SPECIFICATIONS

**FAN**
- 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

**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
- Optional Sweep Gear: Passenger Side, Driver Side or Dual

**VACUUM NOZZLE**
- Nozzle Width - 48 in. (1219 mm)
- Pickup Area - 446 in² (288,000 mm²) per nozzle
- Construction - Steel with abrasion-resistant steel liners
- Hose Connection - Mechanical clamps
- Hose Construction - Flexible rubber, steel reinforced
- Hose - 12 in. (305 mm) inside diameter

**DEBRIS HOPPER**
- 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. (1353 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

**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 km/h) 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. (2433 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

**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
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

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>AS10</th>
<th>AS10D</th>
<th>AS13</th>
<th>AS13D</th>
<th>AS16*</th>
<th>AS16D*</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Overall Height</td>
<td>11’ 6”, (3.5m)</td>
<td>11’ 6”, (3.5m)</td>
<td>12’ 5”, (3.7m)</td>
<td>12’ 5”, (3.7m)</td>
<td>12’ 7”, (3.9m)</td>
<td>12’ 7”, (3.9m)</td>
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<tr>
<td>B. Overall Length</td>
<td>27’ 3”, (8.3m)</td>
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<td>27’ 3”, (8.3m)</td>
<td>29’ 0”, (8.8m)</td>
<td>29’ 0”, (8.8m)</td>
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<tr>
<td>C. Clear CA Required</td>
<td>135”, (3.4m)</td>
<td>135”, (3.4m)</td>
<td>135”, (3.4m)</td>
<td>135”, (3.4m)</td>
<td>152”, (3.9m)</td>
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<tr>
<td>D. Overall Width</td>
<td>8’ 4”, (2.5m)</td>
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<tr>
<td>E. Dual Sweep Path</td>
<td>N/A</td>
<td>N/A</td>
<td>96”-154”(2.4-3.9m)</td>
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<td>N/A</td>
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</tr>
<tr>
<td>F. Single Sweep Path</td>
<td>48’-77”, (1.2-2m)</td>
<td>48’-77”, (1.2-2m)</td>
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NOTE: All dimensions shown are applicable to Freightliner M2-106 Chassis only.
* Dual Axle Required.