

RAMVAC

by SEWER EQUIPMENT



FULL LINE CATALOG

BEST PRODUCTS, BEST LOCAL SUPPORT



HX TRUCK SERIES

The RAMVAC truck-mounted vacuum excavator is built from the ground up to be the safest, simplest, and most maneuverable vacuum excavator on the market. When RAMVAC engineers began designing the HX truck mounted series, they called on end users like you to help them understand what is important in the field and on the road.



RAMVAC understands that operators need a truck that can be easily maintained in the field with parts that are locally available. The trucks in the HX series are made with easily understood electrical systems and do not rely on complex computer systems. Owners are looking for a competitive advantage and RAMVAC offers trucks with better fuel economy and more reliable drive systems.

RAMVAC HX truck series come equipped with many exclusive features that set it apart from its competition. The exclusive temperature-controlled environmental chamber protects against water system freezing. This allows you to utilize the truck in all climates, whether it be in an oil field in South Texas or in the Canadian Tar Sands. This enclosure also provides security for all component inside the chamber. The design of the RAMVAC HX series ensures one of the smallest footprints in the industry, allowing operators to maneuver in and out of areas that competitor trucks cannot.

The air filtration system is another key to RAMVAC's industry leading performance. Its design delivers high-performance air movement and maximum blower protection. RAMVAC's standard Dig Deep boom increases operator productivity by providing the ability to dig 13 feet below grade utilizing one standard vacuum tube.

With a number of available options, the RAMVAC HX series can be customized to meet the needs of any operator. RAMVAC's HX series trucks are available with 3,000 to 5,400 CFM blowers, 6" and 8" systems, 3 yard to 15 yard debris tanks, and transfer case or hydrostatic drive. RAMVAC's Central Lubrication System and additional available 80,000 BTU water heater are features that set RAMVAC apart from the competition while helping operators get the job done right the first time.

Our goal is to build a truck for you that not only meets your needs, but exceeds your expectations. RAMVAC puts operator safety and simplicity at the top of the list and is committed to building machines of the highest caliber to ensure the quality performance you require to reduce down the time and keep you profitable.



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TOLL FREE 800.323.1604

HX TRUCK SERIES

RAMVAC's boom features a 5' extension for a total reach up to 26' from the truck. Worm gear driven, with access to the receiver box, and an abrasion-resistant steel at the back to absorb the impact from the bulk material. RAMVAC's standard Dig Deep boom provides operators the ability to dig 13 feet below grade utilizing one standard vacuum tube.



The temperature-controlled environmental chamber is a RAMVAC exclusive feature. The entire water system is enclosed in this insulated, heated compartment. From the moment the water enters the top of the tanks until the moment it leaves the hose reel, every component from tank to pump are heated by our 80,000 BTU heater.



RAMVAC HX trucks come standard with locking differentials and power diverters to help you get out of the most difficult terrain. Its design ensures one of the smallest footprints in the industry, allowing you to get into those tight spots where other hydro excavators will not fit.



RAMVAC features a NEMA 4 electrical system, including a dust and water resistant control panel, rubber booter and o-ringed controls, loomed wiring, sealed automotive style connections and junctions, as well as a common electrical ground.



RAMVAC hydro excavator's drive system includes fail safes that other manufacturers do not. The truck series is equipped with independent drive systems for the blower, the water system, and auxiliary hydraulics to ensure less wear and tear, as well as system separation.



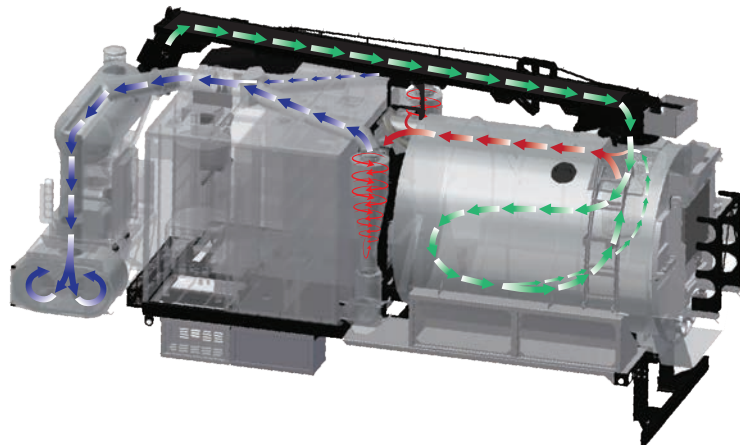
RAMVAC Air System

The RAMVAC Air System is the secret behind our industry leading performance. The RAMVAC Air System is designed to deliver industry-leading air movement, while providing the maximum protection for your blower.

