



REINVENT HOW THE WORLD CLEANS



800

Large, industrial ride-on sweeper

The 800 is the largest and most powerful machine in its class – designed to sweep heavy concentrations of industrial debris, pellets, rocks and glass found in the harshest industrial and manufacturing environments, both indoors and out.

Included technologies



Thermo-Sentry[™]
temperature sensor



Perma-filter[™] and optional
HEPA filtration system

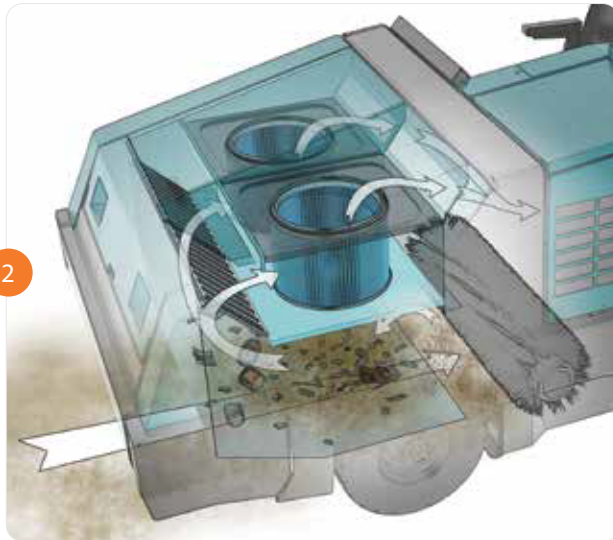


II-Speed[™] sweeping system



Multi-level dump hopper

Engineered for Productivity

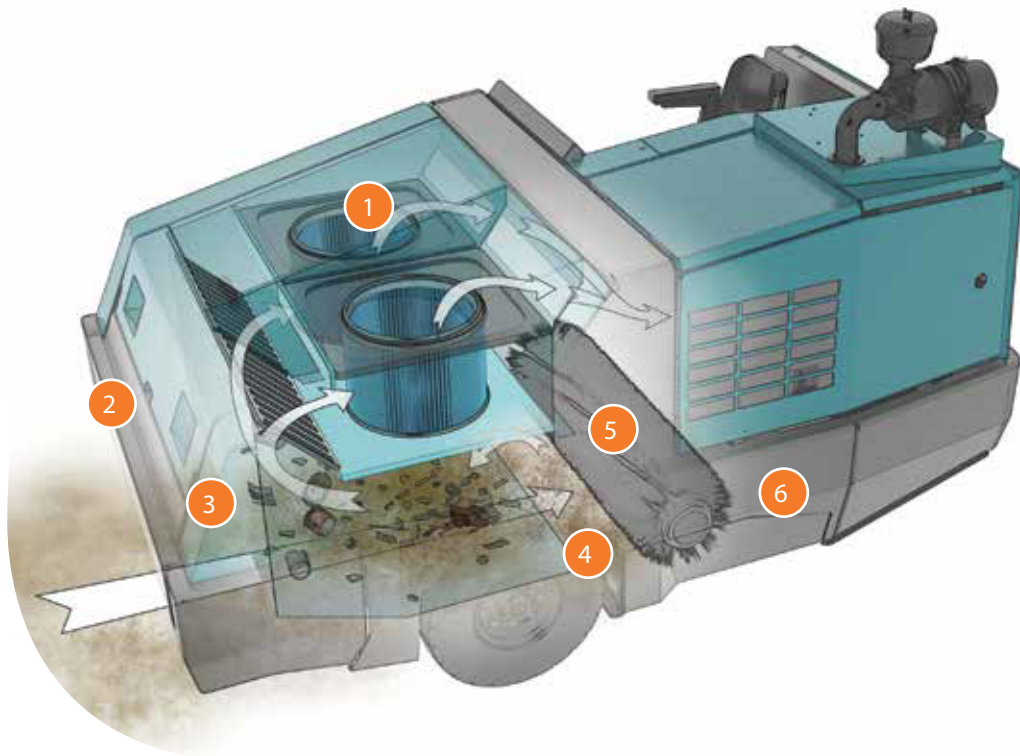


1. Rely on consistent performance, despite harsh and demanding environments, with the 800 sweeper's rugged steel T-beam superstructure, bend-resistant steel back wheel bracket.
2. The quad filtering system includes four high-efficiency filters that trap particles capturing virtually all airborne dust. Optional HEPA Filtration collects dust of 0.3 Microns at 99.97% efficiency.

