

# JT10 DIRECTIONAL DRILL SPECIFICATIONS

## OPERATION

	U.S.	METRIC
Spindle speed, max	186 rpm	
Spindle torque, max	1,100 ft-lb	1491 N-m
Thrust force	9,000 lb	40 kN
Pullback force	10,000 lb	45 kN
Bore diameter, min	3 in	76 mm
Ground travel speed		
Forward	2.3 mph	3.7 km/hr
Reverse	1.5 mph	2.4 km/hr

## POWER (TIER 4)

Engine	Deutz® TD2.9	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged	
Number of cylinders	4	
Displacement	199 in <sup>3</sup>	3.3 L
Bore	3.7 in	95 mm
Stroke	4.5 in	115 mm
Manufacturer's gross power rating	66 hp	49 kW
Rated speed	2,200 rpm	
Emissions compliance	EPA Tier 4	EU Stage IIIB

## POWER (TIER 4i) (LRC)

Engine	Deutz D2011L04i	
Fuel	Diesel	
Cooling medium	Integrated oil	
Injection	Direct	
Aspiration	Natural	
Number of cylinders	4	
Displacement	189 in <sup>3</sup>	3.1 L
Bore	3.7 in	94 mm
Stroke	4.4 in	112 mm
Manufacturer's gross power rating	53.5 hp	39.9 kW
Rated speed	2,300 rpm	
Emissions compliance	EPA Tier 4i	EU Stage IIIA

## DIMENSIONS

	U.S.	METRIC
Height	74 in	1.9 m
Length	146 in	3.7 m
Width	48 in	1.2 m
Operating weight (w/50 pipe) T4	7,380 lb	3350 kg
Operating weight (w/50 pipe) T4i	7,100 lb	3220 kg
Entry angle	10-14°	
Angle of approach	18°	
Angle of departure	18°	

## DRILLING FLUID SYSTEM (ON BOARD)

20 gpm pump		
Pressure, max	1,200 psi	83 bar
Flow, max	20 gpm	76 l/min
Fluid tank capacity	8 gal	30.28 L
16 gpm pump		
Pressure, max	750 psi	52 bar
Flow, max	16 gpm	60.57 l/min
Fluid tank capacity	40 gal	151 L

## FLUID CAPACITIES

Hydraulic reservoir	23 gal	87 L
Fuel tank	18 gal	68 L

## POWER PIPE® HD

Length of drill pipe, nominal	72 in	1.8 m
Diameter of drill pipe, tool joint end	2 in	51 mm
Diameter of drill pipe	1.6 in	40 mm
Bend radius, min	82 ft	25 m
Weight of drill pipe, lined	29 lb	13 kg

## BATTERY (TIER 4)

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

## BATTERY (TIER 4i)

SAE reserve capacity rating	165 min
SAE cold crank rating @ 0°F (-18°C)	875 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.

