

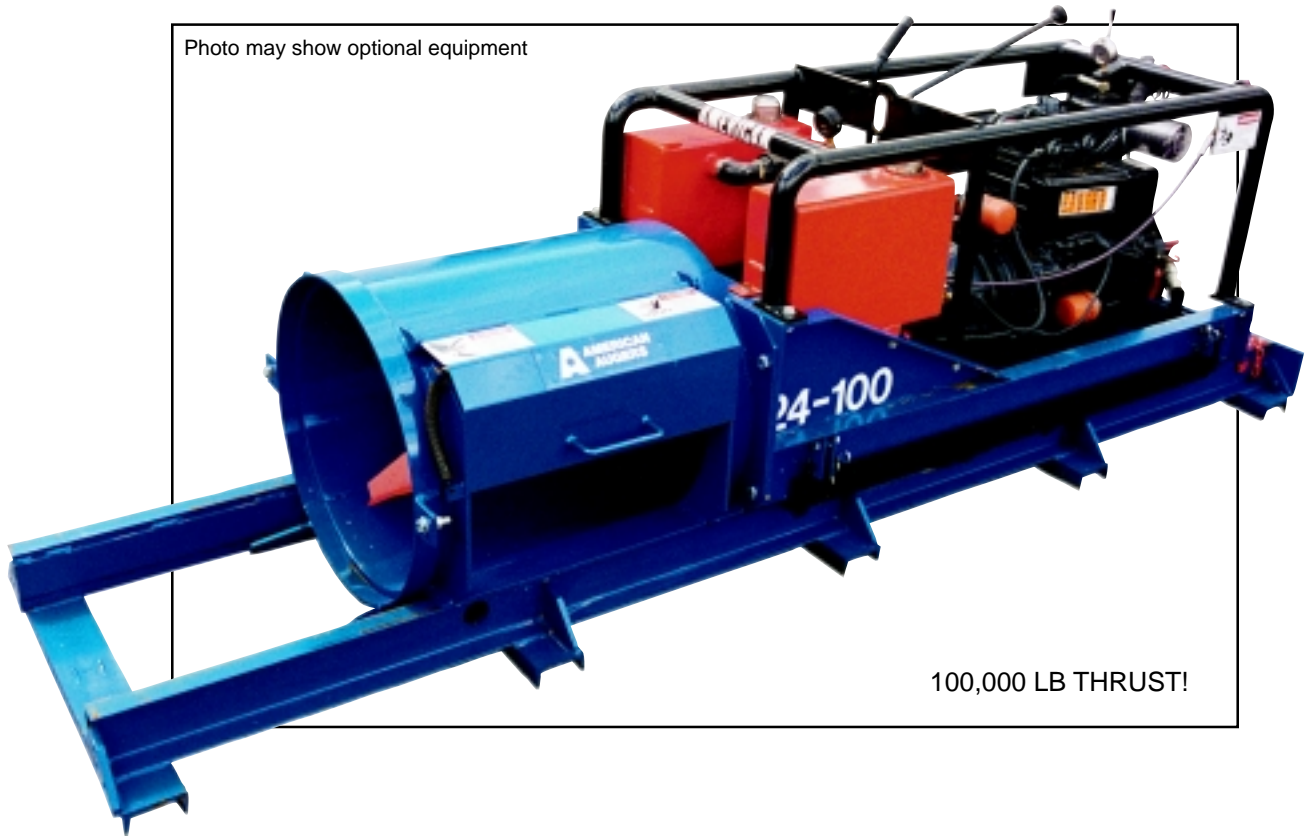
24-100[™]

24 INCH (610 mm)



Horizontal Earth Boring Machine

Photo may show optional equipment



100,000 LB THRUST!