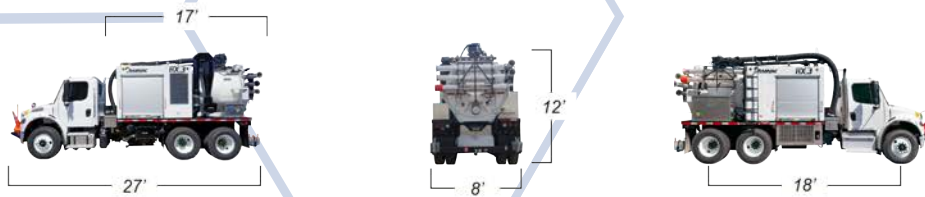
The first stage in the RAMVAC Air System is air flow through the boom. The material will impact the back of the receiver box and start to drop into the tank. As the material enters the tank, it is directed toward the front of the tank to provide for even distribution. The air entering the tank along with the material is routed from the single 8" entry point to dual 8" exit points located at each side of the entry. Thus slowing down the air flow and improving material separation.

The second stage of the RAMVAC Air System takes the air from the tank and routes it into our cyclone filters. At this point, the cyclonic action of these filters propels any remaining material to the side walls of the filters and then down in to an easily maintained collection box.

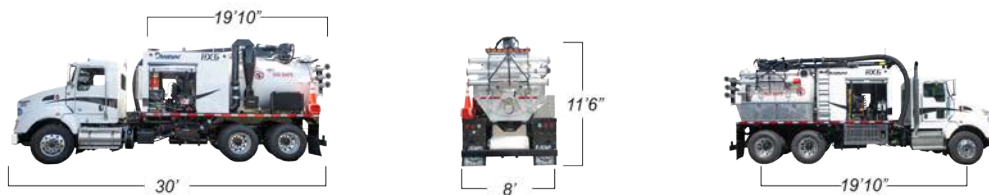
In the third stage of the RAMVAC Air System, the air moves from the cyclone filter into the dual 10 micron final filters. These washable filters will capture any fine particles remaining in the air stream before allowing the air to pass through the positive displacement blower.



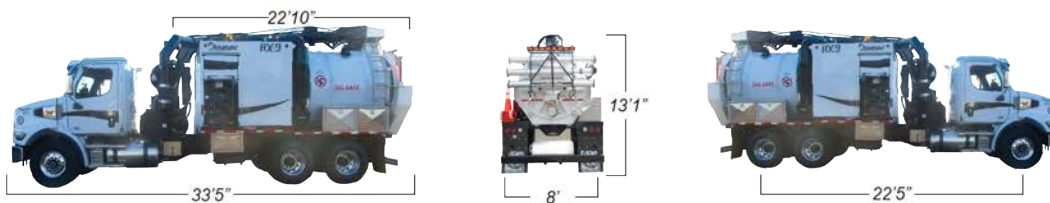
BEST PRODUCTS, BEST LOCAL SUPPORT



| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT EMPTY | GVWR | BOOM REACH | CAPACITY | MIN HP | AXLE CONFIGURATIONS |
|------------|--------|-------|--------|--------------|------------|------------|----------|--------|-----------------------|
| HX3 | 27' | 8' | 12' | 23,800lbs. | 33,000lbs. | 11'-16' | 3yd | 300hp | Single or Tandem Axle |



| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT EMPTY | GVWR | BOOM REACH | CAPACITY | MIN HP | AXLE CONFIGURATIONS |
|------------|--------|-------|--------|--------------|------------|------------|----------|--------|-----------------------|
| HX6 | 30' | 8' | 12' | 27,040lbs. | 39,000lbs. | 13'-18' | 6yd | 300hp | Single or Tandem Axle |



| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT EMPTY | GVWR | BOOM REACH | CAPACITY | MIN HP | AXLE CONFIGURATIONS |
|------------|--------|-------|--------|--------------|------------|------------|----------|--------|-----------------------------|
| HX9 | 35' | 8' | 13'1" | 38,300lbs. | 66,000lbs. | 15'-20' | 9yd | 425hp | Tandem, Pusher, or Tri Axle |



| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT EMPTY | GVWR | BOOM Reach | CAPACITY | MIN HP | AXLE CONFIGURATIONS |
|-------------|--------|-------|--------|--------------|------------|------------|----------|--------|-----------------------------|
| HX12 | 38' | 8' | 13'1" | 43,030lbs. | 79,200lbs. | 18'-23' | 12yd | 425hp | Tandem, Pusher, or Tri Axle |



| MODEL | LENGTH | WIDTH | HEIGHT | WEIGHT EMPTY | GVWR | BOOM Reach | CAPACITY | MIN HP | AXLE CONFIGURATIONS |
|-------------|--------|-------|--------|--------------|------------|------------|----------|--------|---------------------|
| HX15 | 40' | 8'6" | 13'1" | 46,500lbs. | 88,000lbs. | 21'-26' | 15yd | 425hp | Tri Axle |

HX TRUCK SERIES

| | HX-3 | HX-6 | HX-9 | HX-12 | HX-15 |
|---|------|------|------|-------|-------|
| Temperature Controlled Environmental Chamber | | | | | |
| Steel Construction | S | S | S | S | S |
| Aluminum Construction | O | O | O | O | O |
| Insulation System | O | O | O | O | O |
| "Polar Pack" Insulation System | O | O | O | O | O |
| 80,000 BTU Heater | S | S | S | S | S |
| Heated Equipment Locker | S | S | S | S | S |
| Boom Assembly | | | | | |
| 6-Way Hydraulic Assist | S | S | S | S | S |
| Dig Deep Boom | | | S | S | S |
| 320 Degree Working Radius | S | S | S | S | S |
| Replaceable Wear Plate | S | S | | | |
| Easy Access Inspection Port | S | S | S | S | S |
| Telescoping Boom | | | O | O | O |
| Chassis | | | | | |
| Single Axle Configuration | S | S | | | |
| Tandem Axle Configuration | O | O | S | S | |
| Tandem Axle w/ Pusher Configuration | | | | O | |
| Tandem Axle w/ Pusher & Tag | | | | O | |
| Tandem Axle w/ 2 Pusher & Tag | | | | O | |
| Tridem Axle Configuration | | | | O | S |
| LED ICC Lighting | S | S | S | S | S |
| No Sail Mud Flaps | | S | S | S | S |
| Hitch w/ Brake Controller | O | O | O | O | O |
| Vacuum System | | | | | |
| 3000 CFM and 18" | S | S | | | |
| 4400 CFM and 18" | | | S | S | S |
| 5400 CFM and 28" | | | | O | O |
| 6" Vacuum System | S | S | | | |
| 8" Vacuum System | | | S | S | S |
| Cyclone Separation | S | S | S | S | S |
| 10 Micron Final Filter | S | S | S | S | S |
| Vacuum Enhancer | S | S | S | O | O |
| Directional Discharge | S | S | S | O | O |
| Hydrostatic Blower Drive | S | S | S | O | O |
| Tool Boxes & Storage | | | | | |
| Deck Mounted Aluminum Tool Box Driver Side | | | S | S | S |
| Deck Mounted Aluminum Tool Box Passenger Side | S | S | S | S | S |
| Below Deck Mounted Aluminum Tool Box Driver Side | | | S | S | S |
| Below Deck Mounted Aluminum Tool Box Passenger Side | | | S | S | S |
| Tool Box Driver Side | O | O | O | O | O |
| Behind Cab Tool Tray | S | S | O | O | O |

