

# VACALL™

## AllSweep



AllSweep

## SPECIFICATIONS

### BLOWER

- **Drive** - Closed Loop Hydrostatic
- **Speed** - 0-3000 RPM
- **Fan Rating** - 33,600 CFM (951 m³/min.)
- **Fan Vacuum** - 0-50 in H2O (250 - 1270 mm H2O)
- **Fan Construction** - ASTM A572 Grade 50 Steel
- **Fan Housing** - .25 in. (6.35mm) 30 KSI Steel

### DEBRIS TANK

- **Volumetric Capacity** - 10, 13 or 16 yds³ (7.6, 9.9 or 12.2m³)
- **Floor Angle** - 0°
- **Dump Angle** - 50°
- **Sides** - Flared to rear for clean-out
- **Construction** - 11 gauge (3 mm) ASTM A572 Grade 50 Steel
- **Lifting** - Double-acting hydraulic cylinder with load-holding valves
- **Tailgate** - Hydraulic open/close, lock/unlock
- **Full Load Indicator** - Optional weight-activated with in-cab warning light
- **Hopper Screens** - Quick-release steel construction
- **Debris Body Safety Prop** - Dual props on hoist frame located by nozzle intakes
- **Tailgate Safety Prop** - Located outside beside the tailgate
- **Body Dumping Controls** - Wired pendant and in-cab controls with up/down variable-speed and emergency stop
- **In-Cab Dumping Controls** - Standard

### SPRAY WATER SYSTEM

- **Water Tank Construction** - Dual polyethylene
- **Water System Capacity** - 350 gal. (1135 L) standard
- **Pump Type** - Hydraulically powered centrifugal pump
- **System Flow** - 0-140 GPM (0-532 LPM) variable speed
- **System Pressure** - 0-130 PSI (0-9 BAR)

- **Spray Wand** - With ball valve and 25 ft. (7.6m) hose
- **Controls** - Wired pendant and in-cab controls with on/off variable speed
- **Filter** - 200 mesh, cleanable
- **Anti-Siphon Fill** - Standard
- **Hydrant Fill Hose** - 25 ft. (7.6 m) with coupling

### SIDE BROOM

- **Diameter** - 36 in. (914 mm)
- **Speed** - Variable
- **Drive** - Hydraulic motor, with over-pressure protection
- **Mounting** - Floating arm
- **Motion** - Inward/outward, up/down
- **Tilt Adjustment** - Inward/outward, forward/backward
- **Digging Pressure/Wear Control** - Hydraulic
- **Type** - Segment set disposable
- **Material** - Oil tempered steel wire
- **Optional Sweep Gear**: Passenger Side, Driver Side or Dual

### GENERAL SPECIFICATIONS

- **Power** - Chassis engine provides all power using an Allison RDS series automatic transmission with transfer case-driven hydraulic system powering all sweep functions
- **Sweeping Vacuum** - 10-50 in. H2O (250-1270 mm H2O)
- **Sweeping Speed** - 0-11 mph (0-17.7 kpm) with speed-limiting control
- **Propel while Sweeping** - Fully automatic with accelerator/brake pedal used to control speed and stopping. Engine speed is maintained by a controller
- **Auto Store** - Shuts off brooms, water, fan and lifts and stores brooms and nozzles for non-sweeping/highway operation
- **Sweeping Operation** - Brooms operate from under the sweeper to full extension
- **Measured Sweeping Path** - (with 36 in. gutter brooms)
- **Single Suction Nozzle Width** - 48 in. (1219 mm)
- **Dual Suction Nozzle Width** - 96 in. (2438 mm)

- **Single Suction Nozzle & Broom Width** - 77 in. (1956 mm)
- **Dual Suction Nozzle & Single Broom Width** - 25 in. (3175 mm)
- **Dual Suction Nozzle & Dual Brooms Width** - 154 in. (3912 mm)

