

American Augers Electric Auger Boring Machine 36/42-600E

IPLOCA New Technologies Award



American Augers

The American Augers line of underground construction equipment consists of: auger boring machines, maxi rig and mid-size directional drills, mud pump and cleaning systems and tooling and accessories. The products are manufactured at the company's 241,000-sq ft facility in West Salem, Ohio. Since the founding of American Augers in 1970, there has never been a change in the company's core value: having products developed by a can-do work force that focuses on mechanical, technological and customer-based design improvements. American Augers is a member of the family of companies that comprise Charles Machine Works.



American Augers 36/42-600E

The American Augers 36/42-600E is a new offering in the auger boring market and the first electrically driven auger boring machine in the American Augers product line.

The 36/42-600E offers the following unique features:

- Electric driven
- Remote control operation
- Power applied across a wide speed range
- Driven on existing track, augers and tooling
- Powered by 150 kW generator
- Built in torque limiter to prevent critical component damage

Electric Driven



- No exhaust
- Perfect for Deep Pit and urban/environmentally sensitive areas
- Quiet
- Powered by an on site 150 to 200 kW generator
- No engine start issues in extremely cold weather

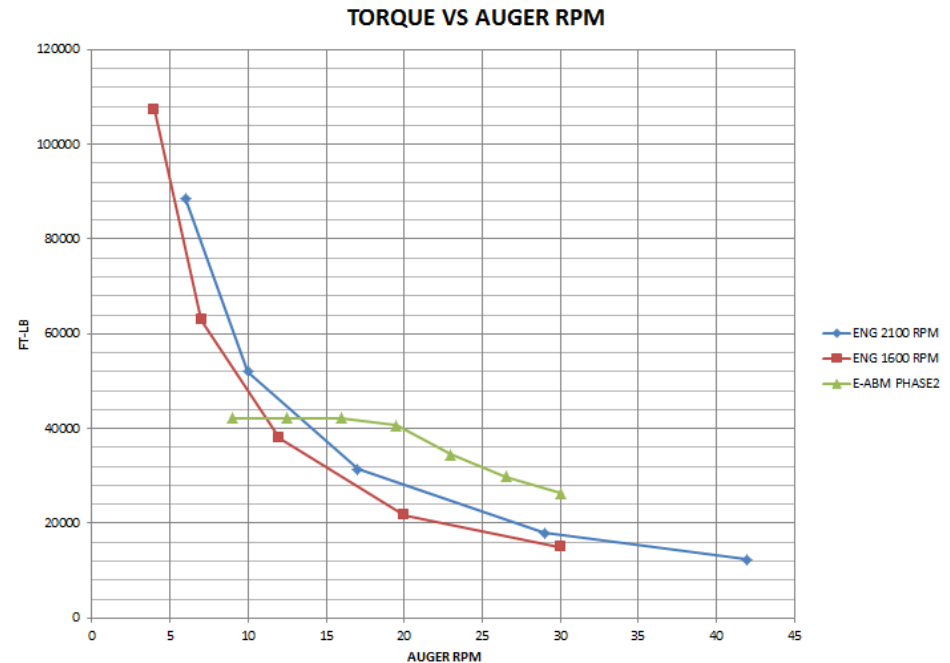
Remote Operation



- Operate off of the rig and even out of the pit
- More comfortable controls
- Excellent controllability
- Torque and thrust readout information display

Rotary Validation

Compared to comparable diesel equipment, the electric 36/42-600E applies rotary power across a wider speed range, unlike diesel equipment which will lose rotary torque as speed increases.



Existing Track



- Customers do not have to purchase additional Quik Tran™ track if they already own a 36/42 or 48 system
- Split unit to remove easily from the pit at night
- Can be removed anywhere along the track, does not have to be trammed to the back

Torque Limiter

- Protects internal drive components when the augers see high loads unexpectedly

General Specifications

- 42,500 ft*lbs (57,622 Nm) Torque @ 15 rpm
- 29,500 ft*lbs (39,996 Nm) Torque @ 30 rpm
- Variable speeds 9 to 30 rpm
- 150 HP (112 kW) Electric Motor
- 437 ft*lbs (592 Nm) Motor Torque @ 1780 rpm
- Gearbox Ratio 96:1
- Casing 12" (304 mm) to 42" (1066.8 mm)
- 4" (101.6 mm) Hex Drive
- Minimum generator of 150kW

Customer Feedback

“I Like the Machine”

“It has plenty of torque, you can tell that”

“I like the controller where you can walk up and actually see the hex for aligning auger sections”

-Down Ta Earth, Inc.