

# HT275 TRENCHER



## KEY FEATURES/BENEFITS

### MAXIMIZED POWER

Built for pipeline distribution, underdrain installation and other heavy-duty trenching tasks, the Ditch Witch® HT275 provides exceptional power and productivity with a Cummins® 275-hp (205-kW) Tier 4 engine.

### UNRIVALED VERSATILITY

The patent-pending design offers up to four purpose-built attachments for jobsite versatility and installations up to 10 ft deep and 26 in wide to optimize digging efficiencies in dirt and rock.

### PROVEN PERFORMANCE

An integrated tractor tilt design provides the ability to dig a completely vertical ditch on a side slope. The track-tilt option allows both tracks to remain flat on the ground on uneven terrain. The unique, patent-pending design allows tracks to float independently for enhanced ground engagement and improved reliability.

### INDUSTRY-LEADING CAB

The hydraulic sliding cab offers industry-leading visibility and boosts operator comfort with the most spacious cab in its class.

### SIMPLIFIED MAINTENANCE

The innovative design offers easy access to the undercarriage, engine and hydraulic components, making routine maintenance and serviceability easy.

### ENHANCED PRODUCTIVITY

The HT275 is equipped with multiple chain styles with various cut/tooth patterns to best meet the needs of each unique jobsite. All chain is available through your local Ditch Witch dealership.

 **Ditch Witch®**



# HT275 TRENCHER SPECIFICATIONS

## DIMENSIONS (STD)

	U.S.	METRIC
Height, transport	138 in	3505.2 mm
Height, transport w/rubber track pads	139.12 in	3533.7 mm
Length, transport (tractor only)	240 in	6096 mm
Length, transport (w/6 ft boom & trench cleaner)	450 in	11430 mm
Width, transport	100.39 in	2549.9 mm
Weight, transport (max tractor only)	41,000-48,000 lb	18597.3-21772.4 kg

## CENTERLINE TRENCHER

	U.S.	METRIC
Trench depth		
Single chain	4, 6, 8, 10 ft	1.22, 1.83, 2.44, 3.05 m
Double chain	4, 6, 8 ft	1.22, 1.83, 2.44 m
Trench width		
Single chain	14, 16, 18, 20, 22 in	355.6, 406.4, 457.2, 508, 558.8 mm
Double chain	22, 24, 26 in	558.8, 609.6, 660.4 mm
Digging chain speed	225-850 fpm	1.14-4.32 m/s
Weight (dependent on boom option)	24,000-30,500 lb	10886.2-13834.6 kg
Width	100.39	2549.9 mm
Height	138 in	3505.2 mm
Length (6 ft boom option)	265.25 in	6737.35 mm

## POWER

	U.S.	METRIC
Engine		
Tier 4	Cummins® QSL9	
Tier 3	Cummins QSC8.3	
Fuel	Diesel	
Cooling medium	Liquid	
Injection	High pressure common rail	
Aspiration	Turbo charged & air to air after cooled	
Number of cylinders	6	
Displacement (Tier 4)	549.21 in <sup>3</sup>	9 L
Bore (Tier 4)	4.49 in	114.05 mm
Stroke (Tier 4)	5.69 in	144.53 mm
Manufacturer's gross power rating (SAEJ1995)	275 hp	
Rated speed	2,200 rpm	
Electrical system	24V	

## OPERATION

	U.S.	METRIC
Ground drive speed, high		
Forward/reverse	2.5 mph	4 km/h
Ground drive speed, low		
Forward/reverse	1.25 mph	2 km/h

## HYDRAULIC SYSTEM

Open loop		
Flow rate, max	22 gpm	83.28 l/min
Pressure, max	2,500 psi	172.37 bar
Ground drive		
Closed loop		
Cutting circuit		
Closed loop		
Flow rate, max	95 gpm	359.6 l/min
Pressure, max	5,000 psi	344.74 bar
Conveyor drive		
Closed loop		

## FLUID CAPACITIES

Fuel tank	145 gal	548.89 L
Engine oil, w/filter	20 qt	18.93 L
Hydraulic reservoir capacity	91 gal	344.47 L
Diesel exhaust fluid (T4)	10 gal	37.85 L
Trencher gear box	4.5 qt	4.26 L
Undercarriage final drives	6.5 qt	6.15 L
Pump drive	2.25 gal	8.52 L

## BATTERY

Voltage, 2 connected in series	12v
SAE reserve capacity rating	430 min
SAE cold crank @ 0°F (-18°C)	1,450 amps

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.