



## S30 Specifications | Industrial Rider Sweeper

### SWEEPING SYSTEM

|                                            |                         |
|--------------------------------------------|-------------------------|
| Type                                       | II-Speed™, Direct-throw |
| Cleaning path, single side brush           | 1,588 mm                |
| Cleaning path, dual side brush             | 2,032 mm                |
| Coverage rate per hour - single side brush |                         |
| Average (4 mph, 4 in overlap)              | 9,580 m²                |
| Maximum (8 mph, no overlap)                | 20,320 m²               |
| Coverage rate per hour - dual side brush   |                         |
| Average (4 mph, 4 in overlap)              | 12,440 m²               |
| Maximum (8 mph, no overlap)                | 26,010 m²               |
| Main brush length (tubular)                | 1,145 mm                |
| Main brush lift                            | Mechanical or Hydraulic |
| Main brush change                          | No-tool                 |
| Side broom diameter (disk)                 | 660 mm                  |
| Hopper volume capacity                     | 395 L                   |
| Hopper weight capacity (plastic)           | 490 kg                  |
| Hopper weight capacity (steel)             | 545 kg                  |
| Hopper dump height (variable)              | 1,525 mm                |
| Hopper dump reach                          | 760 mm                  |

### PROPELLING SYSTEM

|                                    |                           |
|------------------------------------|---------------------------|
| Propel speed forward (variable to) | 12.9 km/h                 |
| Propel Type                        | Hydrostatic               |
| Gradeability - full hopper         | 10 deg/18.0%              |
| Gradeability - empty hopper        | 14 deg/25%                |
| Ground clearance                   | 100 mm                    |
| Tires front (2), solid             | 127x535 mm                |
| Tire rear (1), pneumatic           | 115x470 mm                |
| Engine-gasoline                    |                           |
| Gross Intermittent Power*          | 37.8 kW @2800 rpm         |
| Tennant Governed Power             | 30.3 kW @2300 rpm         |
| Engine-LPG                         |                           |
| Gross Intermittent Power*          | 38.5 kW @2800 rpm         |
| Tennant Governed Power             | 31.6 kW @2300 rpm         |
| Engine-diesel                      |                           |
| Gross Intermittent Power*          | 18.5 kW @2300 rpm         |
| Tennant Governed Power             | 18.5 kW @2300 rpm         |
| Hydraulic pumps                    | 1 propelling, 3 accessory |

### DUST CONTROL SYSTEM

|                                   |                                                |
|-----------------------------------|------------------------------------------------|
| Filter system (triple stage)      |                                                |
| Stage 1                           | Perma-Filter™                                  |
| Stage 2                           | SweepMax® Plus Cyclonic Pre-Filter             |
| Stage 3                           | Donaldson Ultra-Web® Nanofiber Canister Filter |
| Filter area                       | 7.4 m²                                         |
| Dust filtration (seasoned filter) | 0.5 microns @ 99% efficiency                   |
| Shaker mechanism                  | ShakeMax® 360 Orbital Shaker                   |
| Vacuum fan diameter               | 280 mm                                         |
| Vacuum fan speed                  |                                                |
| Normal sweeping mode              | 4,600 rpm                                      |
| Litter sweeping mode              | 5,500 rpm                                      |

### MACHINE DIMENSIONS

|                               |          |
|-------------------------------|----------|
| Length                        | 2,360 mm |
| Width                         | 1,590 mm |
| Height without overhead guard | 1,475 mm |
| Height with overhead guard    | 2,095 mm |
| Weight, Net                   | 1,620 kg |
| Turning radius                | 1,650 mm |
| Minimum Aisle Turn (left)     | 2,870 mm |

### SAFETY SYSTEM

|                            |                        |
|----------------------------|------------------------|
| Fire protection            | Thermo-Sentry™         |
| Safety certification       | UL label type G, LP, D |
| Forward speed when dumping | 1.0 mph   1.6 km/h     |
| Headlights/taillights      | Standard               |

### OPERATOR ERGONOMICS

|                                  |                       |
|----------------------------------|-----------------------|
| Power steering                   | Adjustable foot pedal |
| System monitoring/warning lights | Tilt steering w/ horn |
| High-back seat                   | Touch panel controls  |

### PRODUCT FEATURES

|                           |                                      |
|---------------------------|--------------------------------------|
| SweepMax® Plus            | Duramer™ multi-level hopper dump     |
| Perma-Filter™             | Hopper access door                   |
| II-Speed™ sweeping        | Industrial hydraulics and oil cooler |
| Touch-n-Go™ Controls      | Operation color-coded wiring         |
| Wrap-around bumper        | Color-coded brush pressure guide     |
| T-beam frame construction | No-tool brush change                 |
| Triple accessory pumps    | No-tool filter change                |
| Soft ride tires           |                                      |

### OPTIONAL EQUIPMENT

|                                          |                     |
|------------------------------------------|---------------------|
| Audio-visual backup alarm                | Blower attachment   |
| Light packages                           | Vacuum wand         |
| Rear tower bumpers                       | Enclosed cab (FOPS) |
| Overhead guard (ANSI)                    | Fire extinguisher   |
| Dual side brushes                        | Steel hopper        |
| WaterShield™ side brush wet dust control | HEPA dust filter**  |

### WARRANTY

Please see to your local Tennant representative for information.

Specifications based on standard machine configurations, no options.  
Specifications subject to change without notice.

For a complete selection of genuine Tennant brushes and pads, please consult the S30 Parts and Consumables Reference Guide.

\*Per SAE J1995.

\*\*HEPA dust filter – Stage 4 of filtration. Filters to 0.3 microns @ 99.97% efficiency