

# C SERIES TRENCHERS



## KEY FEATURES/BENEFITS

### EXCLUSIVE, PATENT-PENDING OFFSET REAR TIRE DESIGN

delivers balanced traction, optimal weight distribution for increased production over competitive rubber tire units.

**PATENT-PENDING PIVOTING TRAIL WHEEL** allows easier turning, better maneuverability, and smoother operation on rough terrain or pavement.

### NEW ROBUST, STRAIGHTFORWARD PIVOT DESIGN

is maintenance-free and increases unit uptime.

### GREASELESS SEALED BEARING DESIGN

with construction grade seals help increase machine longevity.

**NO DAILY GREASE POINTS**—a Ditch Witch® exclusive—means less hassle and prep to keep your trenchers rental-ready.

**RESPONSIVE, EASY-TO-USE CONTROLS** provide smoother operation.

INTRODUCING THE  
**C SERIES**  
**WALK-BEHINDS**

C12, C14, C16



# C SERIES WALK-BEHIND TRENCHERS SPECIFICATIONS

DIMENSIONS*	C16	C14	C12
Headshaft height	13 in (330 mm)	13 in (330 mm)	13 in (330 mm)
Length, transport	92 in (2 m)	84 in (2 m)	84 in (2 m)
Width, transport	31.5 in (800 mm)	31.5 in (800 mm)	31.5 in (800 mm)
Height, transport	48 in (1.2 m)	48 in (1.2 m)	48 in (1.2 m)
Centerline trench to outside edge machine			
Left	14 in (356 mm)	14 in (356 mm)	14 in (356 mm)
Right	17.3 in (439 mm)	17.3 in (439 mm)	17.3 in (439 mm)
<b>POWER</b>			
Engine	Briggs & Stratton® Vanguard™ 16*	Briggs & Stratton® 2100 Series*	Honda® GX390**
Fuel	Gasoline	Gasoline	Gasoline
Cooling medium	Air	Air	Air
Number of cylinders	2	1	1
Manufacturer's net horsepower rating*	16 hp (11.9 kW)	13.5 hp (10 kW)	12 hp (8.7 kW)
Net torque @ 2,500 rpm	19.5 lb-ft (26.4 N-m)	25 lb-ft (33.9 N-m)	35.6 lb-ft (48.3 N-m)
Rated speed	3,600 rpm**	3,600 rpm*	3,600 rpm*
Fuel consumption @ rated power	1.33 gph (5 lph)	1.3 gph (4.9 lph)	0.92 gph (3.5 lph)
Starting	Electric	Rope Pull	Rope Pull
<b>POWER TRAIN</b>			
Ground drive transmission: hydraulic, Infinite variable from zero to maximum, speed and direction control			
Digging chain drive: hydraulic direct drive, one speed forward and reverse			
Pump drive: direct drive from engine			
Tire size	16 x 6.5-8	16 x 6.5-8	16 x 6.5-8
Trencher drive			
Hydraulic	Direct drive	Direct drive	Direct drive
Digging chain	19K/33K/35K	19K/33K/35K	19K/33K/35K
Ground pressure	4.5 psi	4.5 psi	5 psi
<b>OPERATION</b>			
Vehicle speeds w/track, max			
Transit forward	125 fpm (60 m/min)	149 fpm (60 m/min)	147 fpm (51 m/min)
Transit reverse	125 fpm (39.5 m/min)	111 fpm (39.5 m/min)	120 fpm (21 m/min)
Digging chain speed @ 3,600 rpm			
19K	366 fpm (118.5 m/min)	416 fpm (118.5 m/min)	416 (118.5 m/min)
33/35K	309 fpm (118.5 m/min)	351 fpm (118.5 m/min)	351 fpm (128 m/min)
Spoil handling			
Auger, type	Single, open end	Single, open end	Single, open end
Auger, size	17 in	17 in	17 in
Trench cleaner type			
Trench cleaner type	Mechanical	Mechanical	Mechanical
Trench cleaner size	4-6 in (102-152 mm)	4-6 in (102-152 mm)	4-6 in (100-152 mm)
Operating weight	1,528 lb (693 kg)	1,191 lb (540 kg)	1,195 lb (542 kg)
<b>HYDRAULIC SYSTEM @ 3,600 RPM</b>			
Digging drive pump capacity	10 gpm (45 l/min)	6 gpm (45 l/min)	6 gpm (45 l/min)
Ground drive dual hydrostat pump	11.4 gpm total (43 l/min)	11.4 gpm total (43 l/min)	11.4 gpm total (43 l/min)
Filtration	10 micron absolute	10 micron absolute	10 micron absolute
<b>FLUID CAPACITIES</b>			
Fuel tank	2.3 gal (6.5 L)	1.7 gal (6.5 L)	1.6 gal (13 L)
Engine oil	1.6 qt (1.1 l)	1.8 qt (1.7 L)	2.1 qt (2 L)
Hydraulic reservoir	7 gal (26 l)	7 gal (26 L)	7 gal (26 L)
Hydraulic system	8.5 gal (32 l)	8.5 gal (32 L)	8.5 gal (32 L)
<b>TRENCH SIZE, MAX</b>			
Depth	36 in (914 mm)	24 in (609 mm)	24 in (609mm)
Width	6 in (152 mm)	6 in (152 mm)	6 in (152 mm)
<b>NOISE LEVEL</b>			
Operator	87 dBA sound pressure per ISO 6394	91 dBA sound pressure per ISO 6394	92 dBA sound pressure per ISO 6394
Exterior	97 dBA sound power per ISO 6393	101 dBA sound power per ISO 6393	101 dBA sound power per ISO 6393
<b>VIBRATION LEVEL</b>			
	Vibration at the operator's hand during normal operation is less than 2.5 m/s <sup>2</sup> .	Vibration at the operator's hand during normal operation is less than 2.5 m/s <sup>2</sup> .	Vibration at the operator's hand during normal operation is less than 2.5 m/s <sup>2</sup> .

\* SAE J1940 Gross or Net. \*\* SAE J1349 Net.

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.