

SPECIFICATIONS, JT1220 MACH 1

	U.S.	METRIC
OPERATION		
Spindle speed, max	180 rpm	
Spindle torque, max	1400 ft-lb	1898 N-m
Carriage thrust travel speed	155 fpm	47 m/min
Carriage pullback travel speed	155 fpm	47 m/min
Thrust force	10,000 lb	44.5 kN
Pullback force	12,000 lb	53.4 kN
Bore diameter	3.5 in	89 mm
Backream diameter	Soil dependent	
Ground travel speed, max		
Forward/reverse	2.7 mph	4.3 km/h
POWER		
Engine	Cummins® B3.3	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Natural	
Number of cylinders	4	
Displacement	199 in ³	3.3 L
Bore	3.74 in	95 mm
Stroke	4.53 in	115 mm
Manufacturer's gross power rating	60 hp	45 kW
Rated speed	2,200 rpm	
Emissions compliance	EPA Tier 4	EU Stage IIIA

	U.S.	METRIC
DIMENSIONS (*FULL RACK)		
Length	188 in	4.78 m
Width	51.5 in	1.31 m
Height	78 in	1.98 m
Weight*	10,100 lb	4580 kg
Entry angle	10-14°	
Angle of approach	18°	
Angle of departure	18°	
DRILLING FLUID SYSTEM (ON BOARD)		
Pressure, max*	1,250 psi	86 bar
Flow, max*	15 gpm	57 l/min
FLUID CAPACITIES		
Hydraulic reservoir	19 gal	72 L
Fuel tank	19 gal	72 L
POWER PIPE®		
Length, nominal	120 in	3 m
Diameter	1.82 in	46.2 mm
Diameter, tool joint end	2.38 in	60.4 m
Bend radius, min	120 ft	37 m
Weight, lined	54 lb	24.5 kg
BATTERY (2 USED)		
SAE reserve capacity rating	195 min	
SAE cold crank rating @ 0°F (-18°C)	950 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.