

JT30 HORIZONTAL DIRECTIONAL DRILL SPECIFICATIONS



	U.S.	METRIC		U.S.	METRIC
OPERATION			DIMENSIONS		
Spindle speed, max	225 rpm		Transport length	221 in	5.61 m
Spindle torque, max	4,000 ft-lb	5420 N-m	Width	80 in	2.03 m
Carriage thrust travel speed	120 fpm	37 m/min	Width, w/cab	89 in	2.26 m
Carriage pullback travel speed	120 fpm	37 m/min	Transport height	94 in	2.39 m
Thrust force	24,800 lb	110 kN	Operating weight	17,080 lb	7747 kg
Pullback force	30,000 lb	133 kN	Operating weight, w/cab	17,975 lb	8153 kg
Ground travel speed			Entry angle	10-16°	
Forward/reverse	2.4 mph	3.9 km/h	Angle of approach	19°	
POWER (TIER 3) (LRC)			Angle of approach, w/cab	15°	
Engine	Cummins® QSB4.5		Angle of departure	18°	
Fuel	Diesel		DRILLING FLUID SYSTEM		
Cooling medium	Liquid		Pressure, max	1,500 psi	103 bar
Injection	Direct		Flow, max	50 gpm	189 l/min
Aspiration	Turbocharged & charge air cooled		FLUID CAPACITIES		
Number of cylinders	4		Hydraulic reservoir	27 gal	102 L
Displacement	275 in ³	4.5 L	Fuel tank	48 gal	182 L
Bore	4.21 in	107 mm	Engine lubrication oil w/ filter	13.7 qt	13 L
Stroke	4.88 in	124 mm	Engine cooling system	24 qt	22.7 L
Manufacturer's gross power rating	148 hp	110 kW	Antifreeze tank	8 gal	30 L
Rated speed	2,300 rpm		Diesel exhaust fluid tank	5 gal	18.9 L
Emissions compliance	EPA Tier 3	EU Stage IIIA	POWER PIPE® HD		
POWER (TIER 4)			Length	118 in	3 m
Engine	Cummins QSB4.5		Joint diameter	2.75 in	70 mm
Fuel	Diesel		Pipe diameter	2.38 in	60 mm
Cooling medium	Liquid		Bend radius, min	123 ft	37.5 m
Injection	Direct		Weight of drill pipe, lined	88 lb	39 kg
Aspiration	Turbocharged & charge air cooled		Weight of drill pipe & large box (48 pipe)	5,204 lb	2361 kg
Number of cylinders	4		Weight of drill pipe & small box (24 pipe)	2,897 lb	1314 kg
Displacement	275 in ³	4.5 L	POWER PIPE FORGED		
Bore	4.21 in	107 mm	Length	120 in	3.05 m
Stroke	4.88 in	124 mm	Joint diameter	2.63 in	66.7 mm
Manufacturer's gross power rating	160 hp	119 kW	Pipe diameter	2.38 in	60 mm
Rated speed	2,300 rpm		Bend radius, min	108.2 ft	33 m
Emissions compliance	EPA Tier 4	EU Stage IV	Weight of drill pipe	73 lb	33 kg
			BATTERY		
			SAE reserve capacity rating	195 min	
			SAE cold crank rating @ 0°F (-18°C)	950 amps	
			NOISE LEVEL		
			Operator sound	86 dBA	
			Operator sound w/cab	83 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.

JT30 HORIZONTAL DIRECTIONAL DRILL



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.

TRENCHLESS



JT30 HORIZONTAL DIRECTIONAL DRILL

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

3 160-gross-hp (119-kW), Tier 4 engine is the most powerful in its class; full power to all machine functions greatly enhances productivity. 148-gross-hp (110-kW) Tier 3 engine also available.

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

6 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.

1 Dual independent rear stabilizers are easy to set up and enhance stability on uneven or rough terrain.

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.

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

8 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.

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

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

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

