

# JT25 HORIZONTAL DIRECTIONAL DRILL

**TRENCHLESS**



# JT25 HORIZONTAL DIRECTIONAL DRILL

Simple, durable and customer-driven design results in greater uptime.

2

Daily maintenance points in one easy-to-access location, and no grease zerks, minimizing upkeep and downtime.

3

Streamlined engine enclosure helps make the JT25 one of the quietest in its horsepower class, for greater operator comfort.

1

Rear hood provides easy access to mud pump and antifreeze tank, for easier servicing.

4

130-hp (97-kW) Tier 4 Cummins® diesel engine is the most powerful in its class.

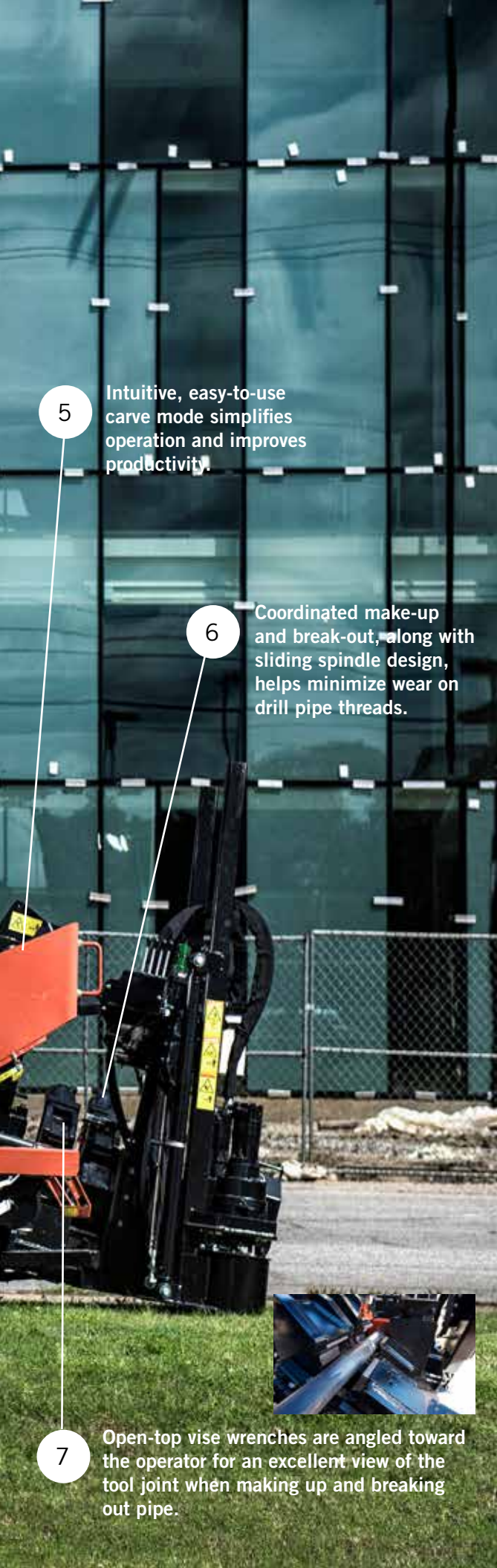
9

Narrower operational width than competitors' models, for greater maneuverability and productivity in tight spaces.

8

SaverLok® System provides the tightest connection and best protection against wear and tear on the drill pipe and drive system; easy to install and replace, requiring no special tools.





5

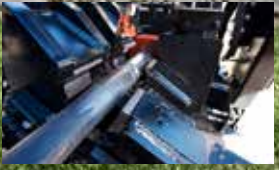
Intuitive, easy-to-use carve mode simplifies operation and improves productivity.

6

Coordinated make-up and break-out, along with sliding spindle design, helps minimize wear on drill pipe threads.

7

Open-top vise wrenches are angled toward the operator for an excellent view of the tool joint when making up and breaking out pipe.



The Ditch Witch® **JT25 Horizontal Directional Drill** features a two-speed thrust drive and an exclusive rotational drive with 4,000 ft-lb (5420 N·m) of torque and 27,000 pounds of thrust and pullback—a powerful package for efficient installation of utility pipe and cables. Even with all of its power, the JT25 is a remarkably quiet and stable midsize drill. And its streamlined, low-maintenance design means more uptime with less upkeep. Simple, stable, durable, powerful, and ultra-reliable—the JT25 is your new workhorse.

**WE'RE IN THIS TOGETHER.**



# JT25 HORIZONTAL DIRECTIONAL DRILL

1

Heavy-duty stakedown system allows you to push or pull with full machine thrust and remain secure in virtually any drilling condition.

2

Field-proven pipeloading system with a lower center of gravity helps increase stability.

**Ditch Witch®**

8

Dual-pivot drill frame allows steeper entry angles without raising tracks off the ground.



3

Exclusive rotational drive with 4,000 ft-lb (5420 N·m) of torque; unique, single-motor system results in smoother operation and greater uptime.

