DITCH WITCH 1820, 1330, 1230, 1030

PEDESTRIAN TRENCHERS
GET WHAT YOU ASK FOR. DITCH WITCH.
DITCH WITCH 1820

Featuring a powerful 18hp (13.4 kW) engine, rugged components and straightforward operation, the Ditch Witch 1820 is a compact pedestrian trencher that helps you install underground service lines at residential and commercial sites with equal ease. The operator’s station features quick-reference controls and color-coded levers, so reliable performance is always within reach. On the business end, a strengthened sprocket hub and variety of digging chains keep the 1820 going even on those marathon workdays.
Operator presence system is standard equipment on all units.

Strengthened digging chain sprocket hub means great long-term performance.

Spoils auger attaches to and rotates with the headshaft.

Larger sheaves on headshaft drive provide longer belt life.

Weather resistant electrical connectors and an automotive-type fuse enhance reliability.

Minimal service points and convenient access to service areas make the 1820 easy to keep running.

The Ditch Witch organization supports all of its products with superior-quality parts, service and training, all available from a worldwide network of Ditch Witch dealers.

KEY FEATURES

Drive wheels can be locked for straight-line trenching or one wheel freed for maneuverability.

Hydraulically steerable axle; one lever moves wheels.

Mechanical digging drive requires less horsepower to do the same amount of work.

DETAILS
DITCH WITCH 1330

The 1330 is a compact walk-behind that is clearly in front of the 13-horsepower (9.7 kW) trencher field. Built for low maintenance and high reliability, the 1330 features an innovative hydraulic oil cooling system that keeps the trencher humming even on the hottest days. And its reversible digging chain easily dislodges rocks and soil, helping you keep your cool by minimizing your stop-and-start time.
Hydraulic oil cooler uses less fluid while providing longer pump life and maximum cooling efficiency; direct-drive fan helps the system run cooler and work more efficiently.

High-performance Ditch Witch digging chain systems available for trenching in most soil conditions; reversible digging chain easily dislodges rocks and soil.

Two-speed hydraulic ground drive provides high speed for maneuvering around the jobsite and low speed for excellent control while trenching.

Standard axle lock can engage both drive wheels for straight line trenching, or free one wheel for added maneuverability.

Easy-to-understand, easily accessible, color-coded controls help new operators quickly become proficient.

Compact enough to fit through a standard yard gate.
DITCH WITCH 1230, 1030

Do you want a good reason why Ditch Witch pedestrian machines have been the best-selling trenchers in the world? Here are two. The Ditch Witch 1030 and 1230 feature rugged mechanical digging drives and hydrostatic ground drives that never let you down. Their compact size lets you take them anywhere, while their solid frames and variety of digging chains let you take on any type of dirt.
**KEY FEATURES**

Unique, greasable bronze pivot bushing increases reliability.

Quiet, fuel-efficient Honda overhead-valve gasoline engine provides plenty of power.

Equipped for multiple sizes and types of digging chains, from standard cup-tooth to maximum-strength Shark Chain II.

**DETAILS**

Mechanical digging drive, hydrostatic ground drive; operator can stop the digging chain and ground drive but keep the engine running by releasing the handlebar bail.

Easily accessible, easy-to-use color-coded controls.

Closed-loop hydraulic ground drive system allows infinitely variable speeds to better match digging conditions.

Axle lock engages both drive wheels to put more power to the ground while trenching, or frees one wheel for easy maneuvering around the jobsite.

Compact enough to fit through a standard yard gate.
## SPECIFICATIONS

### 1820

**Ditch Witch Model: 1820 Self-Propelled, Walk-Behind, Hydraulically Steered, Chain-Type Trencher**

<table>
<thead>
<tr>
<th>U.S.</th>
<th>Metric</th>
</tr>
</thead>
<tbody>
<tr>
<td>48 in</td>
<td>1.22 m</td>
</tr>
<tr>
<td>32</td>
<td>0.81 m</td>
</tr>
<tr>
<td>64</td>
<td>1.62 m</td>
</tr>
<tr>
<td>3.5-18 in</td>
<td>89-455 mm</td>
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<tr>
<td>60</td>
<td>1.52 m</td>
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<tr>
<td>80</td>
<td>2.03 m</td>
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<tr>
<td>100</td>
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<tr>
<td>120</td>
<td>3.05 m</td>
</tr>
<tr>
<td>150</td>
<td>3.81 m</td>
</tr>
</tbody>
</table>

**Operation**

- **Vehicle Speeds:**
  - Maximum (Reverse): 35 km/h
  - Maximum (Forward): 50 km/h

