

ZAHN[®] R300

 **Ditch Witch[®]**



POWER UTILITY

ZAHN® R300 POWER UTILITY



12 Robust, 30-hp (22.4-kW) Kohler® engine maximizes front-end productivity.

1 Ground speed of up to twice that of any walk-behind trencher and faster than any mini skid steer on the market.

2 Soft-touch, color-coded, ergonomic controls are easy to grip, easy to learn and provide smooth, easy operation.

3 Standard cruise control, which locks in operating speeds, reduces operator fatigue and increases productivity.

4 Fully hydraulic, articulated steering provides unmatched maneuverability, enabling you to easily trench a curve.

5 9-gallon (34.06-L) fuel tank enables you to work hours without having to refuel.

11 High-flotation tires distribute weight evenly to minimize impact on lawns and other delicate turf; optional tracks increase stability and performance.

10 Traction-assist feature provides extra drawbar on demand, so you can push more, pull more and traverse soft ground with minimal tire slippage.

9 Compact size, so it can get in, out and around tight jobsites with ease.

8 Unique InterChange™ connection enables the front end to perform like a dedicated unit.

7 Convenient cargo tray for storing water bottle, work gloves, cell phone, or assorted tools.

6 Roomy, ride-on platform absorbs shock, reduces fatigue and keeps you out of dirt, mud and debris.



The Ditch Witch® Zahn® R300 is the best compact trencher ever made—and also the best backhoe, tool carrier and vibratory plow. With an ordinary machine with attachments, you expect to give up a little performance. But the Zahn R300 is nowhere near ordinary. With its unique InterChange™ connection, the front end becomes the machine and performs like a dedicated unit. With the Zahn R300 you get more power, more speed and, best of all, more productivity.

WE'RE IN THIS TOGETHER.



ZAHN® TRENCHER SPECIFICATIONS CONTINUED

HEADSHAFT SPEEDS @ 3,600 RPM ENGINE	4-WHEEL DRIVE		HEADSHAFT AUGER		INDEPENDENT AUGER	
	U.S.	METRIC	U.S.	METRIC	U.S.	METRIC
Low speed/high torque	186 rpm		186 rpm		186 rpm	
Medium speed/medium torque	244 rpm		244 rpm		244 rpm	
High speed/low torque	282 rpm		282 rpm		282 rpm	
POWER TRAIN						
Digging chain drive	Hydraulic direct drive		Hydraulic direct drive		Hydraulic direct drive	
Digging chain	33,000 lb or 35,000 lb		33,000 lb or 35,000 lb		33,000 lb or 35,000 lb	
Spoils handling drive	Hydraulic, independent		Hydraulic, independent		Hydraulic, independent	
Chain drive sprocket	Forged and tempered		Forged and tempered		Forged and tempered	
OPERATION						
Digging chain speed						
Min	230 ft/min	70.1 m/min	290 ft/min	88.4 m/min	230 ft/min	70.1 m/min
Max	290 ft/min	88.4 m/min	364 ft/min	111 m/min	364 ft/min	111 m/min
Trench cleaner type, mechanical						
Min	4 in	102 mm	4 in	102 mm	4 in	102 mm
Max	12 in	305 mm	8 in	203 mm	8 in	203 mm
Spoils handling	Single open end auger		Single open end auger		Single open end auger	
Auger size	6.18-in OD x 2-in ID x 17.25-in long		18-in OD x 2-in ID x 8.7-in long		6.18-in OD x 2-in ID x 17.25-in long	
TIRES/PRESSURE						
Urethane-filled trail wheel	N/A	N/A	16 x 6.5-8, ply, bar lug		16 x 6.5-8, ply, bar lug	
Tire assembly mass	N/A	N/A	18 lb	8.16 kg	18 lb	8.16 kg

ZAHN R300 POWER UTILITY SPECIFICATIONS

DIMENSIONS	U.S.	METRIC	POWER	U.S.	METRIC
	Mobile length	70 in		1.78 m	Engine
Wheelbase	34.2 in	869 mm	Fuel	Gasoline	
Tractor back to rear axle	26.8 in	681 mm	Cooling medium	Air	
Rear axle to attachment mounting	19.2 in	488 mm	Number of cylinders	2	
Attachment mounting to front axle	15 in	381 mm	Displacement	45.6 in³	747 cm³
Mobile height	53.5 in	1.36 m	Bore	3.3 in	83 mm
Ground clearance	5.3 in	135 mm	Stroke	2.7 in	69 mm
Platform height	10.7 in	272 mm	Manufacturer's power rating	30 hp	22.4 kW
Width	36 in	914 mm	Rated speed	3,600 rpm	
Angle of departure	25°		POWER TRAIN		
Weight w/tires	1,290 lb	585 kg	Parking brake	Mechanical, hand operated	
Weight w/tracks	1,629 lb	738 kg	Service brake	Ground drive speed/direction control brakes machine hydraulically when moved to neutral position	
Mass	1,290 lb	585 kg	FLUID CAPACITIES		
Vehicle clearance circle (SAE) wall to wall			Fuel tank	9 gal	34.06 L
Right turn, 18 x 9.5-8 tires	11.3 ft	3.44 m	Engine oil, w/filter	2 qt	1.9 L
Left turn, 18 x 9.5-8 tires	10.5 ft	3.2 m	Hydraulic reservoir	7.7 gal	29.1 L
Right turn, tracks	15.8 ft	4.80 m	Total hydraulic system volume	8.5 gal	32.2 L
Left turn, tracks	16.7 ft	5.08 m	TIRES/PRESSURE		
OPERATION			18 x 9.5-8, 2 ply, bar lug	12 psi	82.7 kPa
Ground drive speed, forward/reverse			Tire assembly mass	22 lb	9.98 kg
Low	3.5 mph	5.6 km/h	Urethane filled 18 x 9.5-8, 2 ply, bar lug	N/A	
High	5 mph	8 km/h	Tire assembly mass	36 lb	16.33 kg
HYDRAULIC SYSTEM			Urethane filled 20 x 10-8, ply, bar lug	N/A	
Auxiliary: gear pump			Tire assembly mass	49 lb	22.23 kg
Flow rate	12 gpm	46 l/min	18 x 8.5-8, 2 ply, turf	22 psi	151.7 kPa
Pressure	3,000 psi	207 bar	Tire assembly mass	20 lb	9.07 kg
Ground drive: hydrostat			BATTERY		
Flow rate	19.3 gpm	73 l/min	SAE reserve capacity rating	32 min	
Pressure	3,500 psi	241 bar	SAE cold crank rating @ 0°F (-18°C)	200 amps	
Ground pressure					
18x9.5-8 tires	10 psi	.7 bar			
20x10-8 tires	9 psi	.6 bar			
Tracks, averaged	3.11 psi	.21 bar			

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.