



Madvac[®] PS300 – Compact Pedestrian Sweeper



LEFT

Easy access with 48 in. (1200 mm) sweeping width and 34 in. (864mm) wide body.

RIGHT

Optional wander hose for hard-to-reach places. Easy access to tree wells, telephone booths, bus shelters and between parked cars.

Madvac® PS300 - Powerful, Reliable Workhorse

The Clean Sweep

- People-friendly sweeper.
- Versatile, easy and effortless operation.
- Highly visible and popular.
- Reliable, quiet, powerful workhorse.

The Cleanest Sweep

- Filter dust to an unbeatable 8 microns.
- Keeps operator and passerby dust-free.
- Sweeps, vacuums and sanitizes surfaces.
- Uses powerful, reliable low-emission diesel.

For sweeping, disinfecting and sanitizing sidewalks, walkways, plazas, public markets, alleyways and other areas with high pedestrian traffic, there's nothing quite like the PS300! Madvac machines are used worldwide because: **They work. They last. They pay for themselves. Fast!**

The Reliable Sweep

Patented 8-Micron Dust Filtration

- State-of-the-art dust filtration system.
- Over 265 sq. ft. (25m²) of dust filtering material.
- Keeps operator and pedestrians dust free.
- Fights non-point source water pollution.
- No need to dampen trash.

Speed For Greater Productivity

- Travels up to 6.5 mph (8.8 km/h).
- Runs 10 to 12 hours on a single tank of diesel.
- Work uninterrupted shift for higher productivity.
- Optional hydraulic high side hopper dump system.
- Optional one touch up/down brushes and vacuum head.

Sweeps And Compacts

- Patented straight-through suction compacts litter.
- Fully-sealed, high-capacity waste container.
- Sweeps up sand, fast-food waste, metal straps and other awkward litter that other machines leave behind.

Easy Access For Quick Maintenance

- Easiest engine access in the industry.
- Quick access for routine maintenance.
- Faster and easier to clean, saving time and money.

Wander Hose For Hard-to-Reach Places

- Free access to tree wells, telephone booths, bus shelters, between parked cars, etc.
- Optional 8 ft. (2438 mm), wander hose diverter. Cable or hydraulic-operated.
- The lever or hydraulic-operated vacuum diverter redirects all air suction to wander hose.
- Sweeps and compacts.
- Patented straight-through suction compacts litter.
- Fully-sealed, high-capacity aluminium waste container.





TOP LEFT

Option: quick release fold and stow seat with mirrors.

BOTTOM LEFT

User-friendly controls.

Vacuum System

Engine



Unlike similar machines, the PS300 features a rear-mounted engine, keeping the radiator, oil cooler and air intake away from dust-ingestion. This fosters longer engine life and better overall performance.



Optional hydraulic side dump "lifting".



Optional hydraulic side dump "tilting".

Disinfects As It Sweeps

- Combination water/disinfectant jet-spray.
- Dampens dust as it sweeps.
- Disinfects soiled surfaces.
- Spot-scrubs tough stains.
- Removes animal waste hygienically.

A Clean Sweep

- Free-floating, self-levelling brush/nozzle system.
- Cleans cobblestone, brick, cambered road and other uneven surfaces.
- Sweeps a path of 48 in. (1.20m) wide.

Powerful, Reliable Workhorse

- 14 hp Kubota liquid-cooled diesel engine.
- Quiet and economical.
- Rugged reliability and extremely low emission levels.

