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SCHNECKENBOHRMASCHINEN

24/30-150 SCHNECKENBOHRMASCHINE



FEATURES

Lightweight, Low Profile, Rugged, Powerful, Dependable, Great for utility construction jobs from 4 in. (102 mm) for fiber optic ducts to 30 in. (762 mm) for utility lines.

SPECIFICATIONS

Power Train

- Engine Tier 4 Final CAT C2.2 Tier 4f Diesel
- Rating Tier 4 Final 48.8 HP (36.4 kW)



- Maximum Engine Speed Tier 4 Final 2800 RPM
- Engine Torque Tier 4 Final 91.5 ft lb @ 2800 RPM
- Engine Torque 2 Tier 4 Final 121.7 ft lb @ 1800 RPM
- Fuel Capacity Tier 4 Final 19 U.S. Gallons (72 L)
- Hydraulic Capacity Tier 4 Final 15 U.S. Gallons (56.8 L)

Transmission

- Type Tier 4 Final T-18 4-Speed Constant Mesh
- Clutch Tier 4 Final Spring Applied with 10 in. (254 mm) Diameter Single Disk

Hydraulic System

- Maximum Thrust Tier 4 Final 150,000 lbs. (68 Tonnes)
- Hydraulic Thrust Cylinder Tier 4 Final (2) 5 in. Bore x 35 in. Stroke (127 x 889)

Master Pusher

- Diameter 24 in. (610 mm)
- Working Range 8 in. - 30 in. (203 - 762 mm) Casing Diameter
- Hex Drive 3 in. (76.2 mm)

Dimensions

- Length 11 ft. 4 in. (3.43 m)
- Width 3 ft. (0.91 m)
- Height Tier 4f: 5 ft. (1.53 m)
- Master Track Length 11 ft. (3.4 m) w/1 in. (25 mm) back plate
- Master Track Width 4 ft. 6 in. (1.37 m)
- Centerline 18.12 in. (460 mm)
- Extension Track Length 10 ft. (3 m)
- Extension Track Width 4 ft. 6 in. (1.37 m)

Weights

- Base Unit / Power Pack Tier 4f: 4,142 lbs. (1879 kg)
- Master Pusher 450 lbs. (204 kg)
- Master Track 1,300 lbs. (590 kg)
- Lifting Sling 140 lbs. (63.5 kg)
- Total Weight TIER 4f: 6,032 lbs. (2,736 kg)
- Extension Track 1060 lbs. (481 kg) each
- Master Saddle 60 lbs. (27 kg)



36-600 SCHNECKENBOHRMASCHINE



FEATURES

NEXT GENERATION

Highly Productive Rack & Pinion pulls the machine back to its starting point on the track quickly – no dogging or winching.



SPECIFICATIONS

Power Train

- Engine Tier 4 FinalCAT C4.4 Tier 4f Diesel
- Rating Tier 4 Final137 HP (102.2 kW)
- Maximum Engine Speed Tier 4 Final2300 RPM
- Engine Torque Tier 4 Final327 ft-lbs. (443 Nm) @ 2200 RPM
- Engine Torque 2 Tier 4 Final391 ft-lbs. (530 Nm) @ 1400 RPM
- Fuel Capacity Tier 4 Final22 U.S. Gallons (83.3 L)
- Hydraulic Capacity Tier 4 Final24 U.S. Gallons (91 L)

Transmission

- Type Tier 4 FinalEaton FS-5205A, 5-speed
- Clutch Tier 4 FinalSpring applied with 14. in. (356 mm) diameter single disk / hydraulically-assisted clutch actuator

Hydraulic System

- Maximum Thrust600,000 lbs. (272 Tonnes)
- Hydraulic Thrust Cylinder(2) 9 in. Bore x 35 in. Stroke (229 mm x 889 mm)

Master Pusher

- Diameter36 in. (914 mm)
- Working Range12 in. – 42 in. (305 – 1,067 mm) Casing Diameter
- Hex Drive4 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 helps the operator facilitate more accurate and safer machine positioning.

Quik Tran

- Quik Tran is the fast return system, made available exclusively from American Augers. 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.

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 Tier 4F** 6 ft. 8 in. (2.03 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) with backplate
- **Centerline** 29.27 in. (744 mm)
- **Extension Track Length** 10 ft. (3 m)
- **Extension Track Width** 5 ft. 3 in. (1.6 m)

Weights

- **Base Unit (Split Weight)** 5,100 lbs. (2,313 kg)
- **Power Pack (Split Weight) Tier 4F** 7,240 lbs. (3,284 kg)
- **Master Pusher** 1,100 lbs. (499 kg)
- **Master Track** 3,500 lbs. (1,587 kg)
- **Lifting Sling** 300 lbs. (136 kg)
- **Total Weight Tier 4F** 17,240 lbs. (7,820 kg)
- **Extension Track** 2,800 lbs. (1,270 kg) each
- **Master Saddle** 250 lbs. (114 kg)

36/42-600E SCHNECKENBOHRMASCHINE



FEATURES

- 600,000 lbs. (300 Tonnes) Thrust
- Electric Motor Eliminates fumes in the pit
- Take the rig out of the pit anywhere on the track
- Remote controlled operations, gets the operator off the rig and even out of the pit
- Torque limiter to help prevent damage of critical components
- Quik-Tran – The fast return system

SPECIFICATIONS

Engine

- Make/Model WEG Electric 460V



- **Horsepower**150 (112 kW)
- **Torque**437 ft*lb @ 1780 RPM

Operation

- **Max Thrust**600,000 lbs. (300 tonnes)
- **Speed and Torque**At 15 RPM torque will be 42,500 ft*Lb
- At 30 RPM torque will be 29,500 ft*Lb
- **Working Range**12 in. - 48 in.
- **Hex Drive**4 in.