| Legend | |
|---------------|---|
| Standard | S |
| Optional | O |

| | HX-3 | HX-6 | HX-9 | HX-12 | HX-15 |
|--------------------------------------|------|------|------|-------|-------|
| Excavation System | | | | | |
| Attachments & Accessories | | | | | |
| 185 CFM @ 150 psi Air System | O | O | O | O | O |
| 300 CFM @ 110/250 psi Air System | | | O | O | O |
| Additional Air Lance | O | O | O | O | O |
| Additional Water Lance | O | O | O | O | O |
| Debris Box | | | | | |
| 1/4" EX-TEN Steel Construction | S | S | S | S | S |
| Debris Liquid Level Indicator | S | S | S | S | S |
| 50 Degree Hydraulic Dumping | S | S | S | S | S |
| Fold Down Pipe Racks | S | S | S | S | S |
| Hydraulic Open/Close Rear Door | S | S | S | S | S |
| Electric Body Vibrator | O | O | O | O | O |
| Audible Liquid Level Alarm | O | O | O | O | O |
| 8" Sampling Port w/ Ladder | | | S | S | S |
| Dual 6" Ported Rear Door | | | S | S | S |
| 4" Hydraulic Trash Pump (800 GPM) | | | O | O | O |
| 3" Hydraulic Trash Pump (400 GPM) | O | O | | | |
| Central Lubrication System | O | O | O | O | O |
| Electrical & Lighting | | | | | |
| NEMA 4 Rated Control Box | S | S | S | S | S |
| Wireless Remote | S | S | S | S | S |
| Water System | | | | | |
| 325 Gallon Water Capacity | S | | | | |
| 650 Gallon Water Capacity | | S | | | |
| 1300 Gallon Water Capacity | | | S | S | S |
| 10 GPM @ 3000 psi Pump | S | S | S | S | S |
| 18 GPM @ 3000 psi Pump | | | O | O | O |
| 400,000 BTU Water Heater | S | S | S | S | S |
| 800,000 BTU Water Heater | | | O | O | O |
| 2.5" Water Fill | S | S | S | S | S |
| "Y" Strainer Water Fill Filter | O | O | O | O | O |
| Water Recirculation System | S | S | S | S | S |
| Heated Hand Wash System | S | S | S | S | S |
| 75' of 3/8" Hose w/ Spring Load | S | S | S | S | S |
| Retractable Reel | | | | | |
| Anti-Freeze System (10 Gallons) | O | O | O | O | O |
| Inlet Misting System | O | O | O | O | O |
| Dual Operator Station | O | O | O | O | O |
| Air Purge System (Chassis Powered) | O | O | O | O | O |
| Accessories | | | | | |
| Extension Tube Kit | S | S | S | S | S |
| Digging Tube w/ Insulation | S | S | S | S | S |
| Quick Clamp Kit | S | S | S | S | S |
| Rotary Head Digging Wand | S | S | S | S | S |
| Dual Nozzle Chisel Head Wand | S | S | S | S | S |
| Washdown Gun | S | S | S | S | S |
| 25' Fill Hose | S | S | S | S | S |
| Hydrant Wrench | S | S | S | S | S |
| Owner's Manual (Paper & CD) | S | S | S | S | S |
| Safety Cones w/ Rack | O | O | O | O | O |



TEMPEST THE PERFECT STORM

INDUSTRIAL VACUUM TRUCK

The Tempest Industrial Air Machine by RAMVAC represents proven state-of-the-art vacuum technology capable of removing dry and dusty materials, as well as liquids, over long distances and depths. Touting an 18 cubic yard debris box and a host of exclusive features, this unit delivers maximum vacuum power and industry-leading efficiency.



SELF-DISCHARGING AUTOMATIC FILTER SYSTEM

The exclusive self-discharging filter system provides automatic interval cleaning of the filter house during vacuum operations. This system significantly reduces the downtime associated with premature cleaning of the bag house when the debris box is not full. The Tempest is the only truck available on the market that allows the operator to keep working, while also recognizing maximum debris capacity.

MAXIMUM VACUUM POWER

The Tempest delivers maximum vacuum efficiency even in the toughest working conditions. While utilizing high suction from a 28" Hg 5500 CFM positive displacement blower through an 8" system, this unit also produces decreased noise emissions leading to safer working conditions for operators. E-Stops come standard in multiple locations on the truck for the increased safety of all operators.

