

## UP-120 & UP-120B Underground Pullers



UP-120 UNDERGROUND PULLER

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The TSE Model UP-120& UP-120B Underground cable pullers provide infinite speed control and precise tension and distance monitoring. The 12" bullwheels are powered by a hydrostatic drive with a variable displacement axial piston pump and a two speed hydraulic motor. The cable payout is on demand with the the bullwheel drive system feeding the pulling rope when any load in excess of 1 lb. is placed on the cable.

In the high linepull range the unit has a continuous linepull of 12,000 lbs and a maximum speed of 110 fpm. In the high speed range the unit has a maximum continuous linepull of 6,000 lbs. and a maximum speed of 300 fpm. In either speed range the linespeed is infinitely variable from 0 to maximum. The speed control provides excellent inching capability throughout all line pull settings.

The storage reel will hold 2,300 ft. of 9/16 in. diameter steel pulling rope. A diamond lead screw automatic levelwind provides for even winding of the pulling rope onto the storage reel. The levelwind is driven from the storage reel and automatically traverses as the reel turns.

A dynamometer gauge is included calibrated in lbs. of linepull with an adjustable overload cut-off that will automatically stop the pull if the preset maximum line pull is reached. The unit is equipped with an emergency stop button and a 20 ft. long pendant cord. In the event the button is depressed all pulling will stop.

An 8 inch swivelling rear fairlead sheave is provided to guide the pulling rope into the machine, The sheave pivots through 360 degrees and has a locking screw to set it at any angle

At TSE, engineering is a process of continuous product improvement; therefore, specifications are subject to change without notice.

### STANDARD FEATURES

- 12,000 lb. maximum linepull.
- 0-300 fpm maximum linespeed range.
- 12" bullwheels with 5 grooves.
- Reel capacity of 2,300 ft. of 9/16" wire rope.
- Rope payout on demand.
- Automatic leadscrew levelwind.
- Swivelling rear fairlead.
- Remote emergency stop button.
- Overload cut-off.
- Tool box.
- 26 hp electric start gasoline engine on the UP-120.
- 61 hp gasoline engine and 175 cfm air compressor combination on the UP-120B.

### OPTIONAL EQUIPMENT

- Pivoting rear jib with multi-positional roller.
- Chart recorder kit.
- Three roller assembly for a larger bending radius.
- Hold down roller assembly with 4", 5" & 6" cabinet adapters to prevent pulling the duct out of the ground.

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