

Earth
Pro *Series*

ASTEFC

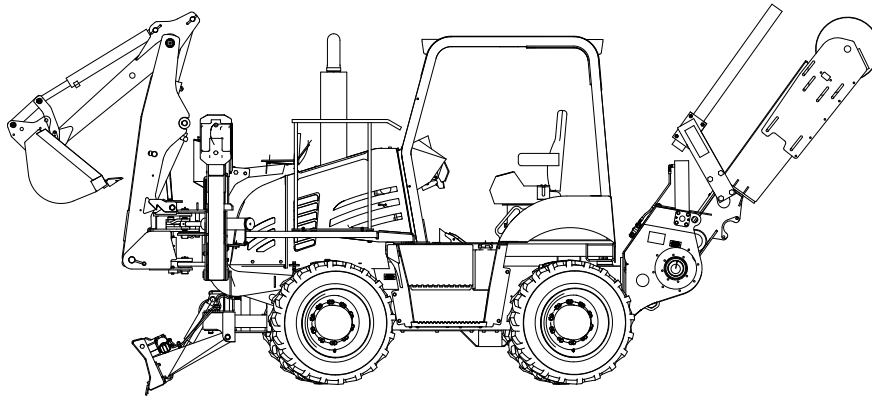
RT1160

RIDE-ON TRENCHER



BREAKTHROUGH SOLUTIONS

RT1160 RIDE-ON TRENCHER



ENGINE

- John Deere 4045T - 4 cylinder, turbocharged diesel
- Bore/Stroke 4.19 x 5.0 in (106 x 127 mm)
- Air intake..... Cross-flow
- Displacement 275 cu in (4.5 L)
- Direct fuel injection & liquid cooling

Horsepower

- Gross..... 115 hp (86 kW) @ 2500 rpm
- Net 101hp (75 kW) @ 2500 rpm
- Maximum torque Gross 298 lb-ft (404 N·m) @ 1500 rpm

SERVICE CAPACITIES

- Fuel tank 45 gal (170 L)
- Cooling system .. 18.2 qt (17.2 L)
- Engine with oil filter 11.6 qt (11 L)
- Hydraulic reservoir .. 50 gal (189.3 L)
- Total hydraulic 52 gal (191.2 L)
- Transmission 11.9 qt (11.3 L)
- Axle center (each) 9.5 qt (9 L)
- Planetaries (each) 2.2 qt (2 L)
- Trencher planetary drive-1.5 qt (1.4 L)

TIRES

- 38 x 18.00-20, 12 PR

POWERTRAIN

- Transmission 4-speed Hydra-shift with constant gear mesh
- Drive Hydrostatic 4WD variable displacement axial-piston pump 0 - 49.5 gpm (0-187.3 L/min)
- Service brakes..... Hydrostatic
- Parking brake..... spring applied/hydraulically released
- Axle ratio 20.14:1
- Planetaries..... 6:9 - Outboard
- Differentials..... Electrically actuated
- Steering..... 2W, 4W and crab.
- Axle oscillation 20°

Travel speeds

- 1st 1.4 mph (2.2 km/h)
- 2nd 3.0 mph (4.9 km/h)
- 3rd 5.3 mph (8.5 km/h)
- 4th 11.5 mph (18.6 km/h)

NOTE: Rated speeds in forward and reverse.

ELECTRICAL SYSTEM

- Voltage. 12 volts, negative ground
- Alternator 65 amp
- Starter..... 3.35 hp (2.5 kW)
- Battery 685 CCA@ 0°F (-17.7° C)

OPERATOR / ENVIRONMENT

- ROPS & Key start
- Left and right entry/exit
- Unobstructed operator platform
- Swivel seat w/seat belt
- Hand and foot controls
- Iso-mounted platform

INSTRUMENTATION

- Engine coolant temperature gauge
- Hydraulic oil temperature gauge
- Fuel level indicator
- Engine oil pressure indicator
- Hydraulic charge filter indicator
- Air filter restriction indicator
- Alternator light
- Voltage meter
- Tachometer/hourmeter
- Hydraulic filter indicator
- Neutral indicator

DIMENSIONS

- Overall height - prime mover (to top of muffler) 111.7 in (2.84 m)
- Overall length - prime mover 135.3 in (3.44 m)
- Overall transport length w/backhoe & trencher w/4 ft (1.22 m) boom 275.0 in (6.98 m)
- Angle of approach - prime mover w/ blade 15°
- Angle of departure - prime mover 60°
- Minimum ground clearance - (axle to ground) 12.4 in (315 mm)
- Minimum ground clearance w/backfill blade 11.2 in (284 mm)
- Wheelbase 76.8 in (1.95 m)
- Height to centerline of trencher headshaft 35.5 in (902 mm)
- Angle of departure with trencher attachment 34°
- Trencher boom angle down from horizontal 65°
- Trencher boom angle up from horizontal 50°
- Backhoe transport height 117.2 in (2.97 m)
- Backfill blade height 18 in (457.2 mm)
- Backfill blade lift height 16.5 in (419.1 mm)
- Backfill blade depth of cut below grade 3.1 in (78 mm)
- Blade width..... 82.5 in (2.10 m)
- Transport height, plow frame base tractor 91.5 in (2.32 m)
- Center of rear wheel to rear of plow w/chute in ground ... 114.1 in (2.90 m)
- Plow swing angle 25°
- Plow offset from centerline 32 in (813 mm)
- Angle of departure base tractor/plow attachment raised:**
- w/30-in (762 mm) mounted blade 26°
- w/o mounted blade..... 30°
- Plow blade tip ground clearance base tractor:**
- w/30-in (762 mm) mounted blade..... 28.4 in (721 mm)
- Overall width base tractor 85.8 in (2.18 m)
- Overall width w/optional tires 85.8 in (2.18 m)
- Tread width (centerlines) base tractor 68.1 in (1.73 m)
- Turning radius (outside) base tractor - 4-wheel steer
- Left - 129 in (3.27 m)
- Right - 129 in (3.27 m)
- Operating weight 14,439 lb (6,549.42 kg)

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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