Weights & Dimensions

- **Length**13 ft.
- **Height**7 ft. 3.5 in.
- **Width**6 ft. 3 in.
- **Transport Weight**19590 lb.
- **Critical Lifting Weight**9,377 lb

Fluid Capacities

- **Hydraulic**35 U.S. Gallons



48/54-900 SCHNECKENBOHRMASCHINE



FEATURES

Highly Productive Rack & Pinion pulls the machine back to its starting point on the track quickly – no dogging or winching.

- Increased ability to pull auger, steering rods, and push product
- Increased visibility to the master pusher
- Low Centerline and Wide Stance provide increased stability
- A hydraulically assisted clutch is easier and more comfortable to operate
- No Hook Rollers, the machine locks safely to the track



- The ergonomic operating button allows for feathering the rotation and slow turn of the shaft for easy auger installation
- Emergency shutdown switch at the operator's station as well as an operator presence tethered switch.
- Vivid graphics guide safe and proper machine operation
- Updated gauge system includes the improved engine tachometer, engine warning light, & hydraulic thrust pressure reading

SPECIFICATIONS

Power Train

- **Engine Tier 4 Final**Volvo TAD571VE Tier 4F Diesel
- **Rating Tier 4 Final**173 HP (129 kW)
- **Maximum Engine Speed Tier 4 Final**2200 RPM
- **Engine Torque Tier 4 Final**395 ft-lbs. (536 Nm) @ 2200 RPM
- **Engine Torque 2 Tier 4 Final**597 ft-lbs. (809 Nm) @ 1200 RPM
- **Fuel Capacity Tier 4 Final**33 U.S. Gallons (125 L)
- **Hydraulic Capacity Tier 4 Final**22 U.S. Gallons (83 L)

Transmission

- **Type**Eaton FS-5205A, 5-speed
- **Type Tier 4 Final**Spring applied with 14 in. (356 mm) diameter single disk hydraulically-assisted clutch actuator

Hydraulic System

- **Maximum Thrust**900,000 lbs. (408 Tonnes)
- **Hydraulic Thrust Cylinder**(3) 9 in. Bore x 35 in. Stroke (229 mm x 889 mm)

Master Pusher

- **Diameter**48 in. (1,219 mm)
- **Working Range**24 in. – 54 in. (610 – 1,372 mm) Casing Diameter
- **Hex Drive**5 in. (127 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.

Quik Tran

- Quik Tran is the fast return system, made 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 Trans benefit will be easier machine operation in challenging work climates or conditions.

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 14 ft. 6 in. (4.42 m)
- Width 5 ft. 10 in. (1.78 m)
- Height Tier 46 ft. 7 in. (2.03 m)
- Master Track Length 15 ft. (4.57 m) w/1 in. (25 mm) back plate
- Master Track Width 5 ft. 6 in. (1.67 m)
- Centerline 32.89 in. (835.4 mm)
- Extension Track Length 10 ft. (3 m)
- Extension Track Width 5 ft. 3 in. (1.60 m)

Weights

- Base Unit (Split Weight) 6,150 lbs. (2,790 kg)
- Power Pack (Split Weight) Tier 49,300 lbs. (4,218 kg)
- Master Pusher 1,600 lbs. (726 kg)
- Master Track 3,900 lbs. (1,769 kg)
- Lifting Sling 350 lbs. (159 kg)
- Total Weight Tier 421,300 lbs. (9,662 kg)
- Extension Track 3,500 lbs. (1,588 kg) each
- Master Saddle 250 lbs. (114 kg)



60-1200 SCHNECKENBOHRMASCHINE



FEATURES

Highly Productive Rack & Pinion pulls the machine back to its starting point on the track quickly – no dogging or winching.

- Increased ability to pull auger, steering rods, and push product
- Increased visibility to the master pusher
- Low Centerline and Wide Stance provide increased stability
- A hydraulically assisted clutch is easier and more comfortable to operate
- No Hook Rollers, the machine locks safely to the track
- An ergonomic operating button allows for feathering the rotation and slow turn of the shaft for easy auger installation



- Emergency shutdown switch at the operator's station as well as an operator presence tethered switch
- Vivid graphics guide safe and proper machine operation
- Updated gauge system includes the improved engine tachometer, engine warning light, & hydraulic thrust pressure reading

