

# 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 number 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. A black control panel is visible on the right side of the operator's seat.

**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
<b>OPERATION</b>		
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

<b>POWER</b>		
Engine	Kubota® D1105	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Indirect	
Aspiration	Natural	
Number of cylinders	3	
Displacement	68.6 in <sup>3</sup>	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
<b>DIMENSIONS</b>		
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°	

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

<b>FLUID CAPACITIES</b>		
Hydraulic reservoir	8 gal	30 L
Fuel tank	13 gal	49 L

<b>UFE DRILL PIPE</b>		
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

<b>BATTERY</b>		
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.