



## 800 Specifications | Large Industrial Rider Sweeper

### SWEEPING SYSTEM

|                        |                         |
|------------------------|-------------------------|
| Type                   | II-Speed™, Direct-throw |
| Cleaning path          | 1,675 mm                |
| Main brush length      | 1,270 mm                |
| Main brush lift        | Hydraulic               |
| Main brush change      | No-tool                 |
| Side brush diameter    | 660 mm                  |
| Hopper volume capacity | 0.8 m³                  |
| Hopper weight capacity | 905 kg                  |
| Hopper dump height     | Ground to 1,830 mm      |
| Hopper dump reach      | up to 510 mm            |

### PROPELLING SYSTEM

|                                             |                           |
|---------------------------------------------|---------------------------|
| Propel speed forward (variable to)          | 16 km/h                   |
| Propel speed reverse (variable to)          | 7.3 km/h                  |
| Propel Type                                 | Hydrostatic               |
| Gradeability full hopper                    | 8.5 deg/15%               |
| Gradeability empty hopper                   | 15.0 deg/27%              |
| Ground clearance                            | 150 mm                    |
| Tires front (2), pneumatic                  | 165x255 mm                |
| Tire rear (1), pneumatic                    | 165x255 mm                |
| Engine-gasoline                             |                           |
| Gross Interimittent Power*                  | 49.8 kW @2800 rpm         |
| Tennant Governed Power                      | 42.6 kW @2400 rpm         |
| Engine-LPG                                  |                           |
| Gross Interimittent Power*                  | 47.1 kW @ 2800 rpm        |
| Tennant Governed Power                      | 42.0 kW @ 2400 rpm        |
| Engine-diesel, 4F (see fuel requirements)** |                           |
| Gross Interimittent Power*                  | 43.2 kW @2400 rpm         |
| Tennant Governed Power                      | 43.2 kW @2400 rpm         |
| Engine-diesel, 4i***                        |                           |
| Gross Interimittent Power*                  | 41.7 kW @2600 rpm         |
| Tennant Governed Power                      | 41.0 kW @2400 rpm         |
| Hydraulic pumps                             | 1 propelling, 3 accessory |
| Hydraulic oil cooler, tilt-out              | Fin type                  |

### OPERATOR ERGONOMICS

|                                            |                      |
|--------------------------------------------|----------------------|
| Servo-assist, adjustable accelerator pedal | Power steering       |
| System monitoring/warning lights           | Tilt steering wheel  |
| Luxury energy-absorbing seat               | Touch panel controls |

### DUST CONTROL SYSTEM

|                                   |                            |
|-----------------------------------|----------------------------|
| Quad filter system                |                            |
| Stage 1                           | Debris deflector           |
| Stage 2                           | Perma-Filter™              |
| Stage 3                           | Wrap-around pre-screen     |
| Stage 4                           | Dual canister              |
| Filter area                       | 17 m²                      |
| Dust filtration (seasoned filter) | 4 microns @ 99% efficiency |
| Systems monitoring                | Clogged filter indicator   |
| Shaker mechanism                  | Timed, circular hammer     |
| Vacuum fan diameter               | 240 mm                     |
| Vacuum fan speed                  | 8,500 rpm                  |

### MACHINE DIMENSIONS

|                               |          |
|-------------------------------|----------|
| Length                        | 3,048 mm |
| Width                         | 1,778 mm |
| Height without overhead guard | 1,335 mm |
| Height with overhead guard    | 2,095 mm |
| Weight                        |          |
| Net                           | 2,950 kg |
| Turning radius (left)         | 2,160 mm |
| Minimum Aisle Turn (left)     | 3,430 mm |

### SAFETY SYSTEM

|                            |                        |
|----------------------------|------------------------|
| Fire protection            | Thermo-Sentry™         |
| Safety certification       | UL label type G, LP, D |
| Forward speed when dumping | 2.5 km/h               |
| Headlights/taillights      | Standard               |

### PRODUCT FEATURES

|                                     |                            |
|-------------------------------------|----------------------------|
| Multi-level dump                    | Quad filter system         |
| II-Speed™ cleaning                  | Industrial radiator        |
| Large hopper dump door              | Color-coded wiring         |
| Wrap-around bumper                  | Vacuum fan shutoff         |
| T-beam frame construction           | No-tool brush change       |
| Damage-resistant recirculation flap | Radiator debris screen     |
| Thermo-Sentry™                      | Hydraulic bypass tow valve |
| Retractable side brush              | UL label                   |

### OPTIONAL EQUIPMENT

|                               |                       |
|-------------------------------|-----------------------|
| Severe environment package    | Heater/pressurizer    |
| Audio-visual backup alarm     | Blower attachment     |
| Roadway lighting packages     | Vacuum wand           |
| Side brush dust control       | Enclosed cab          |
| Overhead guard                | Air conditioning      |
| Left-hand side brush          | Heavy-duty bumpers    |
| Stainless steel hopper bottom | Soft-ride solid tires |
| HEPA dust filter****          |                       |

### WARRANTY

Please see to your local Tennant representative for information.

Specifications subject to change without notice.

For a complete selection of genuine Tennant brushes and pads, please consult the 800 Parts and Consumables Reference Guide

\* Per SAE J1995

\*\* Kubota Tier 4F diesel engines are required on 800 Sweepers sold in the U.S., Canada, Japan, EU, EEA, and countries that require CE certified machines.

**Tier 4F requires only ultra-low sulfur diesel (ULSD <15 ppm) fuel to be used.** Refer to operator's manual for more information.

\*\*\* Kubota Tier 4i diesel engines are required on 800 Sweepers sold in all other countries except for those noted in Tier 4F listing.

\*\*\*\* HEPA dust filter – Stage 5 of filtration. Filters to 0.3 microns @ 99.97% efficiency.