S30

MID-SIZED RIDER SWEEPER

- Provide excellent indoor and outdoor dust control with the SweepMax® Plus system
- Achieve consistent cleaning results in the toughest applications
- Ensure a healthy and safe environment with improved air quality
- Deliver easy operation and maintenance while running at peak performance
OPTIMIZED SWEEPMAX® PLUS DUST CONTROL SYSTEM OFFERS HIGHER CUSTOMER PRODUCTIVITY WITH LESS DUST GOING TO THE FILTER RESULTING IN FEWER SHAKE BACKS AND MORE TIME SPENT SWEEPING.

PATENTED 3-STAGE SWEEPMAX® PLUS DUST CONTROL SYSTEM
S30 is the only sweeper with cyclonics pre-filter stage of dust control.

Stage 1 – Perma-Filter™
- Tennant engineered design helps keep bulky debris, moisture and dirt in the hopper removing 90% of particulates from the air stream.

Stage 2 – SweepMax® Plus Cyclonics
- Longer filter life with exclusive cyclonics dust control that removes an additional 90% of dust particles from the air stream before reaching the filter.
- Cleaner air to filter means more time between filter shakebacks, and more time spent sweeping.

Stage 3 – Canister Nanofiber Filter
- MERV 15-rated, flame retardant Donaldson Ultra-Web® filter loads and shakeback 70% more effectively, and cleaner air from filtering sub-micron dust particulates down to .5 microns at 99% efficiency.
- Excellent vacuum fan protection with 80 ft² (7.5 m²) surface area.

REDUCE YOUR COSTS AND MAXIMIZE PRODUCTIVITY
- In-hopper filter housing has shorter path for air to travel and shakes-back dust directly into the hopper, so dust is evacuated when the hopper is dumped.
- Quieter shakeback operation with in-hopper patented ShakeMax® 360 orbital shaker system.
- No-tool access with latches that remove the cyclones in seconds.
- Increase efficiency with monitoring from automatic notification and shaking (XP, X4).
EXCELLENT INDOOR AND OUTDOOR DUST CONTROL
WITH THE SWEEPMAX® PLUS CYCLONIC SYSTEM HELPS
REDUCE COST TO CLEAN, IMPROVE FACILITY IMAGE
AND PROVIDE A SAFE ENVIRONMENT

THE S30 MID-SIZE RIDER SWEEPER DELIVERS
EXCEPTIONAL DRY DUST CONTROL BENEFITS

REDUCE COST TO CLEAN
Increase productivity with the patented SweepMax® Plus cyclonic dry dust control system that reduces dust from reaching the filter, resulting in fewer shake backs and more time spent sweeping.

HEALTH & SAFETY
Reduce slip and fall potential by keeping floors clean of dust and debris with excellent dust control and debris pick-up.

ENHANCE FACILITY IMAGE
Protect your facility, assets and merchandise from getting dirty or damaged by capturing dust and debris with effective patented SweepMax® Plus dust control system.

EASY OPERATION & MAINTENANCE
Deliver consistent sweeping results with this easy-to-operate and maintain sweeper which runs at peak performance year after year with its quality engineering.
Reduce downtime and operator fatigue with easy no-tool brush removal and change, aided by the self-guiding 8-spline drive and idler hub.

Effective one-pass sweeping with a retractable, spring-loaded re-circulation flap near the rear skirt, recirculating any debris that may escape over the main brush.

Increased sweeping results with a main brush that is only 2 in (51 mm) wider than the hopper opening, as compared to some competitors with brushes wider than their hopper openings.
KEY S30 SWEeper FEATURES TO HELP MAXIMIZE
PRODUCTIVITY, REDUCE COSTS, INCREASE SAFETY

- **Patented SweepMax® Plus cyclonic dry dust** separation technology removes an additional 90% of dirt and dust particles before reaching the filter.

- **Donaldson Ultra-Web® MERV 15 nanofiber filter** loads and shakes back more effectively.

- **8 spline brush drive** with deep 6.5 in (165 mm) brush engagement delivers consistent brush pressure plus end-to-end brush rotation for one pass sweeping.

- **EasyOpen™ service access** with onboard diagnostics.

- **Large capacity hydraulic oil tank** and triple accessory pumps.

- **Dumps at any height** from ground level to 60 in / 1525 mm and reaches up to 30 in / 760 mm into a standard dumpster.

- **II-Speed™ sweeping** increases main brush, side brush, and vacuum fan speeds up to 15%.

- **Easy-to-set color-coded brush wear indicator** for quick brush pressure settings.

- **Patented ShakeMax® 360 orbital shaker in-hopper** delivers 70% more effective shakeback and quieter operation.

- **No-tool access** to the cyclonic system provides easy clean-outs and minimizes maintenance time.

- **Optional FOPS Certified Cab** provides protection from falling objects.

- **Optional ANSI tested Overhead Guard** protects the operator from objects falling directly above.

- **Standard Configurations:**
  - **Base 3-wheel**, plastic hopper, mechanical controls, and standard seat
  - **S30 XP 3-wheel**, plastic hopper, electronic controls, deluxe seat
  - **S30 X4 (Diesel Only) 4-wheel**, plastic hopper, electronic controls, deluxe seat

Achieve outstanding results in diverse 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 km/h on a stable 4 wheel platform with comfortable suspension.