UNLOADING EFFICIENCY

Standard with a full opening rear door, the Tempest only requires one dump to eliminate all debris within the debris box. With a standard 50 degree dump angle and 50" clearance from splash plate to ground, this truck allows for the easy and effective offloading of material into roll-off containers or any desired dump locations.



| LENGTH | WIDTH | HEIGHT | WEIGHT EMPTY | GVWR | BOOM REACH | CAPACITY | MIN HP | AXLE CONFIGURATIONS |
|--------|-------|--------|--------------|-------------|------------|----------|--------|----------------------|
| 38' 3" | 8' 3" | 13' 5" | 46,900 lbs. | 79,200 lbs. | 16' | 18yd | 450hp | Tandem/Pusher/Tridem |

RAMVAC TEMPEST

EXCLUSIVE KNUCKLE BOOM

The Tempest's exclusive, articulating extendable Knuckle Boom provides 4.5' of extension with a total 16' working length and 270 degree range of motion. The hydraulically-powered boom knuckle hinges back and forth providing additional support of the vacuum tube and gaining increased operator ergonomics and cleaning efficiency. Pair the exclusive features of the Tempest Knuckle Boom with the industry-leading technology of the Trident Wireless Remote, operators can safely maneuver the boom from far distances to avoid hazardous environments and eliminate the need for two-man operation.



OPTIONS TO MEET YOUR SPECIFIC NEEDS

The Tempest comes with a wide variety of options to fit the needs of every operator. The addition of a hydro excavation package gives operators access to water when the application requires it. A body vibrator helps break up dry debris during dumping operations, while a boom catwalk eases overall maintenance and service and comes complete with tethered tie-offs for operator safety. As an additional safety feature, a grounding reel and spike provide protection against static and electrical currents while on the job.

DEBRIS BOX: 18 cubic yard capacity made from carbon steel construction with full opening rear door

VACUUM SYSTEM: 28" Hg 5500 CFM positive displacement blower through an 8" system

AXLE CONFIGURATION: Drop axle provides 8,500 pounds of additional carrying capacity

FILTER SYSTEM: Automatic interval cleaning of the bag house allows operators to fully fill the debris box

KNUCKLE BOOM: Exclusive articulating boom with hydraulic movement for maximum hose support

RENTALS: Rental and Rent-to-Own options available through Rock Rental by calling 1.833.482.7625

*For all available maintenance parts and accessories, please visit www.sewershop.com.



RAMVAC AX - AIR EXCAVATOR TRUCK

RAMVAC by Sewer Equipment brings you the AX air excavator truck series. This series offers a single engine design that provides operators the ability to excavate with both air and water effectively using one truck. All water systems are contained within a single heated enclosure for cold weather applications, while also offering the most cubic feet of standard tool storage on the market. RAMVAC designs its trucks from the ground up to be simple, powerful, and the most maneuverable in the industry.

Simple Operator Interface: From tool storage to operation controls, this truck was designed to make overall operation and maintenance easy and accessible. Major functions and maintenance points are accessed from ground level for increased operator safety. 12 volt electrical controls and manual hand valves allow for on-site troubleshooting in the field and quick maintenance, as replacements parts are available at any standard hardware store.



Does It All: This one truck provides the ability to pothole using a 4" port, as well as conduct major excavating utilizing a 6" port. The AX series offers standard payload capacities from 5,000 to 12,000 lbs while its hydraulic rear door allows operators to dump spoils quickly and easily.

Most Powerful Vacuum System: The AX series allows you to customize your blower to achieve the results you need in any application, as it offers a variety of blower capacities including 18" or 27" Hg, 1,400 or 3,000 CFM and hose diameter of 6" or 4". The addition of the Dig Deep boom carries powerful air flow while providing any operator the ability to dig ten feet below grade.

Multiple Platforms Available: This series is one module that can be mounted on two different chassis. The AX module is offered on a Class 6 chassis that requires no CDL certification to drive and operate. The AX-XL mounts on a Class 7 chassis for operators looking for increased payload with the ability to hydro excavate, in addition to digging with air.

Eco-Friendly Platform: Truck speed has been designed to lower overall RPMs, consumes considerable less fuel than traditional designs adding to your bottom line every year. Perhaps more importantly, low RPMs equate to lower noise emissions. Complaints while operating in residential areas are minimized, and operators recognize a higher level of safety when they are able to hear each other and the traffic around them.





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Actual projects may not be an exact match to product as shown.

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