



**Ditch
Witch**

3700



Ditch Witch 3700

Featuring total hydrostatic operation, the Ditch Witch 3700 delivers 45 gross horsepower (33 kW) at 3000 rpm to install buried power and communications cable; natural gas, water and sewer service lines, residential and commercial sprinkler systems; light-duty agricultural irrigation systems.

Key Features

Power

- Deutz F3L1011F air-cooled diesel engine with direct injection by individual cylinder injection pumps.
- Delivers 45 gross horsepower (33 kW) at 3000 rpm.

Productivity and Performance

- Direct hydrostatic digging chain drive and hydrostatic ground drive.
- A standard four-way hydraulic backfill blade with float is operated by a single handle for greater control.
- Optional attachments include; centerline and dual-position trenchers, vibratory plow, Combo trencher/plow, saw and two front-mounted utility backhoes.
- Features standard four-wheel drive power with infinitely variable ground speed control.
- Optional rear-wheel steering increases maneuverability in tight work areas.

Reliability

- Direct-coupled, high-torque digging chain motor is designed for increased production and reliability.
- There are no belts or chains to adjust or replace.

- The hydraulic system's large-capacity oil cooler features a unique flushing valve that helps to maximize power at the digging chain during long, hot duty cycles.

Operator Efficiency

- A foot control for the ground drive is standard equipment.
- All controls are straightforward, color-coded and located within the operator's reach.
- Standard "float" function on the back fill blade automatically makes small adjustments to better follow the contour of the ground.
- Relocated controls and a narrow-profile console make it easy for the operator to enter and exit the seat.

Maintenance

- All-hydrostatic design requires little routine maintenance.
- All engine service points are conveniently located on one side of the machine.
- An easy-access remote engine oil drain allows fast, clean oil changes.
- Genuine Pro Tech parts and service are provided by the worldwide Ditch Witch dealer organization.

Specifications

Dimensions	U.S.	Metric
Angle of approach	20°	20°
Overhang beyond tire	3.5 in	90 mm
Height	86 in	2.2 m
Length - transport	155 in	3.9 m
Wheelbase	48 in	1.2 m
Width	64 in	1.6 m
Tread	46 in	1.2 m
General	U.S.	Metric
Ditch Witch model 3700 tractor, 4-wheel drive, rigid frame, hydrostatic ground drive through rubber tires, 2-wheel power steering, hydrostatic attachment drive, riding unit.		
Operation	U.S.	Metric
Vehicle speeds		
Max. forward speed	4.3 mph	7.2 km/h
Max. reverse speed	1.7 mph	2.8 km/h
Max. digging chain speed @ 2500 rpm engine speed	420 fpm	128 m/min
Vehicle clearance circle (SAE)		
With front wheel steer	28 ft	8.5 m
With rear wheel steer	20 ft	6.1 m

Operating weight*	4200 lb	1910 kg
Max. headshaft speed @ 2500 rpm engine	210 rpm	210 rpm
Auger: single, tapered, with outboard support bearing		
Max. diameter	24 in	610 mm
Min. diameter	18 in	460 mm
Length	13 in	330 mm
* Operating weight based on H313 attachment with shortest boom, 6 in (150 mm) wide chain, and 175 lb (79 kg) operator.		
Backfill Blade		
Blade width	64 in	1.6 m
Blade height	14 in	355 mm
Lift height above ground	12 in	300 mm
Blade drop below ground	8 in	200 mm
Maximum swing angle (left/right)	28°	28°
Tilt angle (up/down)	11°	11°
Power Train	U.S.	Metric
Ground drive transmission: hydrostatic drive infinitely variable from zero to max., foot pedal and hand lever operated speed /direction control.		
Differentials: Dana model 44 (Dana model 60 optional)		
Service brake: ground drive speed/direction control brakes machine hydraulically when moved to neutral position.		
Parking brake: Disc, hand operated		
Tires: load rating at recommended pressure @ 10 mph (16 km/h)		
Standard: 26 x 12.00-12,4-ply bar lug, 1780 lb @ 20 psi, 807 kg @ 1.4 bar		
Optional: 29 x 12.50-15, 4-ply bar lug, 2255 lb @ 30 psi, 1022 kg @ 2.1 bar		
Attachment drive transmission: hydrostatic, lever-operated speed infinitely variable from zero to maximum forward with limited stroke reverse.		
Power	U.S.	Metric
Engine: Deutz F3L1011F, air cooled diesel, direct injection with individual cylinder injection pumps		
Fuel: Diesel		
Displacement	125 in ³	2050 cm ³
Bore	3.58 in	90 mm
Stroke	4.13 in	105 mm
Engine gross power @ 3000 rpm	45 hp	33 kW
Max. governed speed as installed (no load)	2650 rpm	2650 rpm
SAE net power @ 2500 rpm	37.5 hp	28 kW
Hydraulic System	U.S.	Metric
Ground drive pump capacity	28.4 gpm	107 L/min
Ground drive pump relief pressure	3750 psi	258 bar
Attachment pump capacity	28.4 gpm	107 L/min
Trencher chain pump relief pressure	5000 psi	345 bar

Plow and saw pump relief pressure	3750 psi	258 bar
Auxiliary pump capacity	11 gpm	42 L/min
Auxiliary pump relief pressure	2500 psi	172 bar
Fluid Capacities	U.S.	Metric
Fuel tank	13 gal	49 L
Engine oil (refill)	6 qt	5.5 L
Hydraulic reservoir	9.5 gal	36 L
Hydraulic system	13 gal	49 L
Battery	U.S.	Metric
Group 26/26R/70, cold crank @ 0°F (-18°C), 500 amp - cranking amps @ 32°F (0°C), 700 amp		
Noise Level	U.S.	Metric
Operator 91 dbA sound pressure per ISO 6394		
Exterior 106 dbA sound power per ISO 6393		
Specifications are called out according to SAE recommended practices. 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.		

