



## SPECIFICATIONS, JT9

	U.S.	METRIC
<b>OPERATION</b>		
Spindle speed, max	186 rpm	
Spindle torque, max	1,100 ft-lb	1491 N-m
Thrust force	9,000 lb	40 kN
Pullback force	9,000 lb	40 kN
Thrust travel speed	188 fpm	57 m/min
Pullback travel speed	188 fpm	57 m/min
Bore diameter, min	3 in	76 mm
Backreamer diameter	Soil dependent	
Ground travel speed		
Forward/reverse	2.3 mph	3.7 km/hr
<b>POWER (TIER 4)</b>		
Engine	Deutz® TD2.9	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbo charged	
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
Gross power rating	66 hp	49 kW
Rated speed	2,300 rpm	
Emissions compliance	EPA Tier 4	EU Stage IV
<b>POWER (TIER 4i)</b>		
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
Gross power rating	66 hp	49 kW
Rated speed	2,300 rpm	

	U.S.	METRIC
<b>DIMENSIONS</b>		
Height	74 in	1.9 m
Length	146 in	3.7 m
Width	48 in	1.2 m
Entry angle	10-14°	
Angle of approach	18°	
Angle of departure	18°	
Operating mass, water tank full, 50 drill pipe (per SAE J2022)	7,050 lb	3200 kg
Operating mass, water tank empty, 50 drill pipe	6,700 lb	3040 kg
<b>DRILLING FLUID SYSTEM (ON BOARD)</b>		
Drill fluid flow, max	13 gpm	49.2 l/min
Drilling fluid pressure, max	750 psi	52 bar
<b>FLUID CAPACITIES</b>		
Fuel tank	19 gal	72 L
Hydraulic reservoir	18 gal	68 L
<b>POWER PIPE®</b>		
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	105 ft	32 m
Weight of drill pipe, lined	29 lb	13 kg
<b>BATTERY (TIER 4)</b>		
SAE reserve capacity rating	195 min	
SAE cold crank rating @ 0°F (-18°C)	950 amps	
<b>BATTERY (TIER 4i)</b>		
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.