

# TRUCK VACUUM EXCAVATORS



**VACUUM EXCAVATION**

# COMMON APPLICATIONS

## TRUCK, VAC, DURABILITY, PRODUCTIVITY—THE COMPLETE PACKAGE.

Ditch Witch® truck vacuum excavators provide greater mobility and maneuverability on the jobsite and outstanding performance in a compact package. These systems come complete with the vacuum excavator and truck—either a single or tandem rear axle—so you control your initial investment. The vacuum excavator is mounted directly to the truck frame rails, allowing system components to flex independently of the truck, maximizing structural integrity.

The tandem rear-axle configuration allows you to tow additional equipment to the jobsite. Designed with maximum payload and towing capacity, the tandem axle configuration is built to handle heavy spoils while pulling a trailer. This helps reduce equipment wear and fuel consumption.

Like all Ditch Witch vacuum excavators, our truck vacs are construction-grade machines built with heavy-duty components that can withstand the demands of virtually any cleanup or soft excavation task. Plus, they can be customized with your choice of tank sizes and numerous other options such as wireless hydraulic booms and reverse flow.

### CLEANUP OF NON-HAZARDOUS, NON-FLAMMABLE FLUIDS AND SPILLS IN AND AROUND:

- Jobsites
- Manholes
- Catch basins
- Meter boxes
- Storm drains
- Cellars
- Conduit and pipe
- Vehicle wash pits
- Gutters
- Directional drills
- Trenches
- Utility boxes/vaults
- Utility/water/sewage lines
- Refinery tank and storage facilities
- Culverts

### SOFT EXCAVATION CAPABILITIES

- Digging postholes
- Potholing
- Slot trenching
- Setting utility boxes and valves
- Street repair
- Keyholing

### OTHER USES

- Non-hazardous wastewater cleanup
- Salt and sand removal
- Industrial machine cleaning
- Post-emergency restoration
- Mulch and gravel removal
- Tree stump shaving removal



# OPTIONAL FEATURES

## CYCLONIC FILTER

- Industry-leading triple filtration system
- Prevents dry materials from flowing downstream into mesh filter
- Increases system productivity and minimizes frequency of cleaning filter



# OPTIONAL FEATURES

## REVERSE FLOW

- Simplifies the removal of spoils
- Offloads spoils to a remote location
- Improves overall productivity



## WATER HEATER

- Keeps water system from freezing in inclement weather
- Increases wintertime productivity
- Increases production in tight soils
- 340,000 BTU



# OPTIONAL FEATURES

## WIRELESS HYDRAULIC BOOM

- Saves labor, time and reduces operator fatigue
- Rotates 270 degrees and extends to 14 ft (4.3 m)
- Wireless remote operation
  - Controls tank functions; open/closes door, raises/lowers tank



# OPTIONAL FEATURES

## TANK CONFIGURATION

- 500-gallon (1893-L) spoils tank and 200-gallon (757-L) water tank; Class 6 only
- 800-gallon (3028-L) spoils tank and two 200-gallon (757-L) saddle-style water tanks; Class 7 or 8



## TANDEM REAR AXLE

- Designed for increased payload and towing capacity
- Built to handle heavy spoils while towing a trailer
- Receiver hitch for lighter loads
- Pintle hitch for heavier loads



## FXT30 TRUCK VACUUM EXCAVATOR

1 Standard hydraulic door opens fully horizontal to maximize the efficiency of spoils removal.

2 Reusable, 2-micron vacuum filter and a blower relief valve air filter provide the industry's best filtration; optional cyclonic filter cleans the air before it reaches the filter, minimizing maintenance.

3 The 25-hp (18.5-kW) FXT30 offers 500 cfm (14.2 m<sup>3</sup>/min) of suction power and up to 3,000 psi (207 bar) of water pressure.

4 Ladders provide easy access to truck bed, and can be stowed when not in use.



9 Remote-fill water tank allows convenient fill from ground and prevents siphoning back into water supply.

8 Fully enclosed, insulated and lockable power pack protects major components from weather and vandalism and leads the industry in noise reduction—at 73 dBA, it's one of the quietest vacs on the market.

