

JT20 HORIZONTAL DIRECTIONAL DRILL SPECIFICATIONS

	U.S.	METRIC
OPERATION		
Spindle speed, max	225 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	3.2 mph	5.2 km/h
Reverse	3.2 mph	5.2 km/h
POWER		
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	3.7 in	95 mm
Stroke	4.5 in	115 mm
Manufacturer's gross power rating	74 hp	55 kW
Rated speed	2,600 rpm	
Emissions compliance	EPA Tier 4	EU Stage IV

	U.S.	METRIC
DIMENSIONS		
Length	17.25 ft	5.26 m
Width	4.3 in	1.31 m
Height	7.6 ft	2.29 m
Weight with full rack	11,890 lb	5394 kg
Entry angle	10-14°	
Angle of approach	18°	
Angle of departure	18°	
DRILLING FLUID SYSTEM (ONBOARD)		
Pressure, max	1,500 psi	103 bar
Flow, max	32 gpm	120 l/min
FLUID CAPACITIES		
Hydraulic reservoir	19 gal	72 L
Fuel tank	30 gal	114 L
Engine oil with filter	8.5 gal	32 L
BATTERY		
SAE reserve capacity rating	195 min	
SAE cold crank rating @ 0°F (-18°C)	950 amps	
POWER PIPE®		
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	135 ft	41 m
Weight of drill pipe, lined	67 lb	30.4 kg

Specifications are generally 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. Contains patented features.

