

VACALL™

All Excavate



SPECIFICATIONS

BLOWER

- **Blower** - Roots
Model 1125 DVJ Tri-Nado
Type: Tri-Lobe Direct Drive
- **Drive** - OMSI air-shift transfer case, power frame-mounted
- **Speed** - 2000 RPM
- **Blower Vacuum** - 27" HG (685.8mm)
- **Blower Airflow** - 5,800 CFM (164m³/min) free air

DEBRIS TANK

- **Volumetric Capacity** - 12 Yds.
- **Dump Angle** - 42°
- **Sides** - .250" (6.4mm) thick steel
- **Construction** - Oval shape, cylindrical sides, wrap-around gussets plus rear-mount boom
- **Lifting** - Hydraulic 3-stage telescopic cylinder
- **Tailgate** - Heavy-duty rear full 90° hydraulically-opening with dual positive locking reverse-angle wedges
- **Debris Body Safety Prop** - Single prop manually-operated, located on hoist frame near rear axles
- **Tailgate Safety Prop** - Located outside beside tailgate driver side

CONTROLS

- **AllSmartFlow Control Panel**
Enclosed cabinet control box containing: CAN bus boom control joystick recessed for protection. LCD color display to increase/decrease engine RPM, water pressure, vacuum. Emergency stop button, water pump hourmeter & blower hourmeter
- **Wired Pendant** - Flex Pro wired pendant with 12 proportional push buttons; 3-position rotary switch, latching emergency stop

HYDRAULIC SYSTEM

- **Hydraulic Pump** - Pressure-compensated piston pump with ORS fittings
- **Hydraulic Reservoir** - 36 gallon (136.3L)
- **Return Filter** - 10 micron

VACUUM HOSE

- **Hose Construction** - Smooth bore NR/SBR liner
- **Hose** - 8" bore X 72" long vertical

