With the Ditch Witch® JT20 Horizontal Directional Drill, less is more. Much more. Its turbocharged 74-hp engine produces less noise for the operator—86 dBA, among the quietest in its class—while its slim yet durable profile allows you to take more jobs in more places.

Industry-best cruise control system simplifies drilling and backreaming.

Turbocharged, 74-hp (55-kW) Deutz® diesel engine is Tier-4 compliant, requiring no expensive after-treatment.

Exceptionally efficient Sauer H1 hydrostatic pumps control rotation and thrust; design enhancements include a larger displacement pump and simplified, two-speed hydraulic thrust circuit for increased reliability.

Drilling fluid system pumps mud at 35 GPM; high fluid flows enable longer utility installations and better performance in sandy soils.

Auto-throttle feature saves fuel and reduces pollution by slowing the engine to idle after 15 seconds of inactivity; when you resume work, the auto-throttle engages.

Tethered ground drive controller allows you to maneuver the drilling unit to a position that provides better visibility and easier loading/unloading.

Advanced cooling system uses five fewer gallons of fluid than competitive systems for exceptional efficiency and less environmental impact.

The compact JT20 has a high ratio of power to size, allowing you to install more utilities in tight, congested areas.

Automated, intuitive carve mode reduces operator fatigue and is easy to set up and adjust; compatible with industry-leading TriHawk® HD housings and bits for superior efficiency and productivity in hard, compacted soils and soft rock.
Large-capacity, automatic drill pipe lubrication system.

Add-a-pipe feature places individual pipes into loading system without lifting pipe into the top of the pipe box.

Coordinated makeup feature increases the life of drill pipe joints by automatically matching carriage speed with rotation during pipe makeup and breakout.

Delivers 17,000 lb of thrust (75.6 kN) and 20,000 lb (89 kN) of pullback force for outstanding performance.

Heavy-duty stakedown system allows you to push or pull with full machine thrust and remain secure in virtually any drilling condition.

Dual independent rear stabilizers enhance stability on uneven or rough terrain.
**THE JT20 HORIZONTAL DIRECTIONAL DRILL IS EXCEPTIONALLY PRODUCTIVE FOR MANY REASONS, INCLUDING THE ROOMY OPERATOR’S STATION WHERE YOU ARE IN TOTAL CONTROL. IT FEATURES:**

- Simple, intuitive controls for all machine drilling functions.
- Industry-best cruise control system simplifies drilling and backreaming by reducing operator effort.
- Color LCD display provides engine diagnostics and informational messages.
- Ergonomic seat provides operator comfort, which results in greater productivity.
- Comfortable operator’s station provides excellent visibility of the drill pipe and pipeloading system; open-top vise wrenches are angled toward the operator for an excellent view of the tool joint.

**WHEN YOU’RE MORE COMFORTABLE, YOU’RE MORE PRODUCTIVE.**

**JT20 DIRECTIONAL DRILL**

**POWER PIPE® HD**
- Length of drill pipe, nominal: 120 in (3.05 m)
- Diameter of drill pipe, tool joint end: 2.63 in (66.8 mm)
- Diameter of drill pipe: 2.06 in (52.3 mm)
- Bend radius, min: 107 ft (32 m)
- Weight of drill pipe, lined: 67 lb (30.4 kg)

**POWER PIPE FORGED HD**
- Length: 120 in (3.05 m)
- Diameter of tool joint: 2.5 in (63.5 mm)
- Diameter of drill pipe: 2.10 in (53.3 mm)
- Bend radius, min: 109 ft (33.2 m)

**POWER PIPE FORGED HDX**
- Length: 120 in (3.05 m)
- Diameter of tool joint: 2.38 in (60.5 mm)
- Bend radius, min: 123 ft (37.5 m)

**BATTERY**
- SAE reserve capacity rating: 195 min
- SAE cold cranking rating @ 0°F (-18°C): 950 amps

**DRILLING FLUID SYSTEM (ON BOARD)**
- Pressure, max: 1,000 psi (69 bar)
- Flow, max: 35 gpm (132 l/min)

**FLUID CAPACITIES**
- Hydraulic reservoir: 19 gal (72 L)
- Fuel tank: 30 gal (114 L)
- Engine oil w/filter: 8.5 qt (8 L)
- Engine cooling system: 6.4 gal (24 L)

**OPERATION**
- Spindle speed, max: 210 rpm
- Spindle torque, max: 2,200 ft-lb (2980 N·m)
- Carriage thrust, travel speed: 140 fpm (43 m/min)
- Carriage thrust, pullback travel speed: 140 fpm (43 m/min)
- Thrust force: 17,000 lb (75.6 kN)
- Pullback force: 20,000 lb (89 kN)
- Bore diameter: 6 in (182 mm)
- Ground travel speed: 3.2 mph (5.2 km/h)

**POWER PIPE® HD**
- Length of drill pipe, nominal: 120 in (3.05 m)
- Diameter of drill pipe, tool joint end: 2.5 in (63.5 mm)
- Diameter of drill pipe: 2.10 in (53.3 mm)
- Bend radius, min: 109 ft (33.2 m)
- Weight of drill pipe, lined: 67 lb (30.4 kg)

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Specifications are general and subject to change without notice. If exact measurements are required, equipment should be weighed and measured. Due to selected options, delivered equipment may not necessarily match that shown.

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- Color LCD display provides engine diagnostics and informational messages.

**WHEN YOU’RE MORE COMFORTABLE, YOU’RE MORE PRODUCTIVE.**
THE DITCH WITCH® HDD SYSTEM INCLUDES:

HDD TOOLING
Get the most out of your directional drill with genuine Ditch Witch HDD tooling, from durable drill bits and backreamers, to drill pipe and beacon housings.

FLUID MANAGEMENT
Ditch Witch fluid-management systems include the innovative FM13X, a fluid-mixing system that features a pump that lubricates itself during mixing and works so efficiently that it delivers 20 percent more fluid than other models.

VACUUM EXCAVATORS
Featuring an innovative, low-profile design that doesn’t sacrifice power or ground clearance, our hydro excavation line of vacs delivers unrivaled versatility and performance.