

A PERFORMANCE SPECIFICATIONS A

Power Train

Engine: Deutz F3L1011F air-cooled diesel
w/ electric start
Rating: 45 HP (34 kW)
Maximum
Engine Speed: 1800 RPM
Engine Torque: 89 ft-lbs (121 Nm) @ 1800 RPM
Fuel Capacity: 10 U.S. Gallons (38 L)
Hydraulic
Capacity: 14.5 U.S. Gallons (55 L)
Battery: One, Deka 634MF, 12 V, 690 CCA

Transmission

Type: T-18, 4-Speed, Constant Mesh
Transmission
Ratios:

Gear	Ratio
1st Gear	6.32:1
2nd Gear	3.09:1
3rd Gear	1.69:1
4th Gear	1.00:1
Reverse	7.44:1

Clutch: Spring Applied w/ 10" (254 mm) Diameter
Single Disk/Hydraulically Assisted Clutch
Actuator

Gearbox

Ratio 47.6:1

Torque and Speed

Torque Requirements:	Gear	Ratio	Max. Speed
1st		23,376 ft lbs (31,799 Nm)	11 RPM
2nd		11,477 ft-lbs (15,613 Nm)	21 RPM
3rd		6,212 ft-lbs (8,450 Nm)	39 RPM
4th		3,685 ft-lbs (5,012 Nm)	66 RPM
Reverse		27,588 ft-lbs (37,529 Nm)	9 RPM

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

Hydraulic System

Maximum Thrust: 150,000 lbs (667 Nm)
Hydraulic Pump: Tandem, Piston Pump
Maximum
Pump Pressure: 4,000 psi (246 bar)

Hydraulic System (continued)

Maximum
Pump Output: 23 U.S. Gallons (87 L)/minute
Hydraulic Push Bar
Thrust Cylinder: Three, 2" Bore x 4" Stroke
Hydraulic Suction
Strainer Filter: Suction Strainer w/ 100 Mesh Screen
Hydraulic
Return Filter: High Pressure Return Filter to 10 Micron
ABS w/Replaceable Element

Misc. Performance Data

Working Range: 4 – 30 inch (102 – 762 mm)
Casing Diameter
Hex Drive: 3 inch (76.2 mm) Hex

Spoil Door

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

Dimensions

Length: 11' (3.4 m)
Width: 4' 6" (1.4 m)
Height: 4' 6" (1.4 m)
Master
Track Length: 11' (3.4 m) w/1" (25 mm) backplate
Extension
Track Length: 10' (3 m)

Weight

Base Unit/
Powerpack: 4,300 lbs (1,950 kg)
Master Pusher: 425 lbs (193 kg)
Master Track: 1,000 lbs (454 kg)
Lifting Sling: 60 lbs (27 kg)
Total Weight 5,785 lbs (2,624 kg)
Extension Track: 950 lbs (430 kg) each
Master Saddle: 90 lbs (41 kg)

A AMERICAN AUGERS®
an Astec company

Horizontal Earth
Boring Machine



24/30-150



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's expectations by providing products that are not a cost of doing business, but an **Investment in Success!**

Did You Know: Horizontal Earth 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 our 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.



24/30-150

The 24/30-150 is a small and efficient horizontal earth boring machine that is ruggedly designed. It's ready for those utility construction jobs from 4" (101.6mm) fiber optic ducts to 30" (320.2mm) utility lines. It handles the really tough jobs with muscle to spare.

Features and Benefits

- Unitized box frame construction provides solid, lasting alignment of the power train
- Low Centerline and Wide Stance provide increased stability
- Semi-automatic push bar securely locks the track dogs for a solid push.
- Machine controls are clustered for easy operation
- Vivid graphics guide safe and proper operation
- Warning lights monitor alternator charging and engine oil pressure
- Clutch and shift levers are easy to handle and operate
- Tachometer, fuel and hydraulic system gauges are in direct view

Lightweight
yet Powerful
Low Profile
yet Dependable

EXCEPTIONAL FORCE

RELIABLE RESULTS