. Contain debris during transport with a hopper equipped with a rear hopper door.



Enhance operator safety and productivity with a cab forward ErgoSpace™ operator compartment that improves operator comfort and visibility.

INSIDE THE S30



A

Ensure operator safety, by alerting and shutting down sweeping functions, if increases in hopper temperature are sensed by Thermo-Sentry™.

B

Provide air flow filtration and dry dust control for sweeping all floor surfaces with the SweepSmart™ system.

KEY AVAILABLE FEATURES



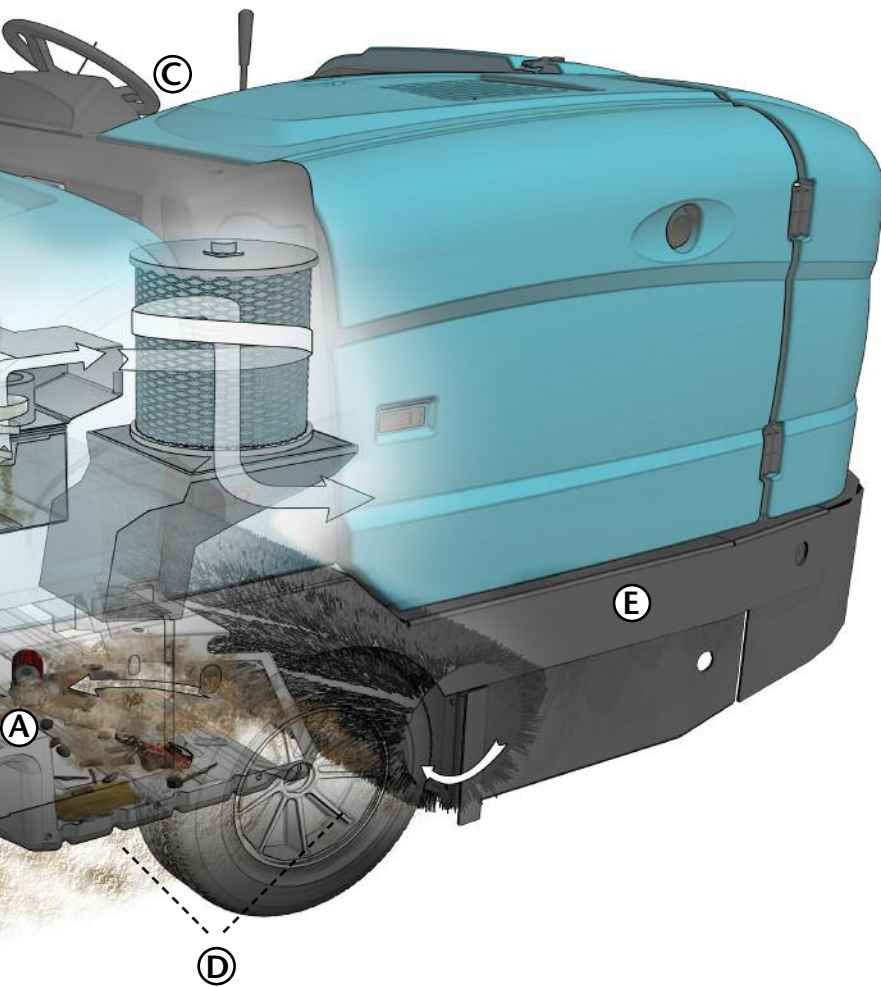
Achieve outstanding results in the harshest environments with dual side brushes which, combined with a large 14 ft³ / 395 L Duramer™ hopper, allow you to sweep up to 80 in / 2,030 mm in a single pass.



Travel between work sites safely and quickly with the S30 X4 configuration that travels up to 15 mph (24 kph) on a stable 4 wheel platform with comfortable leaf spring suspension.



Increase safety and effective operation, in even the most severe environments, with an optional FOPS certified (ISO 3449) pressurized cabin available with heat and air conditioning.



C

Effectively remove different types of debris with the II-Speed™ sweep system. This increases the speed of the main brush, side brush, and vacuum fan by 20%.

D

Improve sweeping results with the retractable, spring loaded flap that re-circulates any debris that may escape over the main brush.

E

Depend on long-term structural reliability with a heavy-gauge steel machine frame designed for greater strength, rigidity, and long life.