Operate safely and comfortably in even the most severe environments, with an optional FOPS certified (ISO 3449) pressurized cabin, available with heat and air conditioning.
S30 MID-SIZE RIDER SWEEPER

**Sweeping System**

<table>
<thead>
<tr>
<th>Cleaning path</th>
<th>62.5 in / 1,588 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single side brush</td>
<td>80 in / 2,032 mm</td>
</tr>
<tr>
<td>Dual side brush</td>
<td></td>
</tr>
<tr>
<td>Main brush length (tubular)</td>
<td>45 in / 1,145 mm</td>
</tr>
<tr>
<td>Main brush lift</td>
<td>Mechanical or Hydraulic</td>
</tr>
<tr>
<td>Main brush change</td>
<td>No-tool</td>
</tr>
<tr>
<td>Side broom diameter</td>
<td>26 in / 660 mm</td>
</tr>
<tr>
<td>Debris hopper</td>
<td></td>
</tr>
<tr>
<td>Volume capacity</td>
<td>14 ft³ / 395 L</td>
</tr>
<tr>
<td>Weight capacity (plastic)</td>
<td>1,080 lb / 490 kg</td>
</tr>
<tr>
<td>Weight capacity (steel)</td>
<td>1,200 lb / 545 kg</td>
</tr>
<tr>
<td>Dump height (variable to)</td>
<td>60 in / 1,525 mm</td>
</tr>
<tr>
<td>Dump reach</td>
<td>30 in / 760 mm</td>
</tr>
</tbody>
</table>

**Dust Control System**

<table>
<thead>
<tr>
<th>Filter system (triple stage)</th>
<th>80 ft² / 7.4 m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage 1</td>
<td>Perma-filter™</td>
</tr>
<tr>
<td>Stage 2</td>
<td>SweeperMax® Plus Cyclonic pre-filter</td>
</tr>
<tr>
<td>Stage 3</td>
<td>Donaldson Ultra-Web® Nanofiber canister filter</td>
</tr>
<tr>
<td>Filter area</td>
<td>0.5 microns @ 99% efficiency</td>
</tr>
<tr>
<td>Shaker mechanism</td>
<td>ShakeMax® 360 Orbital Shaker</td>
</tr>
<tr>
<td>Vacuum fan speed</td>
<td>4,600 rpm</td>
</tr>
<tr>
<td>Normal sweeping mode</td>
<td>5,500 rpm</td>
</tr>
<tr>
<td>Litter sweeping mode</td>
<td>11 in / 280 mm</td>
</tr>
</tbody>
</table>

**Propelling System**

<table>
<thead>
<tr>
<th>Propulsion forward (variable to)</th>
<th>8 mph / 13 km/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-wheel (Gas/LP)</td>
<td>15 mph / 24 km/h</td>
</tr>
<tr>
<td>X4 (Diesel)</td>
<td>3.0 mph / 5.0 km/h</td>
</tr>
<tr>
<td>Engine-gasoline/LPG</td>
<td></td>
</tr>
<tr>
<td>Gross Intermittent Power*</td>
<td>60.0 hp / 44.7 KW @3000 rpm</td>
</tr>
<tr>
<td>Tennant Governed Power</td>
<td>50.0 hp / 37.3 KW @2300 rpm</td>
</tr>
<tr>
<td>Engine-diesel</td>
<td></td>
</tr>
<tr>
<td>Gross Intermittent Power*</td>
<td>24.8 hp / 18.5 KW @2300 rpm</td>
</tr>
<tr>
<td>Tennant Governed Power</td>
<td>24.8 hp / 18.5 KW @2300 rpm</td>
</tr>
<tr>
<td>Gradeability - full hopper</td>
<td>10° / 18%</td>
</tr>
<tr>
<td>3-wheel (Gas/LP)</td>
<td>6° / 10.5%</td>
</tr>
<tr>
<td>X4 (Diesel)</td>
<td></td>
</tr>
<tr>
<td>Gradeability - empty hopper</td>
<td>14° / 25%</td>
</tr>
<tr>
<td>3-wheel (Gas/LP)</td>
<td>9° / 16%</td>
</tr>
<tr>
<td>X4 (Diesel)</td>
<td></td>
</tr>
<tr>
<td>Ground clearance</td>
<td>4 in / 100 mm</td>
</tr>
</tbody>
</table>

**Machine Specifications**

| 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-wheel)           | 3,570 lb / 1,620 kg |
| Minimum aisle turn              | 113 in / 2,870 mm |

**Warranty**

See your local representative for warranty information.

**Lease. Pre-Owned. Rent.** Tennant has flexible options that get you the machines you need, however you need them.

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**Reduce rework, labor and safety costs by using only TennantTrue parts and service.**

**Ensure optimal cleaning performance by selecting a TennantTrue Service program provided by a network of over 400 factory-trained Tennant service representatives.**

**Improve uptime by leveraging TennantTrue parts and service.**

**Simplify budgeting by bundling TennantTrue service plans, including parts, into the purchase or financing of your machine.**

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**TENNANTTRUE® PARTS, SERVICE AND FINANCE SOLUTIONS**

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**SEEING IS BELIEVING**

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