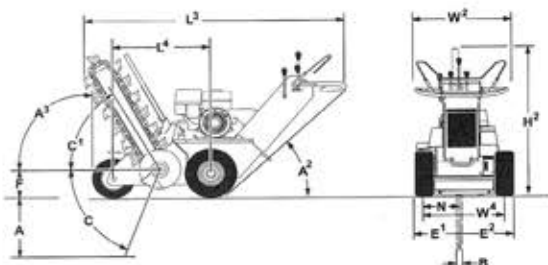


# S P E C S

# 1330



DIMENSIONS	U.S.	METRIC
A Trench depth, maximum	36 in.	915 mm
B Trench width	43-6 in.	110-150 mm
C Boom travel down	60"	60"
C1 Boom travel up	60"	60"
F Headshaft height, digging chain	8.6 in.	220 mm
L3 Length	84 in.	2.1 m
W2 Width	33 in.	840 mm
H2 Height	49 in.	1.2 m
W4 Tread	26 in.	660 mm
A2 Angle of departure	34°	34°
L4 Wheelbase	32 in.	810 mm
E1 Centerline trench to outside edge of machine, left	15.7 in.	400 mm
E2 Centerline trench to outside edge of machine, right	17.3 in.	440 mm
N Spoil discharge reach	10.6 in.	270 mm
A3 Angle of approach	85°	85°

Unless otherwise noted, dimensions are based on 16x6.50x8 tires, 6-in (150-mm) pivot, and 24-in (610-mm) boom in transport position.

## GENERAL

Ditch Witch model 1330, self-propelled, hydraulic, pedestrian, manually steered, two wheel drive rigid frame, chain type trencher.

## OPERATIONAL

Vehicle speeds		
Maximum transit forward	115 fpm	35 m/min
Maximum transit reverse	115 fpm	35 m/min
Digging chain speed	275 fpm	84 m/min
Spoils handling (single, open-end auger)		
Outer diameter	12 in.	305 mm
Inner diameter	4 in.	102 mm
Length	9 in.	229 mm

Operating weight (with 33,000 lb [14,989 kg] test, two-pitch digging chain and 24 in [610 mm] roller boom) 920 lb 417 kg

## POWER

Engine:	Honda GX390
Fuel:	gasoline
Cooling medium:	air
Number of cylinders:	one
Displacement	23.7 in <sup>3</sup> 389 cm <sup>3</sup>
Bore	3.53 in. 90 mm
Stroke	2.52 in. 64 mm
Gross power @ 3600 rpm	13 hp 9.7 kW
Maximum governed speed installed (no load)	3600 rpm 3600 rpm
Flywheel power @ 3200 rpm (full load)	12 hp 8.9 kW
Fuel consumption @ 3600 rpm	.89 gph 3.4 L/hr
Maximum tilt angle	20° 20°

## BATTERY

113 CCA, 12V

## POWER TRAIN

Ground drive transmission: hydraulic two speeds, infinitely variable from zero to maximum, gearbox to axle, speed and direction controlled with single lever.

Digging chain drive: hydraulic direct drive, lever-operated, one speed forward and reverse

Trencher drive: hydraulic direct drive

Pump drive: direct drive from engine

Spoils handling drive: mechanical, attached to and rotates with headshaft

## TIRES

	U.S.	METRIC
Drive, standard: 16x6.50x8	15 psi	1 bar
Drive, optional: 16x8.50x8	22 psi	1.5 bar
Trail: 13x5.00x6		

## HYDRAULIC SYSTEM

Tandem pump capacity @ 3600 rpm		
To digging drive	5.7 gpm	21.5 L/min
To ground drive	1.4 gpm	5.3 L/min
Total	7.1 gpm	26.8 L/min

## FLUID CAPACITIES

Hydraulic reservoir	4.5 gal	17 L
Hydraulic system	5 gal	19 L
Axle reducer oil	2.75 pt	1.3 L
Fuel tank	1.7 gal	6.5 L
Engine oil	2.3 pt	1.1 L

## NOISE LEVELS

Operator 86 dBA sound pressure per ISO 6394  
Exterior 100 dBA sound power per ISO 6393

## VIBRATION LEVELS

Vibration at the operator's hand during normal operation is 8.4 m/s<sup>2</sup>

Unless otherwise specified, all figures are for standard equipment only.

Specifications are called out according to SAE recommended procedures. 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 described.

Call Before You Dig!



1-888-258-0808



ISO-9001 QUALITY SYSTEM CERTIFIED

AUTHORIZED DEALER:

**Ditch Witch®**  
THE UNDERGROUND AUTHORITY  
WORLDWIDE.

The Charles Machine Works, Inc.

Ditch Witch® Worldwide Headquarters

Perry, OK 73077-0066 U.S.A.

(800) 654-6481 • (580) 336-4402

Fax: (580) 336-3458 • International Fax: (580) 336-3526

www.ditchwitch.com

F 7017795-09/2002-1