### HYDRAULIC SYSTEM

- **Implement Pump** - Open loop piston pump, direct gear-driven. Powers brooms, water pump, debris tank, tailgate functions and optional boom
- **Propel Pump** - Closed-loop piston pump, direct gear-driven. Propels truck while sweeping
- **Fan Pump** - Closed loop piston pump, direct gear-driven. Powers fan
- **Reservoir Capacity** - 70 gal. (265 L)
- **Filter** - 6 micron spin-on type with in-cab restriction indicator

### ELECTRICAL SYSTEM

- **Lights** - Side broom, rear clearance, rear identification
- **Reversing Safety** - Electric back-up alarm
- **Wiring Harnesses** - Color-coded function, stamped and labeled every 3 in. (75 mm)
- **LED Clearance Lighting** - Standard

#### Optional Rear Vacuum Hose and Boom

### REAR VACUUM HOSE

- **Hose Connection** - Swivel Clamps
- **Hose Construction** - Flexible rubber, steel reinforced
- **Hose** - 8 in. (203mm) Standard, Optional 12 in. (305 mm) inside diameter; 100 in. (2540 mm) long

### ARTICULATED HOSE BOOM

- **Boom** - Hydraulically powered boom functions
- **Lift Capacity** - 1000lb. (454kg)
- **Boom Controls** - Wired pendant with in-cab controls with up/down variable speed

## OPTIONS

**Super Sweep** - Enables vacuum from both nozzles simultaneously

**Auto Raise** - Shuts off brooms and water, lifts brooms and nozzles, automatic operation in reverse, operation resumes with previous set parameters when traveling forward, automatic or manually-controlled from the cab

**Auxiliary Hydraulic System** - Provides emergency operation of debris body dumping controls

**Stainless Steel Hopper Screens** - Includes stainless steel screen tracks

**Body Vibrator** - Controlled from wire pendant and in-cab controls with on/off, (controlled from optional additional wireless pendant)

**Hose Boom with Powered Rotation** - Controlled from wire pendant and in-cab controls with on/off, (controlled from optional additional wireless pendant)

**Debris Body** - Cor-Ten steel construction and/or interior powder coat paint

**LED Strobe Lights**

**Rear Work Lights**

**Rear Boom Twin Beacon Lights**

**Rear Jetting Hose Reel**

**Tool Boxes**

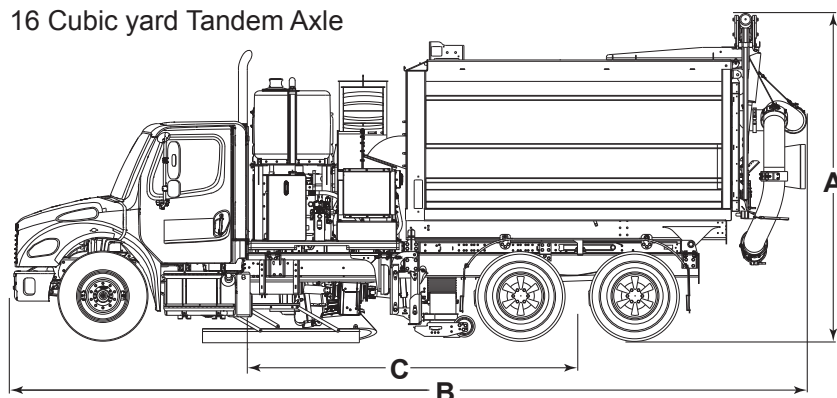
**Receptacle and hand-held Spot Light**  
**Side Broom Tilt**

