JT32

HORIZONTAL DIRECTIONAL DRILL



Ditch Witch®

JT32

Bursting at the seams with power, the JT32 is the next generation of drilling, putting performance and strength into a sleek package. Plus, operator-focused innovations allow for easier system operation and the ability to always finish the job—no matter what might stand in your way.

1 32,000 lbs (142 kN) of thrust and pullback provide the power for efficient installation through tough soils.

2 155 hp (115 kW) Cummins® B4.5 Stage V diesel engine brings full power to all machine functions.

3 Equipped with swing-out, lift-off service doors for easy machine maintenance and serviceability.

4 A heavy-duty anchor system securely holds operator position for more precise control in all soil conditions.

5 Patented open-sided vise wrenches are rotated toward the operator, enhancing visibility.



6 At 256.5 in (96.5 m), whether towing, mobiling or drilling, the compact footprint of the JT32 allows operators to maneuver urban jobsites with confidence.



OPERATOR'S STATION

1 Features the choice of a fully retractable climate-controlled cab with tinted glass or an open operator's station to meet each customer's individual needs.

2 Ergonomic station was designed specifically for an HDD operator, featuring a heated seat with adjustable suspension, increased legroom and two LED screens for better visibility to all machine functions, diagnostics and bore tracking information.

3 Industry-leading visibility allows for the best view to all critical vision points, including ground entrance, wrenches, shuttle-retract location and rear connection.

4 Real-time carriage-position indicator provides operators insight to the exact carriage position for increased productivity and intuitive operation.

JT32

1 On JT32 configurations, 1,200 ft·lbs (1627 N·m) of inner rotational torque allows for greater efficiency and better production in hard formations.

2 The JT32 has increased drill pipe capacity, now allowing 600 ft (182.9 m) of dirt pipe with reversible pipe box onboard, increasing productivity.

3 Patented "slide cartridge" provides backup for the carriage rollers, allowing operators to complete a job without stopping to replace failed rollers.



5 Unique "add-a-pipe" design allows operators to manually insert additional pipe, improving productivity.

4 A 70 gpm (265 l/min) fluid pump supplies drilling fluid for better productivity downhole.

6 An integrated wireless remote control gives operators the ability to set up the rig outside of the cab, allowing more precise positioning of the unit on the job.

Controller includes multi-mode ground drive, dual independent stabilizers, stake down, cab traverse and dual pivot.



JT32 DIRECTIONAL DRILL SPECIFICATIONS

OPERATION	U.S.	METRIC
Carriage thrust travel speed	190 fpm	58 m/min
Carriage pullback travel speed	190 fpm	58 m/min
Thrust force	32,000 lb	142 kN
Pullback force	32,000 lb	142 kN
Ground travel speed		
Forward	2.8 mph	4.6 km/h
Reverse	2.8 mph	4.6 km/h
Spindle speed, max	220 rpm	
Spindle torque, max	4,200 ft-lbs	5694 N·m

ALL TERRAIN		
Spindle speed, max (AT inner spindle)	280 rpm	
Spindle torque, max (AT inner spindle)	1,200 ft-lbs	1627 N-m

POWER		
Engine	Cummins® 4.5	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged & charge air cooled	
Number of cylinders	4	
Displacement	275 in^3	4.5 L
Bore	4.21 in	107 mm
Stroke	4.88 in	124 mm
Manufacturer's gross power rating	155 hp	115 kW
Rated speed Tier 3/Tier 4	2,200 rpm	2,200 rpm
Emissions compliance	EPA Tier 4	EU Stage V

DIMENSIONS		
Length	256.5 in	6.5 m
Width w/cab	89.3 in	2.3 m
Height w/cab	97 in	2.5 m
Weight w/cab and pipe* *Power pipe HD, large box	25,035 lb	11356 kg
Ground clearance	5.7 in	144.8 mm
Entry angle, max	9°-20°	9°-20°
Entry angle, tracks on ground	9°-17°	9°-17°

DRILLING FLUID SYSTEM (ONBOARD)		
Pressure, max	1,000 psi	69 bar
Flow, max	70 gpm	265 l/min

FLUID CAPACITIES		
Fuel tank, Tier 4	54 gal	204 L
Hydraulic reservoir	17 gal	64 L

POWER PIPE® HD	U.S.	METRIC
Length	118.1 in	3 m
Joint diameter	2.75 in	70 mm
Pipe diameter	2.38 in	60 mm
Bend radius	123 ft	37.5 m
Weight of drill pipe, lined	84 lb	38.1 kg
Weight of lined drill pipe & large box (60 pipe)	5,860 lb	2658 kg
Weight of lined drill pipe & small box (25 pipe)	2,799 lb	1270 kg

FORGED HDX		
Length	118.1 in	3.0 m
Joint diameter	2.63 in	67 mm
Pipe diameter	2.38 in	60 mm
Bend radius, min	123 ft	37.5 m
Weight of drill pipe, lined	74 lb	33.6 kg
Weight w/drill pipe & large box (60 pipe)	5,260 lb	2386 kg
Weight w/drill pipe & small box (25 pipe)	2,549 lb	1156 kg

POWER PIPE FORGED HD		
Length of drill pipe * nominal	118.1 in	3.0 m
Diameter of drill pipe tool joint end	2.75 in	70 mm
Diameter of drill pipe	2.38 in	60 mm
Min. bend radius	123 ft	37.5 m
Weight of drill pipe	76 lb	34.5 kg
Weight of lined drill pipe & large box (60 pipe)	5,380 lb	2440 kg
Weight of lined drill pipe & small box (25 pipe)	2,599 lb	1179 kg

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

NOISE LEVEL	
Operator sound pressure per ISO 6396 (w/ Cab)	< or = 72 dBA
Operator sound pressure per ISO 6396 (open station)	< or = 78 dBA
Exterior sound power per ISO 6395	< or = 96 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. *Stability claim based on lab test of competitive equipment.



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.



ELECTRONICS

Subsite® Electronics HDD Guidance systems and our exclusive Field Scout™ Mobile application give you a clear plan, more control and faster reporting for safer, more productive jobs. By maximizing your time in the operator's seat, minimizing possible downtime due to underground strikes, and making the entire process from planning to reporting more efficient, Subsite Electronics HDD Guidance solutions help boost your bottom line.



VACUUM EXCAVATORS

Featuring an innovative, low-profile design that doesn't sacrifice power or ground clearance, our hydro excavation line of vacs delivers unrivaled versatility and performance.



TRAINING

Your Ditch Witch HDD system comes with more than just equipment. It comes with the training to keep your crews confident and efficient, with courses online, in the classroom and even on the job from certified industry pros.

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