

Model VS10SC Multipurpose Vacuum Street Sweeper

In a Performance Class by Itself

VACALL™



No other machine gives you the versatility or the power of a VacAll!

The VacAll Model VS10SC is a heavy-duty vacuum street sweeper available with options to include catch basin cleaning and leaf collection — all with legendary VacAll performance. The VacAll is the only multipurpose vacuum sweeper that can work the entire street. Sand, gravel, wet or dry leaves, asphalt millings, even catch basins packed solid are no match for the vacuum power of VacAll. You'll get more options, more power, more performance and more value:

RJM Company

360-828-5732

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www.rjmcompany.com

- Huge power vacuum nozzle (up to 48" wide) with 450 sq in coverage
- Large capacity water tank (up to 420 gal) for longer sweeping runs
- The largest payload available with easy-dump design
- Rear-mounted vacuum hose with unmatched power — left-right mounting available
- High performance 16,500 CFM centrifugal blower

VACALL™ Multipurpose Street Sweeper

General Specifications

Engine

- Manufacturer: Cummins 6BT5.9
- Cylinders: 6 turbocharged
- Displacement: 359 cubic inches (5.9 L)
- Horsepower: 120 (89.5 KW) @ 2200 RPM
- Air cleaner: heavy-duty, two stage with restrictor indicator
- Protection system: automated engine shutdown for low oil, high temperature (with visual indicator)
- Cooling: coolant recovery system
- Controls: cab mounted console

Body

- Construction: fabricated, reinforced grade 50 steel, 3" (76.2mm) taper body
- Capacity: 10 cu yd volumetric (7.6CM), 9.5 useable (7.3CM)
- Lifting: hydraulic power up/down double acting 6" dia. (152mm) hydraulic cylinder
- Tailgate door: one-piece, full opening, reinforced construction 7 GA (4.5mm) steel
- Seal: adjustable neoprene
- Tailgate door operation: hydraulic with power boom
- Filter screens: minimum of 6 removable assemblies
- Dust air chamber: two (2) front located clean out ports, one each side
- Deflectors: internal material deflector with replaceable bolt in steel liner
- Drain: 6" dia. (152mm) liquid drain hose located on tailgate door
- Body safety props: two (2)

Blower

- Capacity 16,500 CFM, 235 MPH (320KPH)
- Diameter: 33" (838mm)
- Construction welded 3/8" thick steel (9.5mm)
- Blades: 12-3/8" thick steel (9.5mm)
- Speed: 2684 RPM
- Engagement cushioned multiple v-belt through a fluid drive coupler
- Housing: heavy-duty steel
- Blower silencer acoustically suppressed

Gutter Brooms – Standard

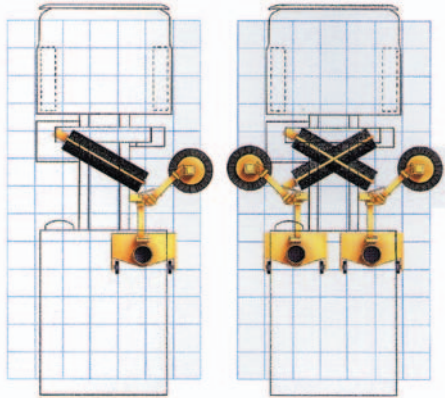
- Configuration: single or dual
- Diameter: 30" (762mm)
- Drive: hydraulic motor
- Speed: variable 0 - 135 RPM min.
- Mounting: free floating, automatic kickback, single or dual
- Construction: flat tempered – double steel wire 26" long (660mm)
- Lift: hydraulic control
- Operation: cab console for lifting/lowering/variable speed control
- Dust Control: four (4) adjustable flow nozzles

Under Body Transfer Broom

- Diameter: 16" (406mm) x 40" (1016mm) length
- Construction: one-piece disposable polypropylene
- Speed: variable 0 – 135 RPM
- Dust Control: four (4) adjustable flow nozzles
- Operation: fixed position or swivel with dual sweep

Vacuum Pickup Nozzles – Standard

- Construction: 1/4" (6.4mm) steel supported by a parallelogram linkage
- Size: 42" (1067mm) wide - 400 sq in (2580 sq cm) area of coverage (see Optional Equipment)
- Design: replaceable steel wear liner
- Body connection: 12" (305mm) ID flexible rubber suction hose
- Tilting: hydraulic cab activated height adjustment for conditions
- Adjustments: hydraulic cab activated height adjustment for conditions
- Dust Control: nine (9) internal flow water spray nozzles located in the head, plus six (6) injection orifices located in the scrubber manifold



Unit above with curb-side mounted vacuum nozzle, gutter broom and fixed transfer broom

Unit above with dual mounted vacuum nozzles, gutter brooms and swivel transfer broom

Sweeping Path – Standard

- Pickup nozzle only: 42" (1067mm)
- Pickup nozzle and gutter broom: 68" (1.7M)
- Pickup nozzle, gutter broom, transfer broom: 96" (2.4M)
- Larger 48" nozzle (1219.2mm) – optional
- Larger 36" dia. (914.4mm) gutter broom – optional

Water System

- Pump: centrifugal with electric or manual clutch
- Capacities: 50 – 120 GPM (189 – 454 LPM), 50 – 75 PSI (3.5 – 5.2 BAR)
- Drive: auxiliary engine – v-belt
- Pump controls: cab and exterior
- Flow control: electric solenoid valves and ball valves for infinite variable flow

Water Tank

- Construction: 1/4" (6.4mm) UV-resistant polyethylene
- 4" (102mm) air gap fill system
- Capacity: 300 gallons (1136 L)
- Fill System: 15" x 1-1/2" (4.6mm x 38mm) hydrant hose
- Low water: indicator light in cab

Wash Down System: 15' x 3/4" (4.6M x 19mm) rubber hose and hand nozzle

Hydraulic System

- Pump Capacity: 12 GPM (45.42 LPM)
- Pump Type: gear driven
- Filter: high pressure 10 micron
- Control Valves: 12 VDC solenoid operated

Electrical System

- Battery: 1,000 CCA
- Voltage: 12
- Alternator: 65 AMP

Sweeper Controls

- Cab: adjustable control console
- Functions: all nozzles, brooms, water flow, engine speed, lights and low water indicator

Standard Equipment

- Lights & reflectors: D.O.T. required
- Alarm: back up
- Beacon: amber rotating beacon, rear top
- Mounting: installation on suitable factory approved chassis

Optional Equipment

- Debris bodies: capacities 13 cu yd (10 CM), 14 cu yd (10.7 CM), 16 cu yd (12.2 CM) and 20 cu yd (15.3 CM)
- Catch basin assembly: rear-mounted, 12" dia. (304.8mm) vacuum hose – hydraulically powered – pendant controlled
- Catch basin/leaf collection: 12" dia. (305mm) x variable length aluminum or steel tubes
- Debris body drain valve: 6" dia. (152mm) with quarter turn valve
- Additional rear and side catch basin hose assembly ports
- Screen washer system
- Vibrator for body dumping
- Arrow light stick
- Body fenders
- Sweeper lights broom/vacuum head
- Bell nozzle for leaf collection
- Scrubber collar for rear intake vacuum hose
- Strobe lights
- 48" (1219mm) vacuum nozzles – 450 sq in (2903 sq cm) coverage
- 36" (914mm) diameter gutter brooms
- Body load indicator
- Water supply tanks: 350 gallons (1324.8 L) and 420 gallons (1589.7 L)
- High pressure wash down system
- Corten steel body
- Auto reverse broom and vacuum nozzle pickup
- Extended warranties
- Paints other than standard
- Consult factory for other options

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