

SPECIFICATIONS, JT100 MACH 1

	U.S.	METRIC
OPERATION		
Spindle speed, max	210 rpm	
Spindle torque, max	12,000 ft·lb	16300 N·m
Carriage thrust travel speed	150 fpm	46 m/min
Carriage pullback travel speed	150 fpm	46 m/min
Thrust force	70,000 lb	311 kn
Pullback force	100,000 lb	445 kn
Bore diameter	6 in	152 mm
Backream diameter	Soil dependent	
Ground travel speed		
Forward/reverse	3.6 mph	5.8 km/h
POWER		
Engine	Deutz® TCD2013L6	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged & charge air cooled	
Number of cylinders	6	
Displacement	436 in ³	7.15 L
Bore	4.25 in	108 mm
Stroke	5.1 in	130 mm
Manufacturer's gross power rating	268 hp	200 kW
Rated speed	2,300 rpm	
Emissions compliance	EPA Tier 3	EU Stage IIIA

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.

	U.S.	METRIC
DIMENSIONS (*FULL RACK)		
Length	368 in	9.35 m
Width	101 in	2.57 m
Height	110 in	2.79 m
Weight*	45,300 lb	20500 kg
Entry angle	10-15°	
Angle of approach	13°	
Angle of departure	17°	
DRILLING FLUID SYSTEM (ON BOARD)		
Drilling fluid pressure, max	1,000 psi	69 bar
Drilling fluid flow, max	230 gpm	870 l/min
FLUID CAPACITIES		
Hydraulic reservoir	47 gal	180 L
Fuel tank	97 gal	370 L
POWER PIPE®		
Length of drill pipe, nominal	177 in	4.5 m
Diameter of drill pipe, tool joint end	4 in	102 mm
Diameter of drill pipe	3.62 in	92 mm
Bend radius, min	205 ft	62 m
Weight of drill pipe	229 lb	104 kg
Weight of drill pipe & box (12 pipe)	3,760 lb	1710 kg
BATTERY (2 USED)		
SAE reserve capacity rating	450 min	
SAE cold crank rating @ 0°F (-18°C)	1,400 amps	