S30 SWEEPERS

| | RESULT | FEATURE |
|----------------------|---|--|
| Increased Safety | Improves visibility and response time to obstacles | Cab forward ErgoSpace™ operator compartment |
| | Reduces the risk of accidental hopper fires | Thermo-Sentry™ hopper sensor |
| | Independent laboratory certification for global safety compliance | Underwriter’s Laboratory (UL®) Certified |
| | Reduces fatigue and environment noise levels | Lowest noise level for an engine-powered sweeper in this class at 80 dBA |
| Reduced Costs | Quick, easy maintenance, allows maximum uptime | EasyOpen™ service access and on-board diagnostics |
| | Reduces hydraulic temperatures and increases component life | Large-capacity hydraulic oil tank, triple accessory pumps, and micro component in-line filter to provide consistent hydraulic flow and pressure |
| | Reduces unnecessary downtime and wheel maintenance | Soft ride, solid tires have a significantly higher load capacity, remarkable durability and low maintenance |
| | Reduces maintenance costs and increases effective cleaning performance | Large spline drive that transfers power deep into the brush core, integrated string and twine guard, and Tennant’s patented color coded brush wear indicator |
| Maximum Productivity | Maximizes dust control while sweeping | SweepSmart™ 3-stage dust control system provides improved air flow filtration and dust control |
| | More effectively sweep different types of debris by increasing the main brush, side brush, and vacuum fan speeds up to 20%. | II-Speed™ Sweeping |
| | Decreases operator training time and simplifies machine operation | Touch-N-Go™ operation with simple 1-STEP™ sweeping begins all operations, remembering previous settings |
| | Improves handling and patrol sweeping capability | Dynamic steering responsiveness, rear suspension system, and 4-wheel stability for spot cleaning with the S30 X4 model |





S30 RIDER SWEEPER

SPECIFICATIONS

Sweeping System

| | | |
|-----------------------------|--------------------|-------------------------|
| Cleaning path | | |
| Single side brush | 62.5 in | 1,590 mm |
| Dual side brush | 80 in | 2,030 mm |
| Main brush | | |
| Main brush length (tubular) | 45 in | 1,145 mm |
| Main brush lift | | Mechanical or Hydraulic |
| Main brush change | | No-tool |
| Side broom | | |
| Side broom diameter | 26 in | 660 mm |
| Debris hopper | | |
| Volume capacity | 14 ft ³ | 395 L |
| Weight capacity (plastic) | 1,080 lb | 490 kg |
| Weight capacity (steel) | 1,200 lb | 545 kg |
| Dump height (variable to) | 60 in | 1,525 mm |
| Dump reach | 30 in | 760 mm |

Dust Control System

| | | |
|------------------------------|------------------------------|---------------------------|
| Filter system (triple stage) | | |
| Stage 1 | | Perma-Filter™ |
| Stage 2 | | Cyclonic pre-filter |
| Stage 3 | | Nanofiber canister filter |
| Filter area | 80.8 ft ² | 7.5 m ² |
| Dust filtration (up to) | 0.5 microns @ 99% efficiency | |
| Vacuum fan speed | | |
| Normal sweeping mode | 4600 rpm | 4600 rpm |
| Litter sweeping mode | 5500 rpm | 5500 rpm |
| Vacuum diameter | 11 in | 280 mm |

Propelling System

| | | |
|------------------------------------|----------------|--------------|
| Propel speed forward (variable to) | 8/13 mph | 13/21 km/h |
| Propel speed reverse (variable to) | 3 mph | 5 km/h |
| Engine-gasoline/LPG | 55 hp GM | 41 kW GM |
| Engine-diesel | 37.5 hp Kubota | 28 kW Kubota |
| Gradeability | | |
| Full hopper | 10 deg/18% | 10 deg/18% |
| Empty hopper | 14 deg/25% | 14 deg/25% |
| Ground clearance | 4 in | 100 mm |

Machine Dimensions

| | | |
|------------------------|----------|----------|
| Length | 93 in | 2,360 mm |
| Width | 62.5 in | 1,590 mm |
| Height | | |
| With overhead guard | 82.5 in | 2,095 mm |
| Without overhead guard | 58 in | 1,475 mm |
| Weight (net) | 3,520 lb | 1,595 kg |
| Minimum aisle turn | 113 in | 2,870 mm |
| Sound level | 80 dBA | 80 dBA |

GENUINE TENNANT PARTS, SUPPLIES & SERVICE

Genuine Tennant Parts Advantage

Operate your machine with confidence by choosing genuine Tennant parts. Only authentic Tennant parts are engineered in conjunction with Tennant equipment. For years of worry-free operation, accept only genuine parts and supplies.

Industry's Only Factory-Direct Service Network

Providing world-class response, completion times and on-site machine service, our factory-trained network of 450 service techs are dedicated to keeping your cleaning program up and running.

Choose financing options through Tennant for simple, quick financing with flexible upgrade options, and no long-term obligation. Financing is offered through Tennant Financial® Services and Tennant Capital® Services.

WARRANTY

All parts (excluding batteries) have a 48 month warranty under normal use and service, and 6 months on-site service labor coverage of warranty items and travel.

SEEING IS BELIEVING

See for yourself how the S30 sweeper delivers clean, safe floors. For a demonstration or additional information, call **800.553.8033**.

Tennant

701 North Lilac Drive
Minneapolis, MN 55422

800.553.8033 | 763.540.1200
In Quebec: 800.361.9050

www.tennantco.com
info@tennantco.com