

JT5 HORIZONTAL DIRECTIONAL DRILL

A red Ditch Witch JT5 tracked directional drill is shown from a rear-quarter perspective. A worker wearing a white hard hat and a high-visibility yellow safety vest is seated on the machine, which is positioned on a grassy field under a blue sky with scattered white clouds. The machine's body is bright red with black and white accents. The "JT5" model name is printed in white on a black background on the side panel, and the "Ditch Witch" logo is also visible. The machine has a large black track system for movement.

TRENCHLESS

JT5 HORIZONTAL DIRECTIONAL DRILL

1

Compact and maneuverable JT5 fits through a 36-inch (910-mm) yard gate; at 120 inches (3.1 m) long, it can be set up on the street with minimal traffic disruption.

2

Ergonomic operator's station features a stationary seat, automatic fluid shutoff control and easy visibility of the remote display.

8

Hood removes easily for access to engine and service points.

7

Field-proven rack-and-pinion thrust drive designed for low maintenance and reliability.

6

Convenient, electrically operated lubrication system helps maximize the life of pipe joints and increase productivity.





3

Specially designed drill pipe has aggressive bend radius so you can successfully install utilities around structures.

4

Heavy-duty anchor system keeps the JT5 secure during operation, reduces wear on pipe threads and enables better alignment of pipe during makeup.

5

Open-top vise wrenches are designed to center the pipe better every time and provide an excellent view of the tool joint.



Experience built the **Ditch Witch®** **JT5 Horizontal Directional Drill**. With input from our customers and their many years of experience installing utilities on tight jobsites, our engineers developed the ideal compact rig with the right amount of thrust and pullback for shallow installations of cable, fiber and water systems up to 150 feet in length (46 m) beneath roads, driveways, sidewalks, sensitive landscaping, and other surface obstacles. The JT5 is a true team effort.

WE'RE IN THIS TOGETHER.



JT5 HORIZONTAL DIRECTIONAL DRILL SPECIFICATIONS

| | U.S. | METRIC |
|-----------------------------------|-----------|-----------|
| OPERATION | | |
| Spindle speed, max | 195 rpm | |
| Spindle torque, max | 550 ft-lb | 746 N-m |
| Carriage thrust travel speed | 130 fpm | 40 m/min |
| Carriage pullback travel speed | 130 fpm | 40 m/min |
| Thrust force | 4,100 lb | 18.2 kN |
| Pullback force | 5,000 lb | 22.2 kN |
| Bore diameter | 2.5 in | 63.5 mm |
| Backream diameter, soil dependent | 4.5 in | 114 mm |
| Ground travel speed | | |
| Forward/reverse | 1.53 mph | 2.46 km/h |

| | | |
|-----------------------------------|----------------------|---------|
| POWER | | |
| Engine | Kubota® D1105 | |
| Fuel | Diesel | |
| Cooling medium | Liquid | |
| Injection | Indirect | |
| Aspiration | Natural | |
| Number of cylinders | 3 | |
| Displacement | 68.6 in ³ | 1.12 L |
| Bore | 3.07 in | 78 mm |
| Stroke | 3.09 in | 78.5 mm |
| Manufacturer's gross power rating | 24.8 hp | 18.5 kW |
| Rated speed | 3,000 rpm | |
| Emissions compliance | EPA Tier 4 | |

| | U.S. | METRIC |
|--------------------|----------|---------|
| DIMENSIONS | | |
| Length | 120 in | 3.1 m |
| Width | 35.9 in | 91.2 cm |
| Height | 70 in | 1.78 m |
| Weight | 3,690 lb | 1674 kg |
| Entry angle | 10-16° | |
| Angle of approach | 18° | |
| Angle of departure | 18° | |

| DRILLING FLUID SYSTEM (ONBOARD) | | |
|--|---------|------------|
| Pressure, max | 750 psi | 51.7 bar |
| Flow, max | 5 gpm | 18.9 l/min |

| FLUID CAPACITIES | | |
|-------------------------|--------|------|
| Hydraulic reservoir | 8 gal | 30 L |
| Fuel tank | 13 gal | 49 L |

| UFE DRILL PIPE | | |
|--|---------|---------|
| Length of drill pipe, nominal | 59 in | 1.5 m |
| Diameter of drill pipe, tool joint end | 1.88 in | 47.8 mm |
| Diameter of drill pipe | 1.1 in | 28 mm |
| Bend radius, min | 70 ft | 21.3 m |
| Weight of drill pipe | 16 lb | 7.25 kg |

| BATTERY | | |
|-------------------------------------|----------|--|
| SAE reserve capacity rating | 85 min | |
| SAE cold crank rating @ 0°F (-18°C) | 525 amps | |

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.

THE DITCH WITCH® HDD SYSTEM INCLUDES:



HDD TOOLING

Genuine Ditch Witch drill bits, backreamers, drill pipe, and beacon housings provide superior performance and maximum productivity.



MUD MIXERS

Our fluid-management systems include the FM5, which is simple, easy to transport and offers multiple configuration options.



DEALER SERVICE AND SUPPORT

Get the best new or used equipment, parts, service, financing, or all of the above.