



Loaded with 120,000 lbs (533.8 kN) of pullback/thrust and 15,500 ft-lbs (21015 N·m) of rotational torque, the AT120 not only opens you up to new types of jobs but moves through long bores and large diameter installs with eye-popping power. All Terrain technology and a 280-hp (209 kW) Stage V Cummins® engine reduce environmental impact without losing any power. 3,000 ft·lbs (4067 N·m) of inner rotational torque—a 50% increase over its predecessor—allows the AT120 additional power to drill through the toughest terrain around.

The 20-foot drill pipe helps your machine limit makeup/breakout and maximize drilling time.

AMEO

Integrated wireline platform gives the working hand greater access when connecting wire.

At 80 DbA, the AT120 reduces

comfortable and productive

jobsite noise for a more

worksite.

Independent stabilizers in the rear of the machine provide even more stability across uneven terrain.

The new large displacement fluid pump

with an increased fluid flow brings the

GPMs needed to boost uptime.

The new engine compartment

and compartment panel design

easier and more efficient.

Ditch Witch

free up more room around critical

components, making maintenance

I-Beam anchor plate design allows you to stake down in varying soils, increasing stability across demanding jobs and tough terrain.

Wireless remote allows you to operate critical machine functions from outside the cab.

Traverse your drill while controlling the ground drive, hydraulic-powered stabilizers and more.

Wireless Remote





AT120 ALL TERRAIN DRILL



PERATION	U.S.	METRIC
Spindle speed, max	200 rpm	
Spindle speed (AT inner spindle), max	250 rpm	
Spindle torque, max	15,500 ft·lb	21015 N·m
Spindle torque (AT inner spindle), max	3,000 ft·lb	4067 N·m
Carriage thrust travel speed	210 fpm	64 m/min
Carriage pullback travel speed	210 fpm	64 m/min
Thrust force	120,000 lb	533.8 kN
Pullback force	120,000 lb	533.8 kN
Bore diameter	6.5 in	165 mm
Backreamer diameter	Soil dependent	
Ground travel speed		
Forward/reverse	2.8 mph	5 km/h
POWER		
Engine	Cummins QSB6.7	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	Direct	
Aspiration	Turbocharged & charge air cooled	
Number of cylinders	6	
Displacement	409 in ³	6.7 L
Bore	4.21 in	107 mm
Stroke	4.88 in	124 mm
Manufacturer's gross power rating	280 hp	209 kW
Rated speed	2,200 rpm	
Emissions compliance	EPA Tier 4F	EU Stage V
IMENSIONS		
Length	453 in	11.5 m
Width	100.4 in	2.55 m
Height, w/ cab	121.5 in	3.09 m
Operating weight	49,761 lb	22571 kg
Entry angle	12-18°	
Angle of approach	17°	
Angle of departure	17°	

DRILLING FLUID SYSTEM	U.S.	METRIC
Pressure, max	1,100 psi	76 bar
Flow, max	285 gpm	1079 l/min
FLUID CAPACITIES		
DEF tank	12.2 gal	46.3 L
Hydraulic reservoir	39 gal	148 L
Fuel tank	120 gal	454 L
Engine lubrication oil, w/filter	18.5 qt	17.5 L
Antifreeze tank	20 gal	76 L
POWER PIPE® HD (3.36DS)		
Length of drill pipe	240 in	6.09 m
Diameter of drill pipe, tool joint end	4.38 in	111.2 mm
Diameter of drill pipe	3.95 in	100 mm
Bend radius, min	205 ft	62.5 m
Weight of drill pipe, lined	296 lb	134.2 kg
ALL TERRAIN PIPE (3.36D	S)	
Length of drill pipe	240 in	6.09 m
Diameter of drill pipe, tool joint end	4.38 in	111.2 mm
Diameter of drill pipe	3.95 in	100 mm
Bend radius, min	205 ft	62.5 m
Weight of drill pipe	395 lb	179.1 kg
BATTERY (2 USED)		
SAE reserve capacity rating	175 min	
CAE 11 1 1 0 00E (1000)	050	

SAE cold crank rating @ 0°F (-18°C) 950 amps

NOISE LEVEL

Operator sound pressure per ISO 6394 < or = 80 dBA

VIBRATION LEVEL

Average vibration transmitted to the operator's hand and whole body during normal operation does not exceed 2.5 and 0.5 m/sec² respectively.

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.



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