

Earth Pro™
Solid

ASTEC

TF300B TRENCHER



BREAKTHROUGH SOLUTIONS

TF300B TRENCHER

ENGINE

Manufacturer	Briggs & Stratton
Model	Vanguard
Type	Gasoline
Cylinders	2 (V-twin)
Bore/Stroke	2.97" x 2.76" (7.5 x 7 cm)
Displacement	38 in (627 cc)
Horsepower	18.5 (13.8 kW) @ 3100 rpm
Max. torque	32 lb-ft (43.3 N-m) @ 2400 rpm

DRIVELINE

- Hydraulic drive with final drives sealed and enclosed in oil.
- Infinitely variable speed.
- Direct-drive clutches and multi-disc steering brakes.
- Two speed ranges, transport and working.
- Hydraulic fixed displacement pump with variable flow from valve to fixed displacement motor on final drive.

Travel/work speeds

Transport	1.8 mph (2.2 km/h)
Working	0 to 30 ft./min. (9.1 m/min.)

OPERATOR ENVIRONMENT

- Electric start and shut-down
- Hand throttle and choke
- Single lever forward/reverse
- Dual steering and brake levers
- Variable speed creep control
- Trencher chain clutch lever
- Optional backfill blade controls
- Operator noise level at 86.7 dB
- Low noise, low vibration engine

UNDERCARRIAGE

High-flotation tracks available in cleat-type steel or rubber tracks	
Track rollers	Sealed
Track ground area	730 in (4710 cm ²)

Ground pressure

w/backfill blade	3.1 psi
w/o backfill blade	2.6 psi

HYDRAULIC SYSTEM

Ground drive pump @ 3100 rpm	11.3 gpm (42.7 l/min)
Relief valve setting	2550 psi (17 580 kPa)
Boom anti-drift valve	Standard
Filtration	10 micron spin-on

ELECTRICAL SYSTEM

Battery	12 volts, 340 CCA
Alternator	12 volt, 16 amp
Gauges	
Digital tachometer	
Digital hour meter	
Low oil shutdown system (engine)	
Neutral start safety logic	
Seat interlock system	

SERVICE CAPACITIES

Fuel tank	5.5 gal (20.8 L)
Engine oil w/ filter change	1.75 qt (1.7 L)
Hydraulic reservoir	7.0 gal (26.5 L)
Transmission	1.0 qt (0.95 L)
Satellite gearbox	0.25 qt (0.25 L)

WEIGHTS/DIMENSIONS

Length

basic unit w/blade and w/o boom and chainline	108" (274.3 cm)
w/ backfill blade and 40" boom, trencher raised	137" (348 cm)
w/o backfill blade and w/26" boom, trencher raised	103" (262 cm)

Weight

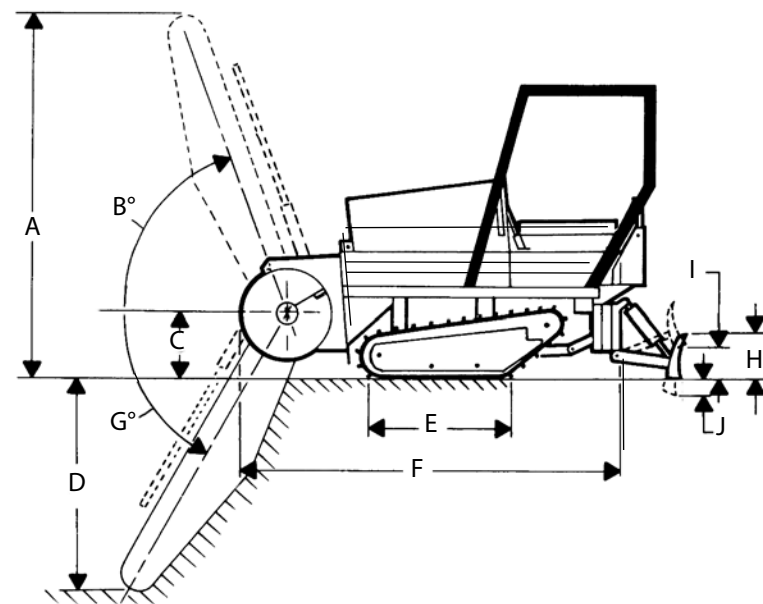
w/40" boom and w/o backfill blade	1,945 lb (882 kg)
w/40" boom and backfill blade	2,315 lb (1050 kg)
w/40" boom, backfill blade and ROPS	2,450 lb (1111 kg)

A. Maximum height* - transport	77" (195.5 cm)
B. Boom travel - above horizontal	Up 70°
C. Trencher shaft height	13.7" (34.8 cm)
D. Maximum dig depth	45" (114.3 cm)
E. Length of track on ground	36.5" (92.7 cm)
F. Length basic unit w/o blade, boom and chainline	85" (215.9 cm)
G. Boom travel - below horizontal	Down 60°
H. Backfill blade height	16" (40.8 cm)
I. Backfill blade lift above ground	10" (25 cm)
J. Backfill blade depth of cut	4" (10 cm)
** Backfill blade width	56" (142 cm)
** Overall width - w/o backfill blade	41" (104.1 cm)
** Overall width - w/ backfill blade straight	56" (142 cm)

* With ROPS option
** Measurements not shown

OPTIONS

- Centerline trencher -- 4" to 12" wide
- Offset trencher -- 4" to 16" wide (offsets 2" left of centerline)
- Flush digger -- 4" to 16" wide (offsets 15" left of center line -- not for use with channel booms)
- Powertrain with steel tracks
- Powertrain with rubber tracks
- 26" sprocket boom
- 40" sprocket boom
- 45" sprocket boom
- 40" channel boom
- 45" channel boom
- Backfill blade (hydraulic angle)
- 4-Post ROPS
- Heavy Duty Chains - 38,000 lbs



IMPORTANT: Astec Underground reserves the right to change these specifications without notice and without incurring any obligation relating to such change. This literature has been published for world-wide circulation. Availability of some models and equipment builds vary according to the country in which the equipment is used. The illustrations and text may include optional equipment and accessories and may not include all standard equipment. Your Astec dealer/distributor will be able to give you details of the products and their specifications available in your area.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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