7 Designed for minimal overall package height, resulting in a lower center of gravity and better handling during transport.

6 Easily accessible controls and service points; curbside controls can be configured for left- or right-hand traffic.

5 Mounts directly on truck frame rails, allowing system components to flex independently of truck, for maximum structural integrity.

The proven, reliable performance of our industry-leading vacuum excavation systems is available in a compact package that makes it even more cost-efficient and maneuverable. The Ditch Witch® FXT30 Truck Vacuum Excavator has the power, innovative design and features to do all of your dirty work for you. Exposing buried utility lines, cleaning out storm drains, directional drilling site cleanup, water leak repair, and valve box cleanout are just a handful of the countless tasks the FXT30 is built for.

**THE WHOLE PACKAGE  
FOR THE WHOLE JOBSITE.**



## FXT50 TRUCK VACUUM EXCAVATOR

The Ditch Witch® FXT50 Truck Vacuum Excavator has the power and functionality to do it all—everything from potholing to cleanup of most non-hazardous types of spills, HDD fluids and jobsite debris—and do it all more quietly than any other vac system in its horsepower class. And we built the FXT50 to be as robust as it is versatile, engineering it to flex independently of the truck to produce maximum structural integrity. Add it all up and you've got a long-term solution to all of your non-hazardous, non-flammable cleanup and soft excavation needs.

**GO MORE PLACES.  
DO MORE JOBS.**



## FXT60 TRUCK VACUUM EXCAVATOR

1 At 82 dBA, the FXT60 includes a fully enclosed, insulated and lockable power pack that protects major components from weather and vandalism while leading the industry in noise reduction.

2 Easily accessible controls and service points; curbside controls can be configured for left- or right-hand traffic.

3 Autoclutching feature disengages the water pump when water is not in use, allowing full system power for suction.

4 Equipped with a 74-hp (55-kW) Deutz® diesel engine, a 1,027 cfm (29.1m<sup>3</sup>/min) blower and a water system with a water pressure capacity of 3,000 psi (207 bar) and 5.5 gpm (20.8 l/min) flow.

5 Remote-fill water tank valve allows for easy filling and prevents siphoning back into the water supply.

6 Optional hydraulic boom extends to 14 ft (4.3 m); saves labor, time and reduces operator fatigue.

7 Saddle-style tanks provide optimal weight distribution to keep payload over rear axle.

8 Standard hydraulic door opens fully horizontal to maximize the efficiency of spoils removal; door also features hydraulic locks.

10 Designed for minimal overall package height, resulting in a lower center of gravity and better handling during transport.

9 Integrated tool rack on door and underbody hose storage help simplify operation.

Equipped with a 74-hp (55-kW) Deutz® diesel engine, the Ditch Witch® FXT60 Truck Vacuum Excavator offers 1,027 cfm (29.1 m<sup>3</sup>/min) of suction power and a high-pressure water system with a 5.5-gpm (20.8-l/min), 3,000-psi (207-bar) water pump. That's more than enough power and suction for large cleanup jobs around directional drilling sites and municipal locations, plus soft excavation tasks such as potholing utilities. And with the exceptional maneuverability of our truck vac line, you can access remote jobsites easier.

