

FX20 VACUUM EXCAVATOR

The 25-hp (20.1-kW) Ditch Witch® FX20 Vacuum Excavator is perfect for a wide range of projects and multiple short runs per day: municipal projects such as valve box cleanout, commercial and residential debris cleanup and landscaping, exposing utility lines, pothole digging, and many other tasks. We made the FX20 small so you can transport it in the back of your truck, but it still has big-time suction power.

**BIG PRODUCTIVITY IN
SMALL SPACES.**

1

150-gallon (568-L) vac tank is mounted permanently at a 45-degree angle, making the dumping cycle quick and easy.

2

Curbside operator's console is designed to make controls easily accessible; console can be positioned on either side of the unit.

6

Cyclone separator cleans the air before it ever reaches the filter, minimizing maintenance.

5

Outstanding suction power of 543 cfm (15.3 m³/min) in a compact, extremely durable package; belt-driven blower is reliable and easy to maintain.

4

Skid-mounted FX20 can fit in the back of a pickup truck, on a flatbed trailer or a specially designed Ditch Witch trailer.

3

25-hp (20.1-kW) Kohler® gas engine is renowned for its reliability and ease of maintenance.



SPECIFICATIONS

DIMENSIONS	FX20 150 GAL SPOILS/80 GAL WATER/T4S	FX25 500 GAL SPOILS/80 GAL WATER/T9S	FX30 500 GAL SPOILS/80 GAL WATER/T9S	FX50 800 GAL SPOILS/200 GAL WATER/T18S	FX65 1,200 GAL SPOILS/500 GAL WATER/T26	MV800 800 GAL SPOILS/100 GAL WATER/T14
Length	174 in (4420 mm)	200 in (5080 mm)	200 in (5.1 m)	263 in (6.7 m)	249 in (6.3 m)	208 in (5283 mm)
Width	86 in (2184 mm)	96 in (2184 mm)	96 in (2.3 m)	102 in (2.6 m)	101 in (2.6 m)	96.5 in (2479 mm)
Height, w/out boom	93 in (2362 mm)	86 in (2337mm)	86 in (2.2 m)	92 in (2.3 m)	99 in (2.5 m)	91.5 in (2324 mm)
Weight, empty	2,576 lb (1168 kg)	5,600 lb (2540 kg)	5,465 lb (2479 kg)	9,045 lb (4103 kg)	12,245 lb (5554 kg)	4,995 lb (2265 kg)
GVWR	4,500 lb (2041 kg)	10,000 lb (4536 kg)	10,000 lb (4536 kg)	18,000 lb (8172 kg)	26,000 lb (11793 kg)	14,000 lb (6350 kg)

POWER

Engine	Kohler® CH740S	Briggs & Stratton® Vanguard™	Kubota® D1105-E3B	Deutz® D2.9 L4	Deutz TD2.9L4	Briggs & Stratton® Vanguard™
Fuel	Gasoline	Gasoline	Diesel	Diesel	Diesel	Gasoline
Cooling medium	Air	Air	Water	Oil	Water	Air
Aspiration	Natural	Natural	Natural	Natural	Turbocharged	Natural
Number of cylinders	2	2	3	4	4	2
Manufacturer's gross power rating	25 hp (20.1 kW)	31 hp (23.1 kW)	24.8 hp (18.5 kW) (SAE J1995)	49 hp (36 kW)	74 hp (55 kW)	31 hp (23.1 kW)
Emissions compliance		EPA LSI/EU Stage II	EPA Tier 4/EU Stage IIIA	EPA Tier 4/EU Stage IIIA	EPA Tier 4/EU Stage IIIB	
Rated speed	3,600 rpm	3,600 rpm	3,000 rpm	2,600 rpm	2,600 rpm	3,600 rpm
Fuel tank capacity	10 gal (38 L)	6.9 gal (26.1 L)	15 gal (57 L)	25 gal (94 L)	25 gal (94 L)	6.9 gal (26.1 L)

VACUUM SYSTEM

Air flow	543 cfm (15.3 m³/min)	543 cfm (15.3 m³/min)	500 cfm (14.2 m³/min)	1,027 cfm (29.1 m³/min)	1,215 cfm (34.4 m³/min)	543 cfm (15.3 m³/min)
Vacuum, max	15 in Hg (381 mm Hg)	15 in Hg (381 mm Hg)	15 in Hg (381 mm Hg)	16 in Hg (406 mm Hg)	16 in Hg (405 mm Hg)	15 in Hg (381 mm Hg)
Vacuum tank capacity	150 gal (568 L)	500 gal (1893 L)	500/800 gal (1893/3032 L)	500*/800/1,200 gal (1893/3028/4542 L)	500*/800/1,200 gal (1893/3028/4542 L)	800 gal (3028 L)
Tank outlet valve size	4 in (102 mm)	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)
Filter type	Washable polyester	Washable polyester	Washable polyester	Washable polyester	Washable polyester	Washable polyester
Filter area	74 ft² (6.9 m²)	100 ft² (9.3 m²)	100 ft² (9.3 m²)	100 ft² (9.3 m²)	130 ft² (12 m²)	100 ft² (9.3 m²)
Suction hose	3 in (76 mm)	3 in (76 mm)	3 in or 4 in (76 mm or 102 mm)	4 in (102 mm)	4 in (102 mm)	3 in (76 mm)

WATER SYSTEM

Water tank capacity	80 gal (303 L)	80/200 gal (303/757 L)	80/200/300 gal (303/757/1136 L)	200/300/500 gal (757/1136/1893 L)	200/300/500 gal (757/1136/1893 L)	100 gal (379 L)
Water pump flow	2.6 gpm (9.8 l/min)	4 gpm (15.1 l/min)	4.2 gpm (16 l/min)	5.1 gpm (19 l/min)	5.5 gpm (20.8 l/min)	4 gpm (15.1 l/min)
Water pump pressure, max	3,000 psi (207 bar)	3,000 psi (207 bar)	3,000 psi (207 bar)	3,500 psi (241 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	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)	50 ft (15.3 m)	50 ft (15.3 m)	50 ft (15.3 m)
Hydraulic system		Gear pump	12V DC power unit	Gear pump	Gear pump	12V DC power unit

BATTERY

SAE reserve capacity rating	41 min	110 min	110 min	195 min	195 min	120 min
SAE cold crank rating @ 0°F (-18°C)	340 amps	800 amps	800 amps	950 amps	950 amps	750 amps
Electrical system	12V	12V	12V	12V	12V	12V

NOISE LEVEL

Sound power	110 dBA	110 dBA	105 dBA	110 dBA	112 dBA	109 dBA
Sound pressure	84 dBA	87 dBA	73 dBA	82 dBA	83 dBA	79 dBA

* Only available in a loose configuration.
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.



FX20 Vacuum Excavator



FX25 Vacuum Excavator



FX30 Vacuum Excavator



FX50 Vacuum Excavator



FX65 Vacuum Excavator



MV800 Mud Vacuum Excavator