

VACALL™

AllExcavate

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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 - 2,812 CFM @ 27" HG (79.6m³/min @ 685.8mm HG), 5,800 CFM (164m³/min) free air

DEBRIS TANK

Volumetric Capacity - 10 or 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

COLD WEATHER

Cabinets - Welded aluminum, fully insulated & heated

Boiler - Stainless steel diesel-fired water heater, 400,000 BTU capacity, 12 VDC pump, 3,500 PSI pressure relief, 180° maximum water temperature

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 button; 3-position rotary switch, latching emergency stop

HYDRAULIC SYSTEM

Hydraulic Pump - Pressure-compensated piston pump with JIC fittings

Hydraulic Reservoir - 36 gallon (136.3L)

Suction Filter - 150 micron

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

System Flow - 10 GPM @ 3,000 PSI (37.9 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

700,000 BTU Boiler

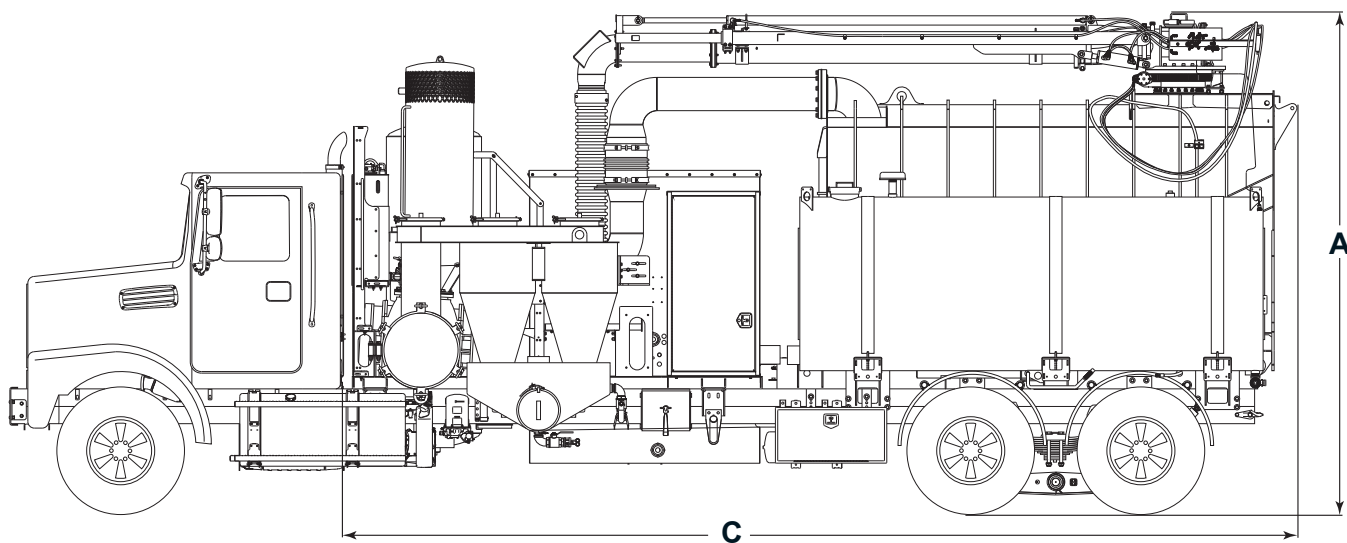
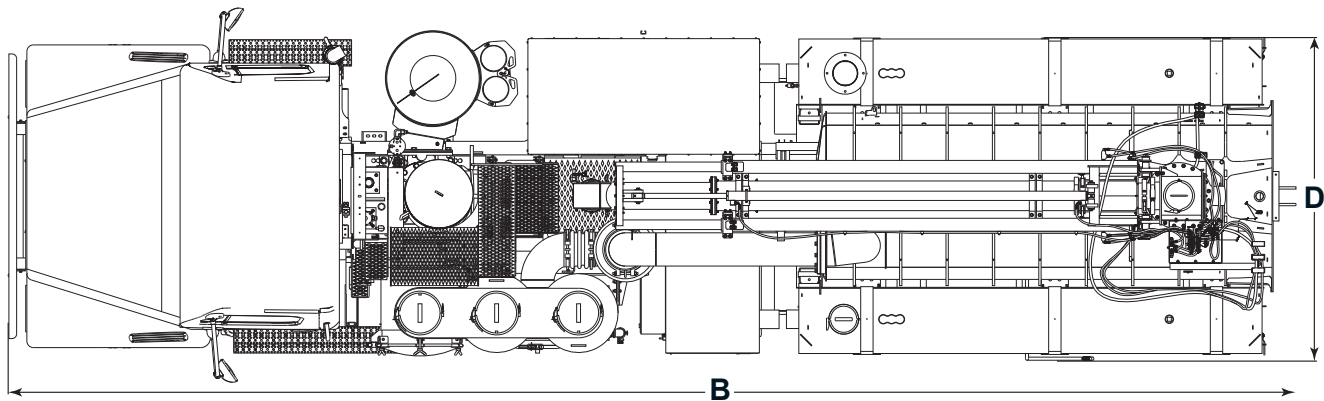
900,000 BTU Boiler

Water Pump - 25 GPM @ 3,000 PSI (94.6 LPM @ 206.8 BAR)

Debris Flushing - Full flow 25 GPM @ 1,700-2,000 PSI (94.6 LPM @ 117.2-137.9 BAR)

Vacuum Tube Racks

VACALL



DIMENSIONS	MACHINE MODEL NUMBERS			
	AE1010	AE1013	AE1210	AE1213
A. Overall Height	13' 6", (4.1m)	13' 6", (4.1m)	13' 6", (4.1m)	13' 6", (4.1m)
B. Overall Length	36' 7", (11.2m)	36' 7", (11.2m)	38' 7", (11.8m)	38' 7", (11.8m)
C. Clear CA Required	217.5", (5.5m)	217.5", (5.5m)	241.5", (6.1m)	241.5", (6.1m)
D. Overall Width	8' 8", (2.6m)	8' 8", (2.6m)	8' 8", (2.6m)	8' 8", (2.6m)

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

Certified ISO 9001 • 7-12

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

VACALL

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