THE CONNER GROUP

AUGERS / BUCKETS / HD DRILLS / SPLICING / COW

Unit Specifications

Ditch Witch JT20

HDD

Machine Specifications

- **Ditch Witch JT20 packs plenty of power into a compact size, the Ditch Witch JT20 helps you work faster so you can tackle more jobs. More productivity. More profits.**
- **The JT20 features an enhanced cooling system for improved airflow and increases usable horsepower for maximized down hole efficiency.**
- **Compact size offers greater productivity and maneuverability on job sites. Dual rear independent stabilizers enhance stability on uneven terrain**
- **ALL DIRECTIONAL DRILLS ARE A MINIMUM *3 MONTH RENTAL***

Engine / Power Specs

- **Rack-and-pinion design offers 20,000lbs of pullback force for outstanding performance on a wide range of underground installations.**
- **Turbocharged with a 74.5-hp Tier-4 compliant Deutz diesel engine, the JT20 requires no after-treatment.**

Disclaimer: The specifications provided in this spec sheet are general and may vary in the delivered unit. It is advisable to verify specifications with your salesman at the time of the order to ensure accuracy.

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JT20 DIRECTIONAL DRILL

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OPERATION	U.S.	METRIC
Spindle speed, max	210 rpm	
Spindle torque, max	2,200 ft·lb	2980 N·m
Carriage thrust travel speed	140 fpm	43 m/min
Carriage thrust pullback travel speed	140 fpm	43 m/min
Thrust force	17,000 lb	75.6 kN
Pullback force	20,000 lb	89 kN
Bore diameter	4 in	102 mm
Ground travel speed		
Forward/reverse	3.2 mph	5.2 km/h

POWER (TIER 4) (HRC)

Engine	Deutz® TD2.9L4	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged	
Number of cylinders	4	
Displacement	177 in^3	2.9 L
Bore	3.62 in	92 mm
Stroke	4.33 in	110 mm
Manufacturer's gross power rating	74 hp	55 kW
Rated speed	2,600 rpm	
Emissions compliance	EPA Tier 4	EU Stage IIIB

POWER (TIER 4I) (LRC)

Engine	Deutz TD2.9L4	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged	
Number of cylinders	4	
Displacement	177 in^3	2.9 L
Bore	3.62 in	92 mm
Stroke	4.33 in	110 mm
Manufacturer's gross power rating	74 hp	55 kW
Rated speed	2,600 rpm	
Emissions compliance	EPA Tier 4i	EU Stage IIIA

DIMENSIONS	U.S.	METRIC
Length	207 in	5.26 m
Width	51.5 in	1.31 m
Height	90 in	2.29 m
Weight w/pipe	11,890 lb	5390 kg
Entry angle	10-14°	
Angle of approach	18°	
Angle of departure	18°	

DRILLING FLUID SYSTEM (ONBOARD)

Pressure, max	1,000 psi	69 bar
Flow, max	35 gpm	132 l/min

FLUID CAPACITIES

Hydraulic reservoir	19 gal	72 L
Fuel tank	30 gal	114 L
Engine oil w/filter	8.5 qt	8 L
Engine cooling system	4.6 gal	17 L

POWER PIPE® HD

Length of drill pipe, nominal	120 in	3.05 m
Diameter of drill pipe, tool joint end	2.63 in	66.8 mm
Diameter of drill pipe	2.06 in	52.3 mm
Bend radius, min	107 ft	32 m
Weight of drill pipe, lined	67 lb	30.4 kg

POWER PIPE FORGED HD

Length	120 in	3.05 m
Diameter of drill pipe, tool joint end	2.5 in	63.5 mm
Diameter of drill pipe	2.10 in	53.3 mm
Bend radius, min	109 ft	33.2 m

POWER PIPE FORGED HDX

Length	120 in	3.05 m
Diameter of tool joint	2.63 in	66.8 mm
Diameter of drill pipe	2.38 in	60.5 mm
Bend radius, min	123 ft	37.5 m

BATTERY

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

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