

# PERFORMANCE SPECIFICATIONS

## Power Train

Engine:	Deutz D914LO6 Tier III Diesel	
Rating:	116 HP (86.5 kW)	
Maximum Engine Speed:	2300 RPM	
Engine Torque:	228 ft.-lbs. (309.1 Nm)	2300 RPM
	276 ft.-lbs. (374.2 Nm)	1600 RPM
Maximum Noise Rating:	105 dB(A)	
Fuel Capacity:	18.5 U.S. Gallons (70 L)	
Hydraulic Capacity:	22.6 U.S. Gallons (86 L)	
Battery:	(1) Deka 634MF 12 V, 690 CCA	

## Transmission

Type:	Spicer E62-5A	
Ratios:	Gear	Ratio
	1st Gear	7.17:1
	2nd Gear	4.21:1
	3rd Gear	2.54:1
	4th Gear	1.45:1
	5th Gear	1.00:1
	Reverse	7.17:1

Clutch: Spring Applied with 13 in. (330 mm) Diameter Single Disk/Hydraulically Assisted Clutch Actuator

## Gearbox

Ratio: 54.2:1

## Torque & Speed

Torque Requirements:	(2300 RPM)		
	Gear	Output	Max. Speed
	1st	88,604 ft.-lbs. (120,102 Nm)	6 RPM
	2nd	52,025 ft.-lbs. (70,540 Nm)	10 RPM
	3rd	31,388 ft.-lbs. (42,560 Nm)	17 RPM
	4th	17,919 ft.-lbs. (24,289 Nm)	29 RPM
	5th	12,358 ft.-lbs. (16,758 Nm)	42 RPM
	Reverse	88,604 ft.-lbs. (120,102 Nm)	6 RPM
	(1600 RPM)		
	Gear	Output	Max. Speed
	1st	107,257 ft.-lbs. (145,450 Nm)	4 RPM
	2nd	62,978 ft.-lbs. (85,390 Nm)	7 RPM
	3rd	37,996 ft.-lbs. (51,520 Nm)	12 RPM
	4th	21,691 ft.-lbs. (29,410 Nm)	20 RPM
	5th	14,959 ft.-lbs. (20,280 Nm)	30 RPM
	Reverse	107,257 ft.-lbs. (145,450 Nm)	4 RPM

\*These are net figures. A deduction has already been taken into consideration for hydraulic and mechanical loss.

## Hydraulic System

Maximum Thrust:	600,000 lbs. (272 Tonnes)
Hydraulic Pump:	Axial Piston Pump with Load Sensor
Gear Pump:	57cc Piston
Maximum Pump Pressure:	4,750 psi (327 bar)
Maximum Pump Output:	35 U.S. Gallons (132 L)/minute
Hydraulic Motors:	(2) 60 CIR, LSHT, TPR
Hydraulic Push Bar Cylinder:	(1) 2 in. Bore x 4 in. Stroke (51 mm x 102 mm)
Hydraulic Clutch Cylinder:	(1) 1 1/2 in. Bore x 4 in. Stroke (38 mm x 102 mm)
Hydraulic Thrust Cylinder:	(2) 9 in. Bore x 35 in. Stroke (229 mm x 889 mm)
Hydraulic Suction Strainer Filter:	Suction Strainer with 100 Mesh Screen
Hydraulic Return Filter:	High Pressure Return Filter to 6 Micron ABS with Replaceable Element

## Master Pusher

Diameter:	36 in. (914 mm)
Working Range:	12 in. – 42 in. (305 – 1,067 mm) Casing Diameter
Hex Drive:	4 in. (102 mm)

