



C SERIES

WALK-BEHIND TRENCHERS



FEATURES & BENEFITS

EXCLUSIVE, PATENTED OFFSET REAR TIRE DESIGN delivers balanced traction, optimal weight distribution for increased production over competitive rubber tire units.

PATENTED 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.

C SERIES WALK-BEHIND TRENCHERS

DIMENSIONS*

	C16	C14
Headshaft height	13 in (330 mm)	13 in (330 mm)
Length, transport	92 in (2 m)	84 in (2 m)
Width, transport	31.5 in (800 mm)	31.5 in (800 mm)
Height, transport	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)
Right	17.3 in (439 mm)	17.3 in (439 mm)

POWER

Engine	Briggs & Stratton® Vanguard™ 16*	Briggs & Stratton 2100 Series*
Fuel	Gasoline	Gasoline
Cooling medium	Air	Air
Number of cylinders	2	1
Manufacturer's net horsepower rating*	16 hp (11.9 kW)	13.5 hp (10 kW)
Net torque @ 2,500 rpm	19.5 ft•lb (26.4 N•m)	25 ft•lb (33.9 N•m)
Rated speed	3,600 rpm**	3,600 rpm*
Fuel consumption @ rated power	1.33 gph (5 lph)	1.3 gph (4.9 lph)
Starting	Electric	Rope pull

POWER TRAIN

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
Trencher drive		
Hydraulic	Direct drive	Direct drive
Digging chain	33K/35K	33K/35K
Ground pressure	4.5 psi	4.5 psi

OPERATION

Vehicle speeds w/track, max		
Transit forward	125 fpm (60 m/min)	149 fpm (60 m/min)
Transit reverse	125 fpm (39.5 m/min)	111 fpm (39.5 m/min)
Digging chain speed @ 3,600 rpm		
19K	366 fpm (118.5 m/min)	416 fpm (118.5 m/min)
33/35K	309 fpm (118.5 m/min)	351 fpm (118.5 m/min)
Spoil handling		
Auger, type	Single, open end	Single, open end
Auger, size	17 in	17 in
Trench cleaner type	Mechanical	Mechanical
Trench cleaner size	4-6 in (102-152 mm)	4-6 in (102-152 mm)
Operating weight	1,528 lb (693 kg)	1,191 lb (540 kg)

HYDRAULIC SYSTEM @ 3,600 RPM

Digging drive pump capacity	10 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)
Filtration	10 micron absolute	10 micron absolute

FLUID CAPACITIES

Fuel tank	2.3 gal (8.7 L)	1.7 gal (6.4 L)
Engine oil	1.6 qt (1.5 L)	1.8 qt (1.7 L)
Hydraulic reservoir	7 gal (26.5 L)	7 gal (26.5 L)
Hydraulic system	8.5 gal (32 L)	8.5 gal (32 L)

TRENCH SIZE, MAX

Depth	36 in (914 mm)	24 in (609 mm)
Width	6 in (152 mm)	6 in (152 mm)

NOISE LEVEL

Operator	87 dBA sound pressure per ISO 6394	91 dBA sound pressure per ISO 6394
Exterior	97 dBA sound power per ISO 6393	101 dBA sound power per ISO 6393

VIBRATION LEVEL

	Vibration at the operator's hand during normal operation is less than 2.5 m/s ² .	Vibration at the operator's hand during normal operation is less than 2.5 m/s ² .
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* 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.

