



DITCH WITCH®

FX20 VACUUM EXCAVATOR

Take it downtown. Take it into residential areas, alleyways, or any other tight space. Because even if your space is limited, with the Ditch Witch FX20 vacuum excavation system, your options aren't. It's designed for a variety of small excavation and vacuum applications in areas where bigger vacs just can't go. No other compact vacuum excavation system on the market is more capable, more versatile, more portable, or more affordable.



KEY FEATURES

Triple filtration system with cyclone separator provides excellent filtration.

Skid-mounted design allows it to be transported in the back of a pickup, on a flat bed, or on a custom S4S trailer—with no CDL required.

The FX20 is built to last, utilizing many components of much larger vacs.

Belt-driven blower is reliable and easy to maintain.

FX20 0408-1

DETAILS

Exclusive non-contact water shutoff feature protects the water pump and increases reliability.

Pre-positioned spoils tank makes the dumping cycle quick and easy.

Curbside operator's console is standard; console can also be positioned on the left side of the unit for custom applications.

Powered by a 27-hp (20.1 kW) Kohler gasoline engine that's reliable and easy to maintain.

The Ditch Witch organization supports all of its products with superior-quality parts, service, and training, all available from a worldwide network of Ditch Witch dealers.

 **Ditch Witch®**
GROUNDBREAKING™

SPECIFICATIONS

FX20

DIMENSIONS, SKID PACKAGE

LENGTH
WIDTH
HEIGHT: TOP OF PRIMARY SHUTOFF
WEIGHT
DRY
SPOILS TANK FULL, WATER TANK EMPTY
SPOILS TANK EMPTY, WATER TANK FULL
SPOILS TANK FULL, WATER TANK FULL

| U.S. | METRIC |
|---------|---------|
| 109 IN | 2.77 M |
| 63 IN | 1.60 M |
| 74 IN | 1.88 M |
| 1594 LB | 723 KG |
| 2724 LB | 1236 KG |
| 2244 LB | 1018 KG |
| 3374 LB | 1530 KG |

DIMENSIONS, S4S TRAILER PACKAGE

LENGTH
WIDTH
HEIGHT: TOP OF PRIMARY SHUTOFF
WEIGHT
DRY
SPOILS TANK FULL, WATER TANK EMPTY
SPOILS TANK EMPTY, WATER TANK FULL
SPOILS TANK FULL, WATER TANK FULL
TRAILER GVWR
TONGUE WEIGHT
DRY
SPOILS TANK FULL, WATER TANK EMPTY
SPOILS TANK EMPTY, WATER TANK FULL
SPOILS TANK FULL, WATER TANK FULL
AXLE RATING (EACH)

| | |
|---------|---------|
| 174 IN | 4.42 M |
| 86 IN | 2.18 M |
| 93 IN | 2.36 M |
| 2576 LB | 1168 KG |
| 3583 LB | 1625 KG |
| 3160 LB | 1433 KG |
| 4233 LB | 1920 KG |
| 4500 LB | 2041 KG |
| 406 LB | 184 KG |
| 303 LB | 137 KG |
| 660 LB | 299 KG |
| 563 LB | 255 KG |
| 4500 LB | 2041 KG |

POWER

ENGINE
FUEL
COOLING MEDIUM
ASPIRATION
NUMBER OF CYLINDERS
DISPLACEMENT
BORE
STROKE
MANUFACTURER'S GROSS POWER RATING*
RATED SPEED
FUEL TANK CAPACITY

KOHLER CH740S
UNLEADED GASOLINE
AIR
NATURAL
2
44 CU IN 725 CC
3.27 IN 83 MM
2.64 IN 67 MM
27 HP 20.1 KW
3600 RPM 3600 RPM
10 GAL 38 L

VACUUM SYSTEM

TWO-LOBE BLOWER (CALCULATED)
DRIVE TYPE
MAXIMUM VACUUM
HOSE SIZE (STANDARD)
VACUUM TANK CAPACITY
FULL OPENING REAR DOOR DIAMETER
OUTLET VALVE SIZE
TANK INLET VALVE SIZE
TANK DUMP ANGLE (FIXED)
PRIMARY SHUTOFF (BALL TYPE)
CYCLONIC FILTER TRAP CAPACITY
FILTER TYPE
FILTER AREA
SUCTION HOSE 3"

540 CFM 15.3 M³/MIN
BELT
15 IN HG 381 MM HG
3 IN 76 MM
150 GAL 568 L
32 IN 813 MM
4 IN 102 MM
4 IN 102 MM
45° 45°
4 IN 102 MM
4.5 GAL 17 L
WASHABLE POLYESTER
74 SQ FT 6.9 M²
25 FT 7.6 M

WATER SYSTEM

WATER TANK CAPACITY
WATER PUMP FLOW
WATER PUMP PRESSURE (MAX)
PUMP CLUTCH

80 GAL 303 L
2.6 GPM 9.8 L/MIN
3000 PSI 207 BAR
ELECTRIC WITH AUTO DECLUTCH AND LOW
WATER SHUTDOWN FEATURE

ANTIFREEZE SYSTEM
HOSE LENGTH

50 FT 15.3 M

BATTERY

GROUP
SAE RESERVE CAPACITY RATING
SAE COLD CRANK RATING @ 0°F (-18°C)

12 V 12 V
41 MIN 41 MIN
340 AMPS 340 AMPS

*PER SAE J1940. SPECIFICATIONS ARE GENERAL AND SUBJECT TO CHANGE WITHOUT NOTICE. IF EXACT MEASUREMENTS ARE REQUIRED, EQUIPMENT SHOULD BE WEIGHED AND MEASURED.