- **Spools Handling:** Single, Open-End Auger

- **Trencher Cleat Type:** Mechanical

**Power Tractor**

- **Engine:**
  - Type: 4-Stroke, Overhead Valve
  - Displacement: 254 cm³
  - Bore: 76 mm
  - Stroke: 49 mm
  - Rated Speed: 3600 rpm

**Power Train**

- **Ground Drive Transmission:**
  - Clutch: Belt
  - Pump: Single
  - Driving Chain Drive: 3-Groove
  - Speed: 1200 RPM

**Tires/Pressure**

- **Drive, Standard:** 16 X 6.50-8; 14 PSI
  - 96 KPA

**Hydraulic System**

- **Drive Pump Capacity:** 10 GPM
  - 38 LPM

**Steering**

- **Type:** Dual-Acting

**Fluid Capacities**

- **Fuel:**
  - 20 gal
  - 76 L

- **Water:**
  - 2.5 gal
  - 9.5 L

- **Engine Oil:**
  - 2.5 gal
  - 9.5 L

**Battery**

- **Group:** 2V

- **SAE Cold Crank (C) @ 0° F (-18° C):**
  - 240 AH

### 1330

**Ditch Witch Model: 1330, Self-Propelled, Hydraulically Steered, Walk-Behind, Manually Operated, Two-Blade Drive, Reel Frame, Chain-Type Trencher**

<table>
<thead>
<tr>
<th>U.S.</th>
<th>Metric</th>
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<tbody>
<tr>
<td>32 in</td>
<td>0.81 m</td>
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<tr>
<td>35</td>
<td>0.89 m</td>
</tr>
<tr>
<td>38</td>
<td>0.97 m</td>
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<tr>
<td>4.5-48 in</td>
<td>110-1220 mm</td>
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<tr>
<td>60</td>
<td>1.52 m</td>
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<tr>
<td>62</td>
<td>1.57 m</td>
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<tr>
<td>75</td>
<td>1.90 m</td>
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<tr>
<td>85</td>
<td>2.16 m</td>
</tr>
<tr>
<td>100</td>
<td>2.54 m</td>
</tr>
</tbody>
</table>

**Operation**

- **Vehicle Speeds:**
  - Maximum (Reverse): 40 km/h
  - Maximum (Forward): 60 km/h

**Power Tractor**

- **Engine:**
  - Type: 4-Stroke, Overhead Valve
  - Displacement: 496 cm³
  - Bore: 100 mm
  - Stroke: 83 mm
  - Rated Speed: 3600 rpm

**Power Train**

- **Ground Drive Transmission:**
  - Clutch: Belt
  - Pump: Single
  - Driving Chain Drive: 3-Groove
  - Speed: 1200 RPM

**Tires/Pressure**

- **Drive, Standard:** 16 X 10.50-12; 22 PSI
  - 152 KPA

**Hydraulic System**

- **Drive Pump Capacity:** 10 GPM
  - 38 LPM

**Steering**

- **Type:** Dual-Acting

**Fluid Capacities**

- **Fuel:**
  - 3 gal
  - 11 L

**Battery**

- **Group:** N/A

- **Rating:** N/A

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*Dimensions are based on standard tires and standard boom, unless otherwise noted.*
### SPECIFICATIONS

**1230**

**DITCH WITCH MODEL: 1230 SELF-PROPELLED WALK-BEHIND, MANUINIALLY STEERED, TWO-WHEEL DRIVE, RUGGED FRAME, CHAIN-TYPE TRENCHER**

<table>
<thead>
<tr>
<th>U.S.</th>
<th>METRIC</th>
</tr>
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<tbody>
<tr>
<td>36 IN</td>
<td>910 MM</td>
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<tr>
<td>35</td>
<td>35</td>
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<tr>
<td>65</td>
<td>165</td>
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<td>4.5-8 IN</td>
<td>110-210 MM</td>
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<td>60°</td>
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<td>88 IN</td>
<td>2282 MM</td>
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<td>32 IN</td>
<td>810 MM</td>
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<td>32 IN</td>
<td>810 MM</td>
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<tr>
<td>20 IN</td>
<td>508 MM</td>
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**FLUID Capacities**

- Engine Oil: 2.3 PT (1.1 L)
- Hydraulic Oil: 2.3 PT (1.1 L)
- Gear Oil: 1.1 L

**Tires/Weight**

- Tread: 26 IN (660 MM)
- Width, Transport: 32 IN (810 MM)
- Transport Height: 68 IN (1727 MM)
- Transport Length: 88 IN (2235 MM)
- Transport Width: 88 IN (2235 MM)
- Wheelbase: 31 IN (787 MM)
- Transport Weight: 2064 LBS (935 KG)

