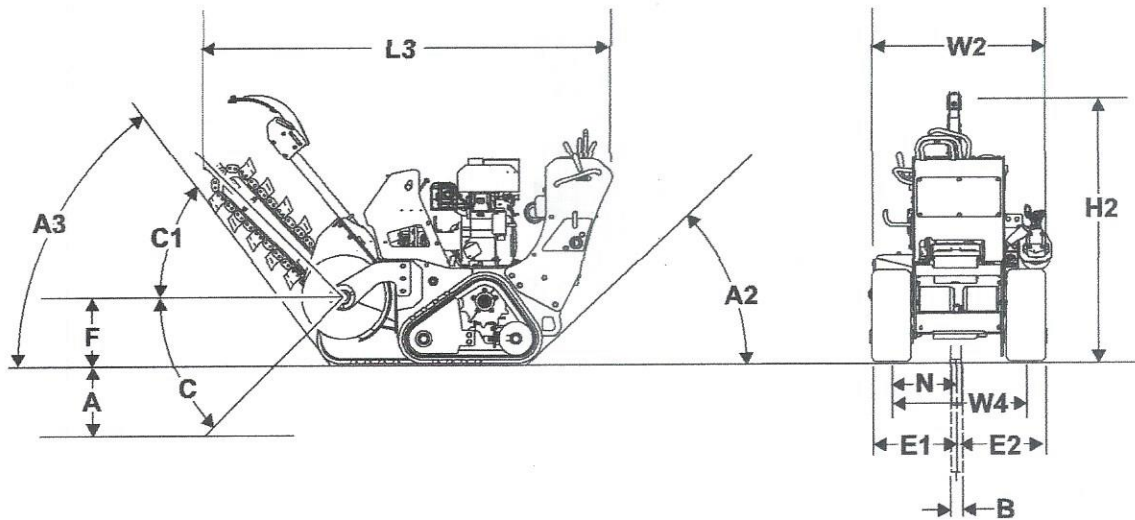


C16x

C16x



.47om034h.eps

Dimensions		U.S.	Metric
A	Trench depth, maximum	24 in	609 mm
B	Trench width	4.3	110 mm
C	Boom travel down	63°	63°
C1	Boom travel up	60°	60°
F	Headshaft height, digging chain	13.7 in	348 mm
L3	Length, maximum	94 in	2390 mm
W2	Width	35.8 in	909 mm
H2	Height	57 in	1450 mm
W4	Tread	27 in	686 mm
A2	Angle of departure	45°	45°
E1	Centerline trench to outside edge of machine, left	17.2 in	437 mm
E2	Centerline trench to outside edge of machine, right	18.6 in	472 mm
N	Spoil discharge reach	14.1 in	358 mm
A3	Angle of approach	52°	52°



Unless otherwise noted, dimensions are based on 36" (915 mm) boom in transport position.

Operational		U.S.	Metric
Vehicle speeds			
	Maximum transit forward	120 fpm	36.6 m/min
	Maximum transit reverse	120 fpm	36.6 m/min
Digging chain speed			
	19K	366 fpm	111.6 m/min
	35K	309 fpm	94.2 m/min
Spoils handling (single, open-end auger):			
	Outer diameter	17 in	432 mm
Maximum operating weight		1895 lb	860 kg

Power		U.S.	Metric
Engine: Briggs & Stratton® Vanguard™ 16.0 Small Block V-Twin Horizontal Shaft			
Fuel: gasoline			
Cooling medium: air			
Number of cylinders: two			
Displacement		29.23 in ³	479 cm ³
Bore		2.68 in	68 mm
Stroke		2.60 in	66 mm
Manufacturer's net power rating @ 3600 rpm (SAE J1940)		16 hp	11.9 kW
Rated speed		3600 rpm	3600 rpm
Fuel consumption		1.33 gph	5 L/h
Maximum tilt angle*		20°	20°

*Exceeding these operational angles will cause engine damage. This DOES NOT IMPLY machine is stable to maximum angle of safe engine operation.

Battery

310 CA, 12V, reserve capacity 30 min

Power Train		U.S.	Metric
Hydraulic ground drive: infinitely variable from zero to maximum, speed and direction controlled with dual levers			
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			
Track			
	Width	200 mm	200 mm
	Ground pressure	4.5 psi	31 kPa

Hydraulic System		U.S.	Metric
Dual pump total capacity @ 3600 rpm		11.5 gpm	43.5 L/min
Pump characteristics @ 3600 rpm to ground drive:			
	Pressure, relief valve setting	2200 psi	152 bar
	Capacity	1.5 gpm	5.7 L/min
Pump characteristics @ 3600 rpm to digging drive:			
	Pressure, relief valve setting	3500 psi	241 bar
	Capacity	10 gpm	37.9 L/min

Fluid Capacities		U.S.	Metric
Hydraulic reservoir		11 gal	41.6 L
Hydraulic system		11.5 gal	43.5 L
Fuel tank		2.3 gal	6.5 L
Engine oil		47 oz	1.47 L

Noise Levels

This machine can generate sound levels exceeding 80 dBA. Always wear appropriate hearing protection when operating machine. Find sound power and pressure information at www.ditchwitch.com, or contact customersupport@ditchwitch.com.

Vibration Levels

Vibration at the operator's hand during normal operation is less than 2.5 m/s²

