

## STP04PFF Utility tractor – the very best in utility tractor products

### MODEL STP04PFF

**Engine:** Briggs & Stratton® V-twin Vanguard® by Briggs & Stratton

**Horsepower:** 16

**Construction** Synchro-Balanced OHV  
Solid-state ignition, hydraulic lubrication,  
key start, Spin-on oil filter, electronic controlling capabilities

### TRANSMISSION

**Casappa Stack pump:** 2cc, 4cc, 8cc, 8cc

**PreMach Solenoid Regulated Valve Block**

**Casappa Flow Proportionator**

**White DR-32 Hydraulic Wheel Motors**

**11-speed SHIFT-ON-THE-GO hydrostatic**

**Forward Ground Speed** (gear): 11 – 5.7 mph, 8 – 4.1 mph,  
4 – 2 mph, 1 – 0.5mph

**Reverse Ground Speed** (gear): 11 – 5.7 mph, 8 – 4.1 mph,  
4 – 2 mph, 1 – 0.5mph

### EQUIPMENT

**STP Electric Control System** Standard

**Steel Front Axle Mounts** Standard

**Audible Safety Start** Yes

**Headlights** Optional kit

**Battery** 12V

**Steering Wheel** 14" Comfort Grip

**Seat** Cushioned Armrest, Adjustable position

**Cup-holder** Optional

**Tires** Firestone 26 x 12.00 – 12 Flotation 23"

**Front wheel ball bearings**

### SPECIFICATIONS

**Warranty** 2-year full

**Wheelbase Front** (Inches) 60

**Wheelbase Rear** (Inches) 36

**Overall Width** (Inches) 60

**Overall Length** (Inches) 96

**Weight** (Pounds) 835

**Pulling Fuel Capacity** 3 quarts (2.84 L)

**Optional Fuel Capacity** (Gallons) 2

**Turning Radius** (Inches) 22

### ATTACHMENTS AND ACCESSORIES

*See Catalogue/Dealer for specs.*

**Mower Deck** Optional

**Log Splitter** Optional

**Backhoe** Optional

**Tree Trimmer** Optional

**Trench Digger** Optional

**Bucket Loader** Optional

**Dump Cart** Optional

**Sweeper** Optional

**Sun Shade** Optional

**Snow Blade** Optional

**Two-Stage Snow thrower** Optional

**Windbreaker/Snow Cab** Optional



Delta Power



PreMach  
Engineering



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STP04PFF



# MICHIGAN STATE UNIVERSITY QUARTER SCALE

## STP04PFF

Imagine yourself being able to combine all your utility machines into one, easy-to-use, powerful and safe machine. Now you can! The *STP04PFF* is the most versatile utility tractor on the market today. Owning one is just a phone call away.

- S** Michigan State University Quarter Scale team is proud to introduce the *STP04PFF* revolutionary tractor.

## Unique Features

- S** Power Flex Frame (PFF)
- S** Electric Control
- S** Hydraulic Wheel Motors with high torque capabilities
- S** Interchangeable hydraulic Implements for all landscaping needs: mower deck, snow blower, log splitter, tree trimmer, trench digger, backhoe, bucket loader.... to name a few

## Manufacturability

- S** Off-the-shelf components compromise the drive train.
- S** Plasma Computer Aided Manufacturing (CAM).
- S** Power Flex Frame- two pieces, bent, and welded together.
- S** PowerPack sub-assembly includes: engine, stack pump, valve block, reservoir, battery.

## Serviceability

- S** Simplistic frame and drive train design
- S** Low maintenance hydraulic system – self lubricating
- S** Four-bolt sub-assembly disconnect
- S** Easy accessible oil filter, air filter, and fuel filter
- S** Four-bolt wheel motor assembly



## Safety

- S** Torque limited hydraulic systems.
- S** Minimal moving parts which decreases operator self-inflicted injuries.
- S** Central operator location: shielded from wheels, views of entire tractor.
- S** Safety interlocks for starting, hydraulic pressure, and parking.
- S** Computer programmed safety instructions which do not allow operator to perform unsafe operations.
- S** Audible alerting system to warn operator of system warnings.