** power Train**

- Longitudinal: 1,600 RPM
- Torque: 260 IN-LBS (290.7 N-M)
- Displacement: 30.6 CU IN (503.2 MM)
- Bore: 3.5 IN (88.9 MM)
- Stroke: 3.5 IN (88.9 MM)
- Bore/Stroke Ratio: 1:1
- Maximum RPM: 3,600 RPM
- Rated Speed: 1,600 RPM

<table>
<thead>
<tr>
<th>Power Train Specifications</th>
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<tbody>
<tr>
<td><strong>Type</strong></td>
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<tr>
<td><strong>Displacement</strong></td>
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<tr>
<td><strong>Torque</strong></td>
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<td><strong>Speed</strong></td>
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<td><strong>Output</strong></td>
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<tr>
<td><strong>Output</strong></td>
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<tr>
<td><strong>Horsepower</strong></td>
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</tbody>
</table>

**Fluid System**

- Coolant: Air
- Fuel Type: Gasoline
- Bore: 3.5 IN (88.9 MM)
- Stroke: 3.5 IN (88.9 MM)
- Horsepower: 15 HP (11.2 KW)
- Engine RPM: 2,750 RPM

**Specifications**

- Chain Speed: 276 FPM (84.4 M/MIN)
- Trench Speed: 155 FPM (47.2 M/MIN)
- Blade Speed: 1050 FPM (318 M/MIN)
- Angle of Approach: 35°
- Angle of Departure: 65°
- Transport Width: 88 IN (2235 MM)
- Transport Height: 47 IN (1194 MM)
- Transport Length: 88 IN (2235 MM)
- Boom Travel: Down: 60°
- Headshaft Height: 8.6 IN (218 MM)
- Boom Travel: Up: 47°
- Mower Lift: 4.5 IN (114 MM)
- Chain Speed: 276 FPM (84.4 M/MIN)
- Trench Speed: 155 FPM (47.2 M/MIN)
- Blade Speed: 1050 FPM (318 M/MIN)

**Power Train Specifications**

- **Type**: 4-STROKE, OVERHEAD VALVE
- **Displacement**: 30.6 CU IN (503.2 MM)
- **Bore**: 3.5 IN (88.9 MM)
- **Stroke**: 3.5 IN (88.9 MM)
- **Horsepower**: 15 HP (11.2 KW)
- **Engine RPM**: 2,750 RPM

### 1030

**DITCH WITCH MODEL: 1030 SELF-PROPELLED WALK-BEHIND, MANUINIALLY STEERED, TWO-WHEEL DRIVE, RUGGED FRAME, CHAIN-TYPE TRENCHER**

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<td>760 MM</td>
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**FLUID Capacities**

- Engine Oil: 2.3 PT (1.1 L)
- Hydraulic Oil: 2.3 PT (1.1 L)
- Gear Oil: 1.1 L

**Tires/Weight**

- Tread: 26 IN (660 MM)
- Width, Transport: 32 IN (810 MM)
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- Wheelbase: 31 IN (787 MM)
- Transport Weight: 2064 LBS (935 KG)

** power Train**

- Longitudinal: 1,600 RPM
- Torque: 260 IN-LBS (290.7 N-M)
- Displacement: 30.6 CU IN (503.2 MM)
- Bore: 3.5 IN (88.9 MM)
- Stroke: 3.5 IN (88.9 MM)
- Bore/Stroke Ratio: 1:1
- Maximum RPM: 3,600 RPM
- Rated Speed: 1,600 RPM

**Fluid System**

- Coolant: Air
- Fuel Type: Gasoline
- Bore: 3.5 IN (88.9 MM)
- Stroke: 3.5 IN (88.9 MM)
- Horsepower: 15 HP (11.2 KW)
- Engine RPM: 2,750 RPM

**Specifications**

- Chain Speed: 276 FPM (84.4 M/MIN)
- Trench Speed: 155 FPM (47.2 M/MIN)
- Blade Speed: 1050 FPM (318 M/MIN)
- Angle of Approach: 35°
- Angle of Departure: 65°
- Transport Width: 88 IN (2235 MM)
- Transport Height: 47 IN (1194 MM)
- Transport Length: 88 IN (2235 MM)
- Boom Travel: Down: 60°
- Headshaft Height: 8.6 IN (218 MM)
- Boom Travel: Up: 47°

**Power Train Specifications**

- **Type**: 4-STROKE, OVERHEAD VALVE
- **Displacement**: 30.6 CU IN (503.2 MM)
- **Bore**: 3.5 IN (88.9 MM)
- **Stroke**: 3.5 IN (88.9 MM)
- **Horsepower**: 15 HP (11.2 KW)
- **Engine RPM**: 2,750 RPM