## Quik Split™

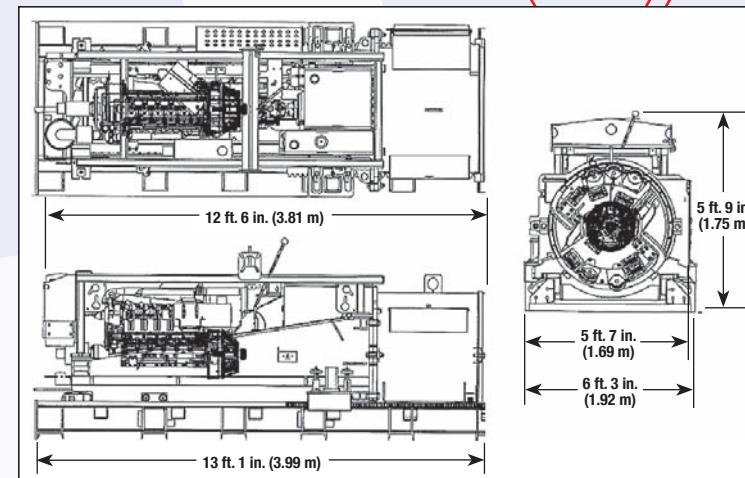
The Quik Split™ frame design allows the machine to be separated into sections to accommodate lighter and faster lifts into and out of the bore pit, and aids the operator in being able to facilitate better and safer machine positioning.

## Spoil Door

With a *Safety-First* commitment all American Augers horizontal earth boring machines are equipped with a gravity activated-manual spoil door, which deflects thrown debris from the spoil chamber.

## Dimensions

Length:	12 ft. 6 in. (3.81 m)
Width:	5 ft. 7 in. (1.69 m)
Height:	5 ft. 9 in. (1.75 m)
Master Track Length:	13 ft. (3.96 m) w/1 in. (25 mm) back plate
Master Track Width:	6 ft. 3 in. (1.92 m)
Centerline:	29.27 in. (744 mm)
Extension Track Length:	10 ft. (3 m)
Extension Track Width:	6 ft. 3 in. (1.92 m)



## Weights

Base Unit (Split Weight):	5,300 lbs. (2,404 kg)
Power Pack (Split Weight):	5,600 lbs. (2,540 kg)
Master Pusher:	1,200 lbs. (544 kg)
Master Track:	3,700 lbs. (1,678 kg)
Lifting Sling:	300 lbs. (136 kg)
<b>Total Weight:</b>	<b>16,100 lbs. (7,303 kg)</b>
Extension Track:	2,800 lbs. (1,270 kg) each
Master Saddle:	290 lbs. (132 kg)

## Misc.

Work Lights:	(3) 12 Volt
Extension Track:	(2)
Master Saddle:	(1) 36 in. (914 mm) compatible

# AMERICAN AUGERS®

an Astec company



# 36-600

Auger Boring Machine



Since 1970 American Augers has been a devoted supplier of underground technology equipment that maintains rugged strength, unsurpassed power, and industry leading designs.

Never has there been a change in American Augers core value of having products developed by a can-do workforce that focuses on mechanical, technological, and customer based design improvements that from continent to continent meets American Augers goal of always exceeding customer expectations by providing products that are not a cost of doing business, but an **Investment in Success!**

**Did You Know:** Auger Boring Machines were first produced by American Augers in a small-rented garage in Wooster, Ohio. Even now with experience and increased manufacturing capacity American Augers realizes that the textbook method of auger boring may never change, but American Augers can still redefine the machines, so customers excel with enough thrust, torque, and technology to succeed in cobble, rock and other intrusive soils.

