

 **Ditch Witch**<sup>®</sup>

# FX25 VACUUM EXCAVATOR



VACUUM EXCAVATION

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1

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

2

Standard 500-gallon (1893-L) spoils tank and choice of 80- or 200-gallon (303- or 757-L) water tanks for a wide range of cleanup jobs.

3

Easy-access hose and tooling storage rack are designed to improve convenience and safety.

4

Reusable, 3-micron vacuum filter and a blower relief valve air filter provide the industry's best filtration.

9

Hydraulically controlled, dual-cylinder tank dumping system provides stability when dumping.

8

Optional reverse-flow feature to offload spoils quickly and easily.

7

Reliable 31-hp (23.1-kW) Briggs & Stratton® Vanguard™ gas engine with high-capacity, remote air filter.



5

High-pressure water system with a 4-gpm (15.1-l/min), 3,000-psi (207-bar) water pump is adjustable from curbside operator's station; autoclutching feature disengages water pump when water not in use, allowing full system power for suction.



For all kinds of cleanup jobs, the **Ditch Witch® FX25 Vacuum Excavator** is the economical solution you've been looking for. This low-maintenance, low-profile unit can operate in tight jobsites, taking care of spills and unwanted fluids with exceptional suction power. It also takes care of essential soft excavation tasks—like potholing—with its optional high-pressure water tank. Whatever the job demands, the FX25 demands only one person to do it all.

**WE'RE IN THIS TOGETHER.**

6

NHTSA-compliant trailer comes standard with toolbox storage in tongue.



# FX25 VACUUM EXCAVATOR SPECIFICATIONS

	U.S.	METRIC
<b>DIMENSIONS</b>		
<b>500 GAL SPOILS/80 GAL WATER ON T95/T9SH</b>		
Length	200 in	5.1 m
Width	96 in	2.3 m
Height	86 in	2.2 m
Weight, empty	5,410 lb	2454 kg
Trailer GVWR	10,000 lb	4536 kg
<b>POWER</b>		
Engine	Briggs & Stratton® Vanguard™	
Fuel	Gasoline	
Cooling medium	Air	
Aspiration	Natural	
Number of cylinders	2	
Displacement	54.68 in <sup>3</sup>	896 cc
Bore	3.37 in	86 mm
Stroke	3.07 in	78 mm
Manufacturer's gross power rating (SAE J1940)	31 hp	23.1 kW
Rated speed	3,600 rpm	
Emissions compliance	EPA LSI	EU Stage II
Fuel tank capacity	6.9 gal	26.1 L
<b>VACUUM SYSTEM</b>		
Blower displacement	543 cfm	15.3 m <sup>3</sup> /min
Drive type	Belt	
Vacuum, max	15 in Hg	381 mm Hg
Vacuum tank capacity	500 gal	1893 L
Outlet valve size	6 in	152 mm
Tank inlet valve size	4 in	102 mm
Tank dump angle, max	45°	
Filter type	Washable polyester	
Filter area	100 ft <sup>2</sup>	9.3 m <sup>2</sup>
Hose	3 in	76 mm

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.

	U.S.	METRIC
<b>WATER SYSTEM</b>		
Water tank capacity	80/200 gal	303/757 L
Water pump flow	4 gpm	15.1 l/min
Water pump pressure, max	3,000 psi	207 bar
Clutch type	Electric pump clutch w/auto de-clutch feature	
Antifreeze system		
Hose reel (locking)	50 ft	15.3 m
<b>HYDRAULIC SYSTEM</b>		
Gear pump		
Flow rate	3 gpm	11.4 l/min
Reservoir size	6 gal	22.7 L
Pressure	2,500 psi	172 bar
Tank dump cylinders (2)	3 in	76 mm
<b>BATTERY</b>		
SAE reserve capacity rating	110 min	
SAE cold crank @ 0°F (-18°C)	800 amps	
Electrical system	12V	
<b>NOISE LEVEL</b>		
Sound power	110 dBA	
Sound pressure per ISO	87 dBA	



# FX25 VACUUM EXCAVATOR OPTIONS



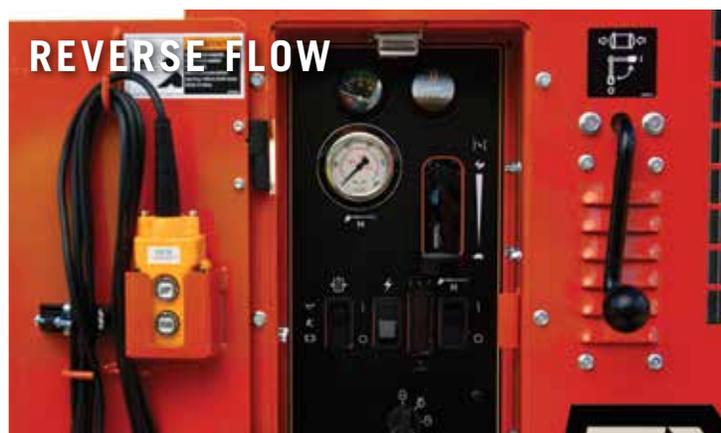
- Option of 3-inch (76-mm) or 4-inch (102-mm) hose



- 80 gal (303 L)
- 200 gal (757 L)



- Keeps water system from freezing in inclement weather
- Increases wintertime productivity
- Increases production in tight soils



- Simplifies removal of spoils
- Offloads spoils to remote location
- Improves productivity



- Provides superior filtration
- Increases system productivity



## THE DITCH WITCH® VACUUM EXCAVATION SYSTEM INCLUDES:



### ELECTRONICS

Before you dig, you must know what's below. After you call 811 to locate buried telephone, CATV, power, gas, or water lines, there's a Ditch Witch locating system to help you verify the locates. From our lightweight, hand-held units to the exceptionally versatile and accurate UtiliGuard™ locating system, Ditch Witch locating systems help improve your efficiency and, more importantly, your safety.



### DIRECTIONAL DRILLS

Ditch Witch vacuum excavators provide support for our industry-leading horizontal directional drills. From the compact JT5 to the heavy-duty JT100 Mach 1, 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 lawn sweepers, suction tools, extensions, filters, spray nozzles, and other accessories that enable you to complete a wide variety of tasks.

