

JT5 HORIZONTAL DIRECTIONAL DRILL

OPERATION

	U.S.	METRIC
Spindle speed, max	195 rpm	
Spindle torque, max	550 ft-lb	746 N-m
Carriage thrust travel speed	130 fpm	40 m/min
Carriage pullback travel speed	130 fpm	40 m/min
Thrust force	4,100 lb	18.2 kN
Pullback force	5,000 lb	22.2 kN
Bore diameter	2.5 in	63.5 mm
Backream diameter, soil dependent	4.5 in	114 mm
Ground travel speed		
Forward/reverse	1.53 mph	2.46 km/h

POWER

Engine	Kubota® D1105	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Indirect	
Aspiration	Natural	
Number of cylinders	3	
Displacement	68.6 in ³	1.12 L
Bore	3.07 in	78 mm
Stroke	3.09 in	78.5 mm
Manufacturer's gross power rating	24.8 hp	18.5 kW
Rated speed	3,000 rpm	
Emissions compliance Tier 4	EPA Tier 4	

DIMENSIONS

	U.S.	METRIC
Length	120 in	3.1 m
Width	35.9 in	91.2 cm
Height	70 in	1.78 m
Weight	3,690 lb	1674 kg
Entry angle	10-16°	
Angle of approach	18°	
Angle of departure	18°	

DRILLING FLUID SYSTEM (ONBOARD)

Pressure, max	750 psi	51.7 bar
Flow, max	5 gpm	18.9 l/min

FLUID CAPACITIES

Hydraulic reservoir	8 gal	30 L
Fuel tank	13 gal	49 L

POWER PIPE® HD

Length of drill pipe, nominal	59 in	1.5 m
Diameter of drill pipe, tool joint end	1.88 in	47.8 mm
Diameter of drill pipe	1.13 in	28.7 mm
Bend radius, min	70 ft	21.3 m
Weight of drill pipe	16 lb	7.25 kg

BATTERY

SAE reserve capacity rating	85 min	
SAE cold crank rating @ 0°F (-18°C)	525 amps	

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.



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.



DEALER SERVICE AND SUPPORT

Get the best new or used equipment, parts, service, financing, or all of the above.



MUD MIXERS

Our fluid-management systems include the FM5X, which is simple, easy to transport and offers multiple configuration options.

