



800 Specifications | Large Industrial Rider Sweeper

SWEEPING SYSTEM

| | |
|------------------------|------------------------------|
| Type | II-Speed™, Direct-throw |
| Cleaning path | 66-inch 1,675 mm |
| Main brush length | 50-inch 1,270 mm |
| Main brush lift | Hydraulic |
| Main brush change | No-tool |
| Side brush diameter | 26-inch 660 mm |
| Hopper volume capacity | 30 ft³ 0.8 m³ |
| Hopper weight capacity | 2,000 lb 905 kg |
| Hopper dump height | Ground to 72-inch 1,830 mm |
| Hopper dump reach | up to 20-inch up to 510 mm |

PROPELLING SYSTEM

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|---|-----------------------------|
| Propel speed forward (variable to) | 10.0 mph 16 km/h |
| Propel speed reverse (variable to) | 4.5 mph 7.2 km/h |
| Propel Type | Hydrostatic |
| Gradeability full hopper | 8.5 deg/15% |
| Gradeability empty hopper | 15.0 deg/27% |
| Ground clearance | 6-inch 150 mm |
| Tires front (2), pneumatic | 6.5x10-inch 165x255 mm |
| Tire rear (1), pneumatic | 6.5 x10-inch 165x255 mm |
| Engine-gasoline | |
| Gross Intermittent Power* | 61.9 kW (83.0 Hp) @3000 rpm |
| Tennant Governed Power | 50.6 kW (67.9 Hp) @2400 rpm |
| Engine-LPG | |
| Gross Intermittent Power* | 61.9 kW (83.0 Hp) @3000 rpm |
| Tennant Governed Power | 49.1 kW (65.8 Hp) @2400 rpm |
| Engine-diesel, 4F (see fuel requirements)** | |
| Gross Intermittent Power* | 43.2 kW (57.9 Hp) @2400 rpm |
| Tennant Governed Power | 43.2 kW (57.9 Hp) @2400 rpm |
| Engine-diesel, 4i*** | |
| Gross Intermittent Power* | 41.7 kW (55.9 Hp) @2600 rpm |
| Tennant Governed Power | 41.0 kW (55.0 Hp) @2400 rpm |
| Hydraulic pumps | 1 propelling, 3 accessory |
| Hydraulic oil cooler, tilt-out | Fin type |

OPERATOR ERGONOMICS

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

DUST CONTROL SYSTEM

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|-----------------------------------|----------------------------|
| Quad filter system | |
| Stage 1 | Debris deflector |
| Stage 2 | Perma-Filter™ |
| Stage 3 | Wrap-around pre-screen |
| Stage 4 | Dual canister |
| Filter area | 190 ft² 17 m² |
| Dust filtration (seasoned filter) | 4 microns @ 99% efficiency |
| Systems monitoring | Clogged filter indicator |
| Shaker mechanism | Timed, circular hammer |
| Vacuum fan diameter | 9.5-inch 240 mm |
| Vacuum fan speed | 8,500 rpm |

MACHINE DIMENSIONS

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|-------------------------------|----------------------|
| Length | 120 inch 3,048 mm |
| Width | 70 inch 1,778 mm |
| Height without overhead guard | 52.5 inch 1,335 mm |
| Height with overhead guard | 82.5 inch 2,095 mm |
| Weight | |
| Net | 6,500 lb 2,950 kg |
| Turning radius (left) | 85 inch 2,160 mm |
| Minimum Aisle Turn (left) | 135 inch 3,430 mm |

SAFETY SYSTEM

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|----------------------------|------------------------|
| Fire protection | Thermo-Sentry™ |
| Safety certification | UL label type G, LP, D |
| Forward speed when dumping | 1.5 mph 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.