SPECIFICATIONS

Power Train

- **Tier 4 Engine**Volvo TAD571VE Tier 4f Diesel
- **Tier 4 Rating**2200 RPM
- **Tier 4 Maximum Engine Speed**395 ft-lbs. (536 Nm) @ 2200 RPM
- **Tier 4 Engine Torque**597 ft-lbs. (809 Nm) @ 1200 RPM
- **Tier 4 Fuel Capacity**48 U.S. Gallons (182 L)
- **Tier 4 Hydraulic Capacity**22 U.S. Gallons (83 L)

Transmission

- **Tier 4 Type**Eaton FS-5205A, 6-speed
- **Tier 4 Clutch**Spring applied with 14 in. (356 mm) diameter single disk pneumatically-assisted clutch actuator

Hydraulic System

- **Maximum Thrust**1,200,000 lbs. (544 Tonnes)
- **Hydraulic Thrust Cylinder**(4) 9 in. Bore x 35 in. Stroke (229 mm x 889 mm)

Master Pusher

- **Diameter**60 in. (1,524 mm)
- **Working Range**24 in. – 60 in. (610 – 1,524 mm) Casing Diameter
- **Hex Drive**5 in. (127 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.



Quik Tran

- Quik Tran is the fast return system, made 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 Trans benefit will be easier machine operation in challenging work climates or conditions.

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 Tier 414 ft. 10 in. (4.52 m)
- Width Tier 47 ft. 3 in. (2.21 m)
- Height Tier 47 ft. 6 in. (2.29 m)
- Master Track Length 15 ft. (4.57 m) w/1 mm (38 mm) back plate
- Master Track Width 7 ft. 4 in. (2.23 m)
- Centerline 36.02 in. (915 mm)
- Extension Track Length 10 ft. (3 m)
- Extension Track Width 7 ft. 4 in. (2.23 m)

Weights

- Base Unit (Split Weight) 8,900 lbs. (4,037 kg)
- Tier 4 Power Pack (Split Weight) 11,500 lbs. (5,216 kg)
- Master Pusher 2,390 lbs. (1,084 kg)
- Master Track 7,100 lbs. (3,221 kg)
- Lifting Sling 550 lbs. (249 kg)
- Tier 4 Total Weight 30,440 lbs. (13,807 kg)
- Extension Track 5,600 lbs. (2,540 kg) each
- Master Saddle 270 lbs. (123 kg)



70-1200 SCHNECKENBOHRMASCHINE



FEATURES

The 72-1200 Auger Boring machine has an increased ability to pull auger, steering rods, and push product. Better visibility to the master pusher with a low centerline and wide stance provides improved stability. Hydraulically-assisted clutch is easier and more comfortable to operate. The machine locks safely to the track without hook rollers. Ergonomic operating button allows for feathering rotation and slow turn of the shaft for easy auger installation. Safer operation with emergency shutdown switch at the operator's station as well as an operator presence tethered switch. Updated gauge system includes the improved engine tachometer, engine warning light, & hydraulic thrust pressure reading and vivid graphics guide safe and proper machine operation.

SPECIFICATIONS

Power Train

- Engine Tier 4 Volvo TAD871VE Tier 4f Diesel
- Rating Tier 4 248 HP (185 kW)
- Maximum Engine Speed Tier 4 2200 RPM



- Engine Torque Tier 4 592 ft-lbs. (803 Nm) @ 2200 RPM
- Engine Torque 2 Tier 4 625 ft-lbs. (847 Nm) @ 1500 RPM
- Fuel Capacity Tier 4 52 U.S. Gallons (197 L)
- Hydraulic Capacity Tier 4 48 U.S. Gallons (181 L)

Transmission

- Type Eaton FS-6406A
- Clutch Spring applied with 15.6 in. (395 mm) diameter single disk pneumatically-assisted clutch actuator

Hydraulic System

- Maximum Thrust 1,200,000 lbs. (544 Tonnes)
- Hydraulic Thrust Cylinder (4) 9 in. Bore x 35 in. Stroke (229 mm x 889 mm)

Master Pusher

- Diameter 72 in. (1,829 mm)
- Working Range 24 in. – 72 in. (610 – 1,829 mm) Casing Diameter
- Hex Drive 5 in. (127 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.

Quik Tran

- Quik Tran is the fast return system, made 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 Trans benefit will be easier machine operation in challenging work climates or conditions.

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** 14 ft. 7 in. (4.45 m)
- **Width** 8 ft. 1 in. (2.46 m)
- **Height** 8 ft. 4 in. (2.54 m)
- **Master Track Length** 15 ft. (4.5 m) w/ 1.5 in. (38 mm) back plate
- **Master Track Width** 8 ft. (2.43 m)
- **Centerline** 43.47 in. (1,105 mm)
- **Extension Track Length** 10 ft. (3 m)
- **Extension Track Width** 8 ft. (2.43 m)

Weights

- **Base Unit (Split Weight)** 10,300 lbs. (4,672 kg)
- **Power Pack (Split Weight) Tier 4** 11,200 lbs. (5,080 kg)
- **Master Pusher** 2,500 lbs. (998 kg)
- **Master Track** 8,200 lbs. (3,719 kg)
- **Lifting Sling** 900 lbs. (408 kg)
- **Total Weight Tier 4** 33,100 lbs. (15,014 kg)