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D100x120 Series II Specs

General Dimensions and Weights		
Length (Minimum Transport)	410"	1041.4 cm
Width (With Cab, Minimum Transport)	93"	236.2 cm
Height (Minimum Transport)	118"	299.7 cm
Weight	43500 lbs	19731.3 kg

Engine		
Make and Model	John Deere PowerTech PE6068HF275	
Fuel Type	Diesel	
Gross Horsepower	225 hp	167.8 kw
Net Horsepower	203 hp	151.4 kw
Cooling Method	CAC air to air	
Aspiration	Turbocharged	
EPA Certification Family	Tier 3	

Operational		
Thrust	100000 lbs	45359.2 kg
Pullback	100000 lbs	45359.2 kg
Maximum Carriage Speed at Maximum Engine RPM	175 ft/min	53.3 m/min
Maximum Spindle Torque (Low at Maximum Engine RPM)	12000 ft-lb	16269.8 Nm

Maximum Spindle Torque (Medium at Maximum Engine RPM)	9000 ft-lb	12202.4 Nm
Maximum Spindle Torque (High at Maximum Engine RPM)	6000 ft-lb	8134.9 Nm
Maximum Spindle Speed at Max Engine RPM	120 rpm	
Minimum Bore Diameter	5"	12.7 cm
Maximum Ground Drive Speed at Maximum Engine RPM	3.2 mph	5.2 km/h
Automated Rod Loader	Yes, semi-automated	
Noise Level at Operator's Ear	92	

Fluid Capacities		
Fuel Tank	75 gal	283.9 L
Hydraulic Tank	85 gal	321.8 L
Hydraulic System	115 gal	435.3 L

Hydraulic System		
Auxiliary Pump Flow at Maximum Engine RPM	20 gpm	
Auxiliary Pump Relief Pressure	3000 psi	206.8 bar
Thrust/Pullback Pump Flow at Max Engine RPM	45 gpm	170.3 L/min
Thrust/Pullback Pump Relief Pressure	5500 psi	379.2 bar
Rotation Pump Flow at Maximum Engine RPM	60 gpm	227.1 L/min
Rotation Pump Relief Pressure	5500 psi	379.2 bar

Hydraulic Supply Filter Rating	200	
Hydraulic Return Filter Rating	5	

Drilling Fluid System Option One		
Maximum Flow	150 gpm	567.8 L/min
Maximum Pressure	1100 psi	75.8 bar

Drilling Fluid System Option Two		
Maximum Flow	200 gpm	757.1 L/min
Maximum Pressure	1100 psi	75.8 bar

Drilling Fluid System Option Three		
Maximum Flow	200 gpm	757.1 L/min
Maximum Pressure	1100 psi	75.8 bar

Drilling Fluid System Option Four		
Maximum Pressure	1100 psi	75.8 bar

Crane		
Weight	2500 lbs	1134 kg
Maximum Lifting Capacity	7530 lbs	3415.6 kg
Maximum Lifting Capacity - Boom Extended/Max Reach	2350 lbs	1065.9 kg
Rotation	200 deg	
Maximum Reach	246"	624.8 cm

Features		
Breakout System	Yes- hydraulic open-top	
Drilling Lights	Standard	
Flow Indicator	Yes	
Stakedown System	Optional	

Cab	Standard	
Strike Alert	Yes	

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