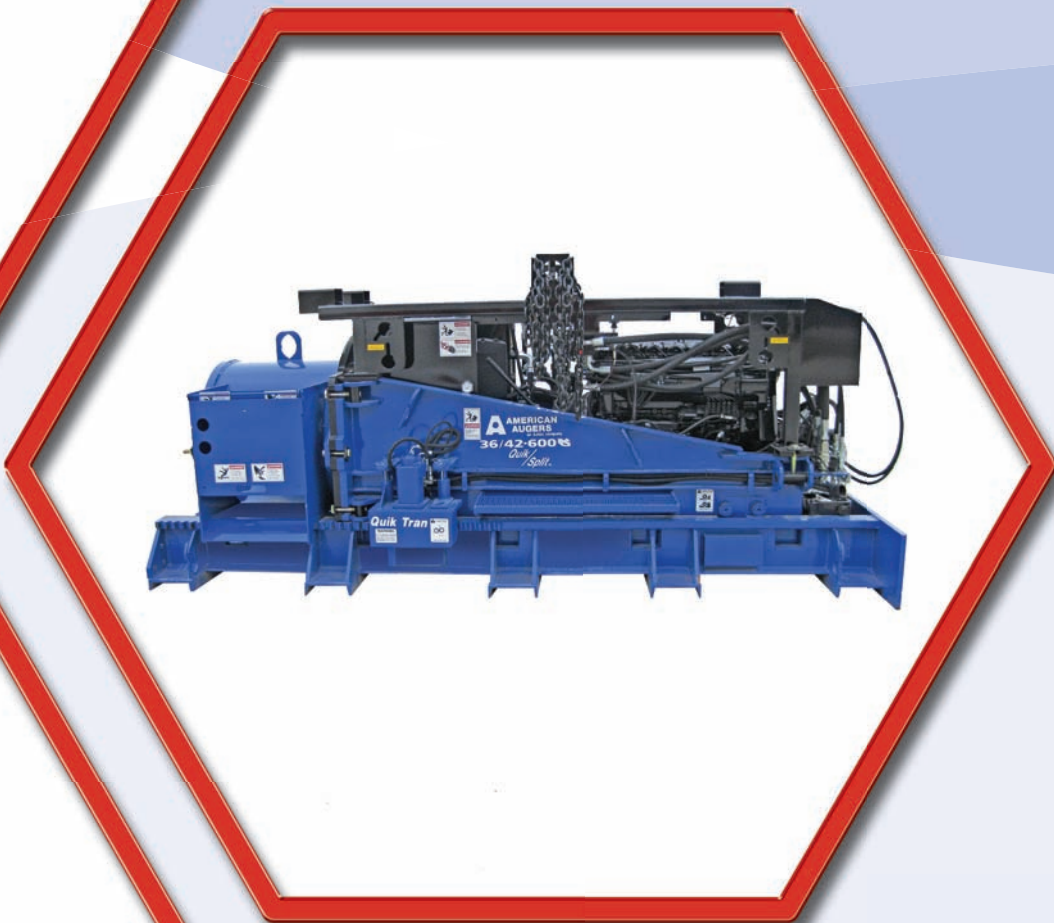
**Environmental Commitment**

American Augers is committed to manufacturing equipment that helps to preserve the sanctity of the global environment, and has done so by reducing noise and/or emissions outputs, and emphasizing the fact that our trenchless technology equipment requires little or no open cutting, which has very minimal impacts on natural surfaces, features, or habitats.



# 36-600 NG

The 36-600 NG is the next generation of auger boring machine that offers a highly productive rack and pinion system for rapidly pulling the machine back to its starting position on the track without dogging or winching. No more handling of greasy or frayed cables and wire rope knots. The patented rack and pinion drive system is ready to go full time just the start the machine and you are there. Clean, Quick, Efficient, and Safe.



**Why Next Generation Auger Boring Machines from American Augers?**

- INCREASED SPEED for Pulling Auger, Steering Rods, and Pushing Product
- INCREASED VISIBILITY to the Master Pusher
- LOW CENTERLINE AND WIDE STANCE Provides Increased Stability
- HYDRAULICALLY Assisted Clutch is Easier and More Comfortable to Operate
- NO HOOK ROLLERS as the Machine Locks Safely to the Track
- ERGONOMIC Operating Control Allows for Feathering of the Rotation and Slow Turn of the Shaft for Easy Auger Installation
- VIVID Graphics Guide Safe and Proper Machine Operation
- UPDATED GAUGE SYSTEM includes: Engine Tachometer, Engine Warning Light, Hour Meter, and Thrust Pressure Reading
- QUIK TRAN®
- QUIK SPLIT™ Frame Design
- WORLDWIDE SERVICE AND SUPPORT

**What is Quik Tran®?**

Quik Tran® is the fast return system available exclusively from American Augers, as it provides up to 10,000 lbs. (4,536 kg) of push/pull at high speed, and there will be no dogging or winching during retract, as the Quik Tran system engages directly to the machine track. Quik Tran's® benefit will be easier machine operation in challenging work climates or conditions.

**EXCEPTIONAL FORCE**

**RELIABLE RESULTS**