4

27,000 lb (120 kN) of thrust and pullback provides the power to efficiently get the job done and move on to the next.

5

One-piece, single-sided rack-and-pinion is bolt-on and replaceable.

7

Dual rear independent stabilizers are easy to set up and enhance stability.

6

Optional wireless remote ground drive increases flexibility when moving the rig and allows fine-tuning of bore path placement.



**WE CALL IT A DRILL.  
YOU CALL IT YOUR GO-TO MONEYSMAKER.**



**A comfortable operator is a more productive operator, which is why we've equipped the JT25 Horizontal Directional Drill operator's station with a cutting-edge design. It features:**

- Choice of single-handled control or dual joysticks for easy control of thrust and rotation.
- Excellent view of the tool joint when making up and breaking out pipe; open-top vise wrenches are angled toward the operator.
- Exceptionally comfortable, new supportive seat design with high armrests.
- LCD display provides engine diagnostics and informational messages.
- Optional climate-controlled cab, for maximum comfort and productivity in any weather condition.

# JT25 HORIZONTAL DIRECTIONAL DRILL SPECIFICATIONS

	U.S.	METRIC
<b>OPERATION</b>		
Spindle speed, max	220 rpm	
Spindle torque, max	4,000 ft-lb	5420 N-m
Carriage thrust travel speed	182 fpm	55 m/min
Carriage pullback travel speed	190 fpm	58 m/min
Thrust force	27,000 lb	120 kN
Pullback force	27,000 lb	120 kN
Ground travel speed		
Forward	2.8 mph	4.6 km/h
Reverse	2.8 mph	4.6 km/h

<b>POWER</b>		
Engine	Cummins® QSB4.5	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged & charge air cooled	
Number of cylinders	4	
Displacement	275 in <sup>3</sup>	4.5 L
Bore	4.21 in	107 mm
Stroke	4.88 in	124 mm
Gross horsepower Tier 3/Tier 4	130 hp	97 kW
Rated speed Tier 3/Tier 4	2,500 rpm	
Emissions compliance Tier 3	EPA Tier 3	EU Stage IIIA
Emissions compliance Tier 4	EPA Tier 4	EU Stage IV

<b>DIMENSIONS (*FULL RACK, 55 PIPE)</b>		
Transport length	232.5 in	5.9 m
Width	87 in	2.21 m
Width w/cab	87 in	2.21 m
Transport height	93 in	2.36 m
Transport height w/cab	99.5 in	2.53 m
Weight	20,760 lb	9417 kg
Weight w/cab	21,360 lb	9689 kg
Ground clearance	5.7 in	145 mm
Entry angle	9-20°	
Entry angle, tracks on ground	9-17°	

	U.S.	METRIC
<b>DRILLING FLUID SYSTEM (ON BOARD)</b>		
Pressure, max	1,200 psi	83 bar
Flow, max	50 gpm	189 l/min

<b>FLUID CAPACITIES</b>		
Fuel tank	48 gal	182 L
Engine lubrication oil w/filter	13.7 qt	13 L
Hydraulic reservoir	27 gal	102 L
Engine cooling system	24 qt	22.7 L
Antifreeze tank	8 gal	30 L
Diesel exhaust fluid tank	5 gal	18.9 L

<b>POWER PIPE® HD</b>		
Length	118 in	3 m
Joint diameter	2.75 in	70 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	123 ft	37.5 m
Weight of drill pipe, lined	88 lb	40 kg
Weight of lined drill pipe & large box (55 pipe)	5,647 lb	2562 kg
Weight of lined drill pipe & small box (25 pipe)	2,770 lb	1154 kg

<b>POWER PIPE FORGED</b>		
Length	120 in	3.05 m
Joint diameter	2.63 in	66.7 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	108.2 ft	33 m
Weight per drill pipe, forged	73 lb	33 kg
Weight w/drill pipe & large box (55 pipe)	4,522 lb	2187 kg
Weight w/drill pipe & small box (25 pipe)	2,395 lb	1086 kg

<b>BATTERY (2 USED)</b>		
SAE reserve capacity rating	195 min	
SAE cold crank rating @ 0°F (-18°F)	950 amps	

<b>NOISE LEVEL</b>		
Operator sound	86 dBA	
Operator sound w/cab	80 dBA	
Exterior sound power	104 dBA	

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

For your directional drill, we offer a complete line of genuine Ditch Witch drill bits, HD backreamers, drill pipe, and beacon housings, the most reliable and durable in the horizontal directional drilling industry.



### MUD MIXERS

Ditch Witch fluid-management systems include the innovative FM13V, a fluid-mixing system that features a pump that lubricates itself during mixing and works so efficiently that it delivers 20 percent more fluid than other models.



### VACUUM EXCAVATORS

Ditch Witch vacuum excavators are designed for a tremendous range of soft-excitation and cleanup tasks, including all manner of non-hazardous spills in and around the directional drilling jobsite. They're the most powerful, efficient and quiet vac systems on the market.