**ALL OF THE POWER  
FOR ALL OF THE JOBSITES.**



# SPECIFICATIONS

DIMENSIONS	FXT30 800 GAL SPOILS/400 GAL WATER	FXT50 800 GAL SPOILS/400 GAL WATER	FXT60 800 GAL SPOILS/200 GAL WATER
Length	214.3 in (5443.2 mm)	214.3 in (5443.2 mm)	214.3 in (5443.2 mm)
Width	96 in (2438.4 mm)	96 in (2438.4 mm)	96 in (2438.4 mm)
Height w/boom	93 in (2362.2 mm)	93 in (2362.2 mm)	93 in (2362.2 mm)
GVWR	33,000 lb (14968.5 kg)	33,000 lb (14968.5 kg)	33,000 lb (14968 kg)
DIMENSIONS (TANDEM AXLE)	800 GAL SPOILS/400 GAL WATER	800 GAL SPOILS/400 GAL WATER	800 GAL SPOILS/400 GAL WATER
Length	235.3 in (5976.6 mm)	235.3 in (5976.6 mm)	235.3 in (5976.6 mm)
Width	96 in (2438.4 mm)	96 in (2438.4 mm)	96 in (2438.4 mm)
Height w/boom	93 in (2362.2 mm)	93 in (2362.2 mm)	93 in (2362.2 mm)
GVWR	52,000 lb (23586.8 kg)	52,000 lb (23586.8 kg)	52,000 lb (23586.8 kg)
POWER			
Engine	Kubota® D1105-E3B	Deutz® D2011L03I	Cummins® B3.3NA
Fuel	Diesel	Diesel	Diesel
Cooling medium	Water	Oil	Water
Aspiration	Natural	Natural	Natural
Number of cylinders	3	3	4
Manufacturer's gross power rating	24.8 hp (18.5 kW)	49 hp (36.5 kW)	74 hp (55 kW)
Emissions compliance	EPA Tier 4/EU Stage IV	EPA Tier 4/EU Stage IIIA	EPA Tier 4/EU Stage IIIB
Rated speed	3,000 rpm	2,600 rpm	2,600 rpm
Fuel tank capacity	15 gal (56.8 L)	25 gal (94.6 L)	25 gal (94 L)
VACUUM SYSTEM			
Air flow	500 cfm (14.2 m³/min)	1,020 cfm (28.8 m³/min)	1,027 cfm (29.1 m³/min)
Vacuum, max	15 in Hg (381 mm Hg)	16 in Hg (406.4 mm Hg)	16 in Hg (406.4 mm Hg)
Vacuum tank capacity	500/800 gal (1893/3028 L)	500/800 gal (1893/3028 L)	500/800 gal (1893/3028 L)
Tank outlet valve size	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)
Filter type	Washable polyester	Washable polyester	Washable polyester
Filter area	100 ft² (9.3 m²)	100 ft² (9.3 m²)	100 ft² (9.3 m²)
Suction hose	3 in (76.2 mm)	4 in (102 mm)	4 in (102 mm)
WATER SYSTEM			
Water tank capacity	200/400 gal (757/1514 L)	200/400 gal (757/1514 L)	200/400 gal (757/1514 L)
Water pump flow	4.2 gpm (15.9 l/min)	5.1 gpm (19.3 l/min)	5.5 gpm (20.8 l/min)
Water pump pressure, max	3,000 psi (207 bar)	3,000 psi (207 bar)	3,000 psi (207 bar)
Antifreeze system	50/50 water/antifreeze mix	50/50 water/antifreeze mix	50/50 water/antifreeze mix
Pressure hose length (locking reel)	50 ft (15.3 m)	50 ft (15.3 m)	50 ft (15.3 m)
HYDRAULIC SYSTEM			
	Gear pump	Gear pump	Gear pump
BATTERY			
SAE reserve capacity rating	110 min	195 min	195 min
SAE cold crank rating @ 0°F (-18°C)	800 amps	950 amps	950 amps
Electrical system	12V	12V	12V
NOISE LEVEL			
Sound power	105 dBA	110 dBA	110 dBA
Sound pressure	73 dBA	82 dBA	82 dBA

Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.



FXT30 Truck Vacuum Excavator



FXT50 Truck Vacuum Excavator



FXT60 Truck Vacuum Excavator



**FIND THE SUPPORT YOU NEED AT YOUR LOCAL DITCH WITCH® DEALER.**



### **DIRECTIONAL DRILLS**

Ditch Witch vacuum excavators provide support for our industry-leading horizontal directional drills. From the compact JT5 to the heavy-duty JT100, there's an unbeatably efficient Ditch Witch directional drill for every type of jobsite and installation size.



### **PARTS AND SERVICE**

Your Ditch Witch dealer is your source for factory-trained service and the genuine Ditch Witch parts you need for your vacuum excavation system, including suction tools, extensions, filters, spray nozzles, and other accessories that enable you to complete a wide variety of tasks.

