High-Performance

Hydro and Air Excavators Featuring High Pressure and Vacuum Systems

AllExcavate and AllExcavate2 models reflect the superior water and air pressures with vacuum forces that have established Vacall as an industry leader, efficiently excavating around water lines, sewer lines, and other underground utilities. For optimum operating efficiency and cost control, the AE and AE2 are designed to use one engine to power the chassis and also provide power for vacuum and jetting functions – a design that slashes fuel consumption, eliminates emissions from a second engine and reduces costs and downtime for routine maintenance.

FEATURES & BENEFITS

High-Pressure Water System

A hydraulically driven variable speed system has a digital control to vary the water volume and capacity output, conserving water usage and minimizing refill time. An available variable water pump produces up to 24.5 gpm with up to 3,000 psi. The system powers a wand, delivering a high-pressure stream to break up material. A self-wind reel has 75 feet of high-pressure hose, while an optional hose reel has up to 350 feet of high-pressure hose.

High-Pressure Air System

The AllExcavate2 adds the option to excavate with either air or water. Using a compressor that produces 185 cfm at 110 or 150 psi, the AE2 delivers optimum air cutting while minimizing particulate return with deflector diffusion technology and an industry-leading micronic filter system to protect the blower.

Supreme Finish Galvanized Debris Bodies That are Built to Last

An oval shape with cylindrical sides creates extra strength and efficient material dumping. Optional Supreme Finish galvanized tanks provide a heavy-duty, durable finish and carry a lifetime warranty.

Productivity in Frigid Weather

In sub-zero temperatures, operators can use a heated step-in compartment to change and store equipment. Cabinets are heated to keep hose, reel and water pumps from freezing.

Water Tanks Have Lifetime Warranty

Water tanks are fabricated with high-quality aluminum for extra strength with a lifetime warranty. Tanks are mounted above the rear fenders, reducing the possibility of damage from highway debris, rocks and stones. Tank position also creates positive head pressure to the water pump inlet.

AllSmartFlow™ Intelligent Control System is Standard

AllSmartFlow™ is an innovative CAN bus control system, located inside a protective cabinet, allowing operators to efficiently make more precise adjustments in boom movement. The programmable color LCD display provides detailed information about engine performance, water and air flow, water and air pressure, and vacuum functions. A fully proportional pendant, either wired or using wireless capability, is designed for productive control away from the chassis.

Tailgate Design You'll Appreciate

A simple, rugged design with a single control allows the operator to open, close and lock the tailgate. Reverse slope lock wedges actually tighten under the weight of the load. A D-ring gasket and shimmed hinge points create a superior seal and performance.

High-Dump Option

Raise the debris tank as much as 76 inches above ground level and shifting back 21 inches to dump material into rolloffs or other containers, rather than travel to offsite dumping locations.

Double-Cyclone Filtration

A multi-stage vacuum filtration system has a simplified design to reduce maintenance, extend performance and increase working life. As material is deposited into the debris body, air continues to move through a dual cyclone separator where more material particles and moisture are removed. The filtered air then passes through the blower, the silencer and the exhaust.

Choose From Three Boom/Hose Options

Three different boom and hose options accommodate customer preferences. One design that uses a heavy-duty full-length rubber hose is both durable and flexible with a gum rubber lining that runs from the turret mounted on the debris tank out to the pick-up point. A steel tube-in-tube boom and intake connects to an identical rubber hose elbow that leads to the pick-up point. And the original steel tube-in-tube design has a steel elbow boom and intake tube — the industry standard for strength and durability.

VACALL Hydro Excavator Models • Basic Specifications

	AllExcavate			AllExcavate 2		
MODEL	AE 811	AE 1010	AE 1213	AE2 811	AE2 1010	AE2 1213
Debris Tank	8 yard^3	10 yard^3	12 yard^3	8 yard^3	10 yard^3	12 yard^3
Water Tanks	1,100 gallons	1,000 gallons	1,300 gallons	1,100 gallons	1,000 gallons	1,300 gallons
Hose Reel	75' high-pressure hose on self-winding reel			75' high-pressure hose on self-winding reel		
Excavation System	Hydro Excavation			Hydro / Air Excavation		
Boom	7'9" extending boom 330° rotation			7'9" extending boom 330° rotation		

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