GENERAL SPECIFICATIONS

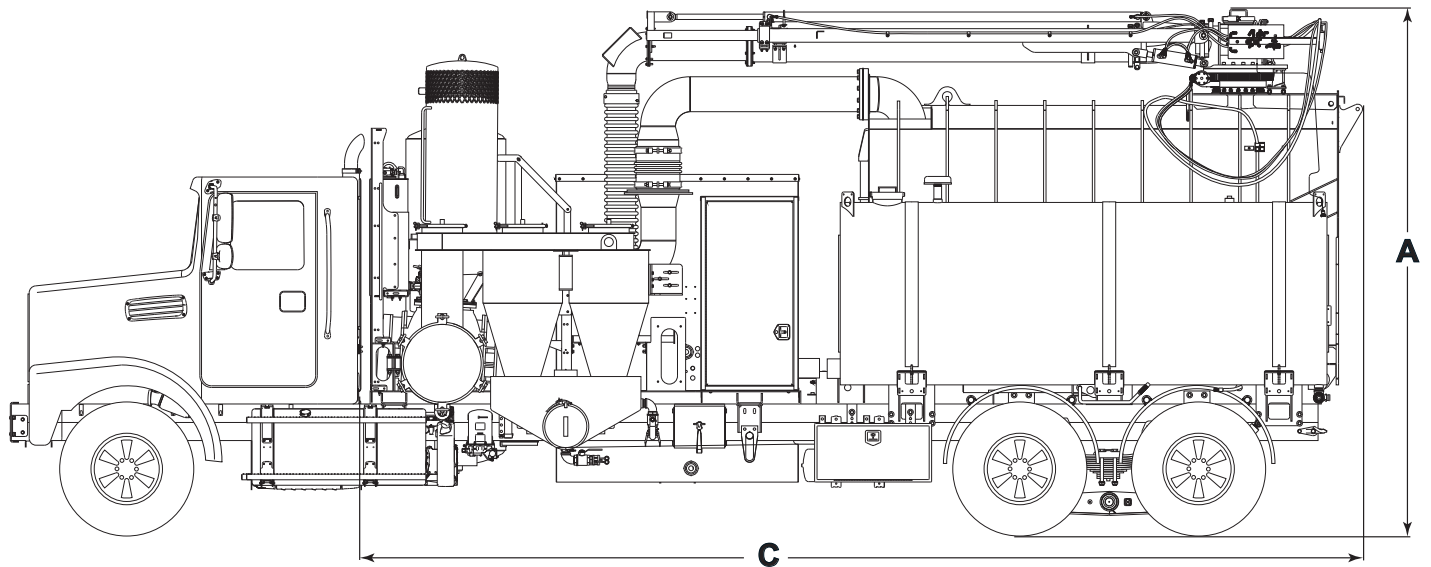
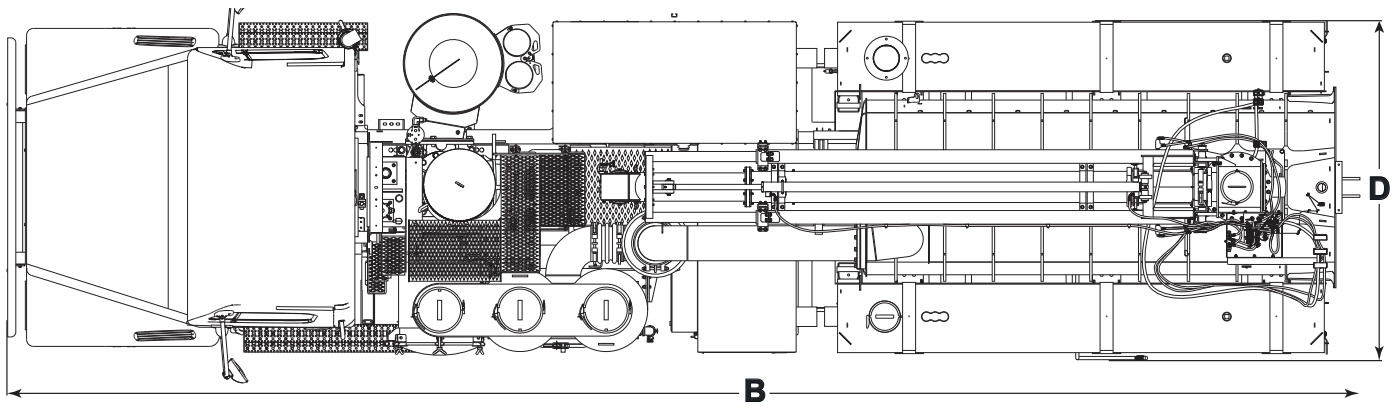
- **Drive** - Split shaft PTO with direct drive to blower
- **Silencer** - Inlet & outlet silencers based on blower requirements
- **Electrical** - 12 volt CAN bus system with sealed connectors

WATER SYSTEM

- **Water Tank Construction** - High-quality fully welded aluminum
- **Water Tank Capacity** - 1,300 gal. (5,910L)
- **Pump Type** - Hydraulically powered triplex plunger
- **Water Pump** - 0-25 GPM @ 3,000 PSI (94.6 LPM @ 206.8 BAR)
- **Hose Reel** - .5" (1.3cm) diameter hose, 50' (15.2m) capacity spring rewind
- **Spray Wand** - Handgun with nozzle & extension
- **Filter** - In-line suction strainer on pump inlet

OPTIONS

- **Wireless Pendant** - Controls all boom functions, engine RPM, vacuum relief, emergency stop, water pump speed
- Sludge Pump
- Brass Slam Valve
- Full Load Indicator
- Hydraulic Debris Body Vibrator
- Anti-Siphon Fill
- Hydrant Fill Hose
- Platforms & Steps
- Work Lights
- Strobe Lights
- Tool Boxes
- 705,000 BTU Boiler
- 940,000 BTU Boiler
- Vacuum Tube Racks
- Galvanized Debris Body



DIMENSIONS	MACHINE MODEL NUMBERS	
	AE1013	AE1213
A. Overall Height	13' 6", (4.1m)	13' 6", (4.1m)
B. Overall Length	36' 7", (11.2m)	38' 7", (11.8m)
C. Clear CA Required	217.5", (5.5m)	241.5", (6.1m)
D. Overall Width	8' 8", (2.6m)	8' 8", (2.6m)

NOTE: All dimensions shown are applicable to Freightliner 114-SD Chassis only.

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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.

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