Available regenerative filter system provides continuous dust control while sweeping without having to stop and shake the filters, leading to increased productivity.

3. Clean in comfort with a deluxe suspension operator seat and power steering with tilt wheel.
4. Extended cleaning reach with the optional vacuum wand, increasing applications the machine can clean.
5. Optional pressurized cab with heating and air conditioning for increased operator comfort and safety. Also available with true HEPA filtration system, digital gauge with alarm (optional), and dust suppression skirts to maximize operator protection in the harshest of environments.

Inside the 800



1. Reduce visible, air-born dust with the quad filtering system which includes debris deflector, Perma-filter™, lint trap and twin cylinder filters.
2. Thermo-Sentry™ temperature sensor monitors the hopper and in dangerously high temperatures initiates vacuum shut-downs.
3. Multi-level dump hopper empties debris into containers as high as 1.8 m.

4. Simplify maintenance with easy-access brush and filter changes.
5. **Maximize cleaning effectiveness** with the II-Speed™ sweeping system that matches broom and vacuum speeds to types of debris.
6. Spring-loaded recirculation flap permits debris that goes over the main broom to be redirected under the machine for pick-up.

800 specifications

SWEEPING SYSTEM

Cleaning Path: Single side brush Dual side brush	1.680 mm 2.100 mm
Main brush: length (tubular) lift change	1.270 mm Hydraulic No-tool
Side broom diameter	660 mm
Debris hopper: Volume capacity Weight capacity	850 l 907 kg
Debris hopper: Dump height Dump reach	1.830 mm 510 mm

DUST CONTROL SYSTEM

Filter system (quad stage, to 4 microns)	
Stage 1	Debris deflector
Stage 2	Perma-Filter™
Stage 3	Wrap-around pre-screen
Stage 4	18 m dual canister
Vacuum fan speed diameter	8.500 rpm 240 mm
HEPA Filtration (Optional)	0.3 Microns @ 99.97% efficiency

PROPELLING SYSTEM

Propel speed forward (variable to)	16,0 km/h
Propel speed reverse (variable to)	7,3 km/h
Engine-gasoline: Gross Intermittent Power* Tennant Governed Power	49,8 kw @2800 rpm 42,6 kW @2400 rpm
Engine-LPG: Gross Intermittent Power* Tennant Governed Power	47,1 kw @2800 rpm 42,0 kw @2400 rpm
Engine-diesel, Stage V/Tier 4F (see fuel requirements)** :	
Gross Intermittent Power* Tennant Governed Power	43,2 kW @2400 rpm 43,2 kW @2400 rpm
Engine-diesel, 4i***: Gross Intermittent Power* Tennant Governed Power	41,7 kW @2800 rpm 41,0 kW @2400 rpm
Gradeability: Full hopper Empty hopper	8.5° / 15% 15° / 27%

Heavy Equipment & Track Show Brochures

MACHINE SPECIFICATIONS

Length	3.050 mm
Width	1.780 mm
Height: with overhead guard without overhead guard	2.100 mm 1.330 mm
Weight	2.948 kg
Minimum aisle turn	1.780 mm

WARRANTY

See your local representative for warranty information

*Per SAE J1995

**Kubota Stage V/Tier 4F diesel engines are used on 800 Sweepers sold in the U.S., Canada, Japan, EU, EEA, and countries that require CE certified machines. Stage V/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 used on 800 Sweepers sold in all other countries except for those noted in Stage V/Tier 4F listing. Specifications subject to change without notice.

Tennant – Reinvent how the world cleans

With a vision to become a global leader in sustainable cleaning innovation that empowers our customers to create a cleaner, safer and healthier world, Tennant creates solutions that are changing the way the world cleans.



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Tennant has the industry's largest direct sales and service organization and a well-supported network of authorized distributors worldwide.



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