**Water Tanks** - 350, 420 and 600 gallon (1325, 1590 and 3371L)

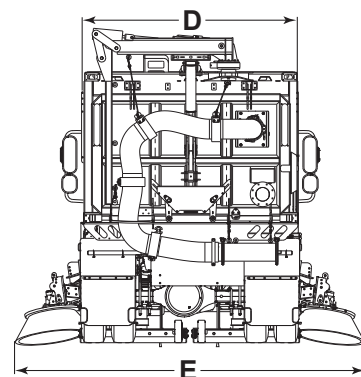
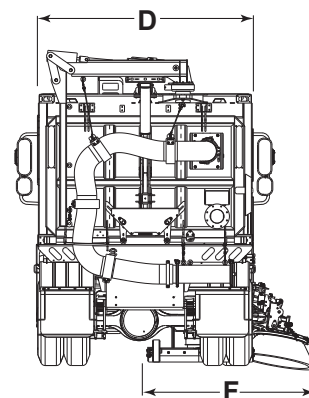
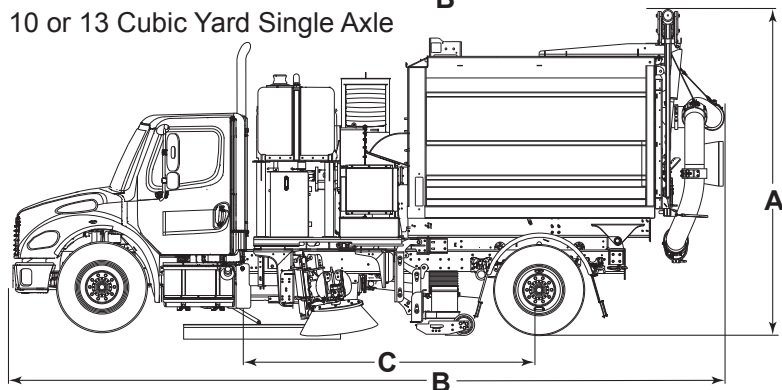
**Wireless Pendant** - Installed in addition to wire pendant. All of the following with speed control: debris body raise/lower, tailgate lock/unlock, tailgate raise/lower, fan on/off, water pump on/off and rear boom raise/lower. Emergency stop and optional vibrator on/off.

**Work Lights** - Passenger side or driver's side

16 Cubic yard Tandem Axle



10 or 13 Cubic Yard Single Axle



DIMENSIONS	MACHINE MODEL NUMBERS					
	AS10	AS10D	AS13	AS13D	AS16*	AS16D*
A. Overall Height	11' 6", (3.5m)	11' 6", (3.5m)	12' 5", (3.7m)	12' 5", (3.7m)	12' 7", (3.7m)	12' 7", (3.7m)
B. Overall Length	27' 3", (8.3m)	27' 3", (8.3m)	29' 0", (8.8m)	29' 0", (8.8m)	29' 0", (8.8m)	29' 0", (8.8m)
C. Clear CA Required	135", (3.4m)	135", (3.4m)	135", (3.4m)	135", (3.4m)	152", (3.9m)	152", (3.9m)
D. Overall Width	8' 4", (2.5m)	8' 4", (3.5m)	8' 4", (2.5m)	8' 4", (2.5m)	8' 4", (2.5m)	8' 4", (2.5m)
E. Dual Sweep Path	N/A	96"-154", (2.4-3.9m)	N/A	96"-154", (2.4-3.9m)	N/A	96"-154", (2.4-3.9m)
F. Single Sweep Path	48"-77", (1.2-2m)	48"-77", (1.2-2m)	48"-77", (1.2-2m)	48"-77", (1.2-2m)	48"-77", (1.2-2m)	48"-77", (1.2-2m)

NOTE: All dimensions shown are applicable to Freightliner M2-106 Chassis only.  
\* Dual Axle Required.

Certified ISO 9001 • Form No. 11605 • 1/23  
Printed in U.S.A

Vacall machines are designed and manufactured by Gradall Industries LLC, a world leader in the production of versatile, reliable maintenance machines. It is our policy to continually improve our products. Therefore, designs, materials and specifications are subject to change without notice and without incurring any liability on units already sold. NOTE: some options shown in pictures.

**VACALL**™

Gradall Industries LLC • 406 Mill Ave SW • New Philadelphia, OH 44663  
(800) 382-8302 • www.vacall.com

**GRADALL**  
INDUSTRIES  
Where Ingenuity Works

**A** ALAMO GROUP