Dependability for boring contractors

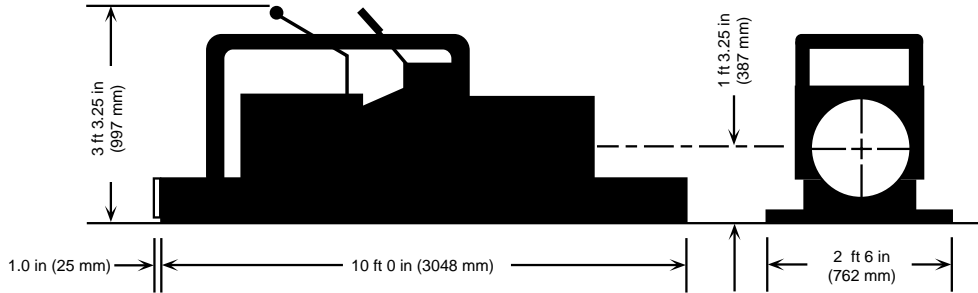
The model 24-100 is a light, easy to handle unit with rugged construction and dependable performance. It meets the challenge of most any bore in the small to medium range, 4 to 24 inch diameter, and develops 100,000 pounds of forward thrust.

Powered by the 26 HP Lombardini 2-cylinder air cooled diesel, the model 24-100 uses a rugged unitized box frame construction for lasting alignment

of the transmission and gearbox. We have never had a frame failure in over 25 years of boring machine production. The low center-line and wide stance ensure low machine profile and stability. Slide rails guide the 24-100 on sturdy reinforced tracks. The rails pivot, releasing the boring machine from the tracks for a balanced lift of 2,300 pounds. Spring loaded track dogs automatically reposition the push bar for the

next drive. Machine controls and gauges are clustered for easy operation. The machine has electric start and an emergency switch for total machine shutdown. The clutch and transmission shift levers move easily without strain. The spring loaded spoil chamber door protects from thrown debris. Vivid graphics guide safe and proper operation.

24-100 Earth Boring Machine



Power train

Engine type	Lombardini 9LD625-2 diesel air cooled with electric start
Rating	26 HP (19.4 kW) @3000 RPM continuous duty
Fuel capacity	4 U.S. gallons (15 L)
Clutch	Dry, spring applied 8.5 inch (216 mm) diameter
Transmission Ratios	Model 4 three speed constant mesh 1st gear — 3.12:1 2nd gear — 1.86:1 3rd gear — 1.00:1 Reverse — 3.75:1
Gearbox ratio	43.5:1
Auger drive	2.25 inch hex (57.15 mm)
Working range	4 to 24 inch (102 to 610 mm) casing diameter

Torque & speed (max)[†]

1st gear	6,400 ft lb (8,700 Nm), 22 RPM
2nd gear	3,800 ft lb (5,200 Nm), 37 RPM
3rd gear	2,100 ft lb (2,800 Nm), 68 RPM
Reverse	7,700 ft lb (10,500 Nm), 18 RPM

[†]These are net figures. A deduction has already been taken in consideration of hydraulic and mechanical loss.

Hydraulic system

Pressure	4,000 PSI (27,580 kPa)
Thrust (max)	100,000 lb (445 kN)
Pump type	High/low speed gear pump
Output	9 GPM (34 L/min)
Cylinders	Two 4 inch bore x 36 inch stroke (101.6 x 914.4 mm)
Filter	Suction, 25 micron replaceable element

Weights (approximate)

Machine, with casing pusher	2,300 lb (1,044 kg)
Master track	500 lb (227 kg)
Extension track	450 lb (204 kg)

Accessories

American Augers supplies a full range of auger sections, dirt and rock cutting heads, hex adapters, casing size adapters, support equipment and repair components developed through our 30 years' experience in the auger boring industry.

Standard features

The model 24-100 comes with a base unit slide rail holddown on each side, low center line and wide stance to provide stability and to aid in the prevention of machine rollover. The spoil door is spring-loaded to deflect thrown debris. There is an emergency shutdown switch at the operator's station. Vivid graphics guide safe and proper machine operation. Instruments include: engine tachometer, engine warning lights, hydraulic thrust pressure gauge.



Due to our continuing product improvement, specifications are subject to change without notice.

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