



# JT30 HORIZONTAL DIRECTIONAL DRILL



**TRENCHLESS**

# JT30 HORIZONTAL DIRECTIONAL DRILL



1 Exclusive dual-pivot drill frame allows steep entry angles without raising tracks off the ground.

2 160-gross-hp (119-kW), Tier 4i engine is the most powerful in its class; full power to all machine functions greatly enhances productivity.

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

4 Advanced electronic system features improved diagnostics and electronic functions, including a larger display and rugged, marine-grade switches.

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

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

9 Easy access to all service points in the engine and mud pump.

8 Exclusive assisted makeup and breakout feature saves wear on pipe threads and reduces operator fatigue.

7 Field-proven, heavy-duty rack and pinion thrust drive; welded-on double rack offers minimum maintenance and maximum reliability.

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



The Ditch Witch® JT30 Horizontal Directional Drill is your total drill solution. It offers up to 35 more horsepower than the competition and is the quietest drill in its class—all as a direct result of listening to our customers. We took feedback from years of experience in all types of job conditions and incorporated it into an innovative, industry-leading design. You asked for it, and the JT30 delivers.

**WE'RE IN THIS TOGETHER.**



# JT30 HORIZONTAL DIRECTIONAL DRILL SPECIFICATIONS

	U.S.	METRIC
<b>OPERATION</b>		
Spindle speed, max	225 rpm	
Spindle torque, max	4,000 ft-lb	5420 N-m
Carriage thrust travel speed	120 fpm	37 m/min
Carriage pullback travel speed	120 fpm	37 m/min
Thrust force	24,800 lb	110 kN
Pullback force	30,000 lb	133 kN
Ground travel speed		
Forward	2.4 mph	3.9 km/h
Reverse	2.2 mph	3.5 km/h
<b>POWER (TIER 4i)</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
Manufacturer's gross power rating	160 hp	119 kW
Rated speed	2,300 rpm	
<b>DIMENSIONS</b>		
Transport length	221 in	5.61 m
Width	80 in	2.03 m
Width, w/cab	89 in	2.26 m
Transport height	94 in	2.39 m
Operating weight	17,075 lb	7750 kg
Operating weight, w/cab	17,975 lb	8153 kg
Entry angle	10-16°	
Angle of approach	19°	
Angle of approach, w/cab	15°	
Angle of departure	18°	

	U.S.	METRIC
<b>DRILLING FLUID SYSTEM</b>		
Pressure, max	1,500 psi	103 bar
Flow, max	50 gpm	189 l/min
<b>FLUID CAPACITIES</b>		
Hydraulic reservoir	27 gal	102 L
Fuel tank	42 gal	159 L
Engine lubrication oil w/filter	12 qt	11 L
Engine cooling system	23 qt	22 L
Antifreeze tank	8 gal	30 L
<b>POWER PIPE®</b>		
Length	118 in	3 m
Joint diameter	3 in	76 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	155 ft	47 m
Weight of drill pipe, lined	88 lb	39 kg
Weight of drill pipe & large box (48 pipe)	5,500 lb	2500 kg
Weight of drill pipe & small box (24 pipe)	3,200 lb	1450 kg
<b>POWER PIPE FORGED</b>		
Length	118 in	3 m
Joint diameter	2.61 in	66 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	155 ft	47 m
Weight of drill pipe	73 lb	33 kg
<b>BATTERY</b>		
SAE reserve capacity rating	195 min	
SAE cold crank rating @ 0°F (-18°C)	950 amps	
<b>NOISE LEVEL</b>		
Operator sound	85 dBA	
Operator sound w/cab	85 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

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



### ELECTRONICS

Before you dig, you must know what's below. After you call 811 to locate the buried utility, use a Ditch Witch locating system to verify the locate.