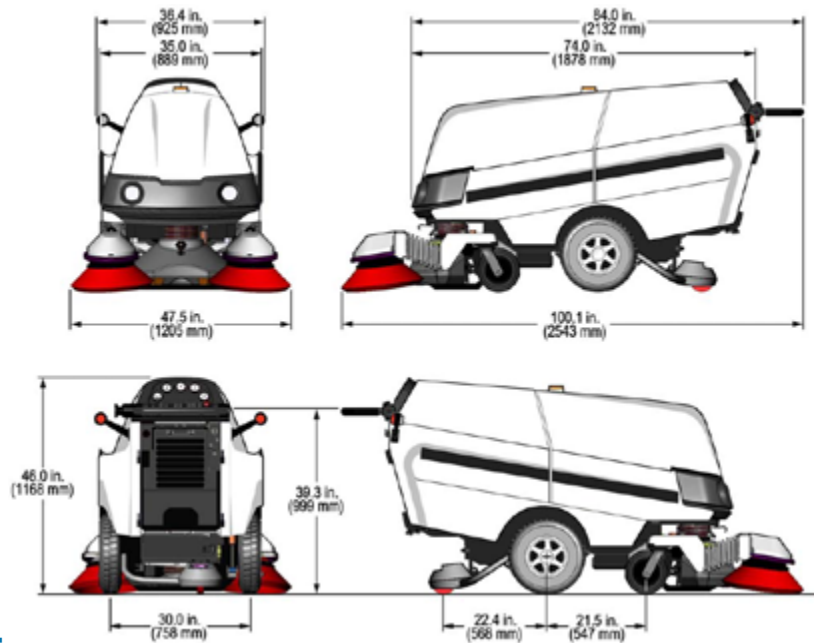
The Fan That Won't Jam™

- "No fan to jam".
- Litter can't get through or damage the impeller fan.
- Fan can't get clogged with grit.
- Lifetime warranty on the fan.

Madvac[®] PS300

Compact Pedestrian Sweeper

Technical Specifications



Data and Performance Information

Capacities	
Fuel Tank	2.5 Gal. (9.5 L) 12 hours autonomy
Hydraulic Tank	3.5 gal (13.2 L)
Litter Capacity	50-60 Gal (190 - 227 L) compaction
Water Capacity	13 Gal (50 L) balanced on center of gravity
Engine Data	
Model	Kubota diesel Z482-E3B
Displacement	29.3 cu in, (479 cc)
Gross Rated Power	13.3 hp (9.9 KW) @ 2800 rpm
Legislation Compliance	EPA Tier 4 / Euro 4
Air Filter	2 stage Donaldson type
Litter Collection System	
Type	System "Flow Trough" with approx. 2 to 1 compaction ratio, with reusable fibrous bag
Filters	Four 8 microns washable quick change filters with 265 square feet (25 m ²) of filtration
Frame / Body	Heavy gauge steel body 1.5 in X 1.5 in (38 mm X 38 mm) tubing fully welded and reinforced at all stress points
Container Construction	Container powered coated, basket in aluminum
Vacuum System	
Vacuum Rating	2900 CFM (82.12 CMM)
Static Pressure	30 in water gauge (7.472 KPA)

Traction	
Drive	Hydro-gear P-series pump
Traction	2 wheels center driven
Fifth Wheel Stabilizer	Hydraulic stabilizer keeps front brushes in contact with the surface
Grade	Gradability 38%
Controls	Ergonomic power bar right & left hand, forward & reverse speed controls
Maximum Forward Speed	6.5 Mp/H (10.5 Km/H)
Maximum Reverse Speed	3 Mp/H (5 Km/H)
Tire	4.00-8NHS 10 ply
Brakes	Hydrostatic braking, mechanical disc parking brakes
Curb Weight	1250 lbs (567 Kg)
Sweep Gear	
Brushes	Two brushes 18 in. DIA each (457 mm) polypropylene
Sweeping Width	47.5 in (1205 mm)
Brush Speed	30 to 790 RPM
Brush Arm / Nozzle	Free-floating, self-adjustable brush/nuzzle
Electrical	
Voltage	12 Volts, 40 AMP alternator and heavy duty battery
Instruments	Ammeter, hour, fuel, oil pressure, water temperature gauges
Lighting	Two front headlights, rear/side marker and strobe light

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