

**Features &  
Source II  
Comparisons  
TC25  
TC29  
TC33**

**PRODUCT  
MANUAL**



**1 Introduction**

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## 1 Product Story

# TC25-TC29-TC33

*Part of the Boomer Family of Compact Tractors*

### Who says you should leave well enough alone?

New Holland engineers just couldn't leave well enough alone, they've taken the hugely successful Boomer Family of compact tractors and made them even better. How did the Boomer team know what to improve upon and what to leave alone? ---*Simple*--- they asked New Holland and competitive customers. After all from the beginning Boomer has represented the best in customer driven design. List in hand the team set out to satisfy those "**customer wants**". The result, **6 new models** designed to offer customers even more choice, value and dependability.

### The two faces of value.

*Value*, Team Boomer realizes that it means different things to different customers. To some, *value* represents getting the most horsepower for their dollar, to others; features designed to make their operating experience more productive and enjoyable. The models TC25, TC29 and TC33 are the perfect choice for those "no frills, bang-for-their-buck customers". These value filled models are economically priced while still offering those features customers has come to expect from a Boomer; modern styling, powerful engines, superior operator comfort, proven reliability, and best in class serviceability. These Boomers allow customers to do more work. Whether mowing, loading, hauling, snowblowing or any of dozens of other jobs; **Boomer™ is the ultimate power tool !!**

### Boomer...IS.....Tested Tough.

**Extensive testing** was conducted to ensure that the TC25, TC29 and TC33 would live up to customer expectations for durability and reliability. Testing sights throughout the United States put Boomer through varying climates and conditions, cold, heat, dry, wet, you name it, Boomer encountered it. Field-testing was supported by core testing at New Holland's North American Technical center in New Holland, PA.

### TC25-TC29-TC33....Part of New Holland's Boomer Family of tractors.

These units are the third installment to the Boomer family of tractors. The first members of the family (Class II platform size), the 1530, 1630, 1725 and 1925 were introduced in late 1995. The new Class II ValueMax model lineup--

<u>MODEL</u>	<u>CYLINDERS</u>	<u>CU.IN.</u>	<u>Gross HP</u>	<u>P.T.O. HP</u>
TC25	3	81.2	25.0	21.7
TC29	3	81.2	29.0	25.1
TC33	3	91.3	33.0	28.6

## 1 Feature & Benefit

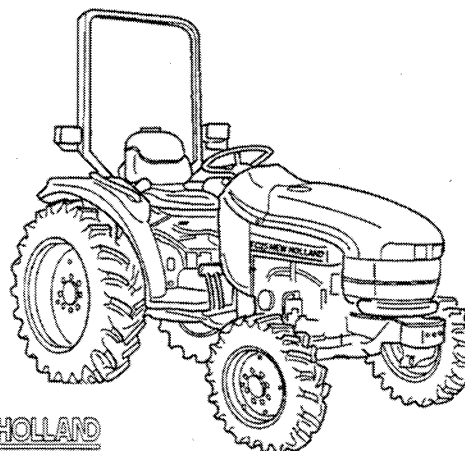
- **21<sup>ST</sup> CENTURY STYLING...** With their sloping hoods and comfortable, convenient operator area, there is no doubt the TC25, TC29 and TC33 are part of New Holland's innovative line of tractors. Like the Genesis™, Gemini™, TS and 35 Series before them, these Boomers prove that form adds to function.
- **LARGE DISPLACEMENT 3 CYLINDER ENGINES...** are powerful and economical. Refinements to the indirect fuel injection system have resulted in quieter operation; greater fuel efficiency and improved torque backup all without sacrificing the reliability Boomer power plants are known for.
- **VERSATILE TRANSMISSION...** The **9x3, sliding gear transmissions** offer a wide selection of working speeds. Straight forward design and the use of premium components help assure a lifetime of productive service.
- **DURABLE PTO DRIVELINE...** Dependable 540 RPM, rear, transmission-type PTO is standard on all three models. Live-type PTO is optional on the model TC29 and provides the ability to stop tractor motion without interrupting PTO function.
- **RUGGED AXLES...** All models are available with **2WD** or **traction enhancing FWD** axles. Both axles feature high load ratings and time tested design for years of dependable service.
- **POWER STEERING...** is standard on the models TC25, TC29 and TC33. A dedicated **3.5 GPM pump** provides ample flow for precise, low effort steering.
- **DIFFERENTIAL LOCK...** is standard on all three models. It allows the operator to lock both rear axles together for superior traction in slippery conditions.
- **POWERFUL BRAKES...** All three models are equipped with internal wet disc brakes for sure stopping, improved durability and long life.
- **COMFORT PLUS™ OPERATOR DECK...** with controls for RANGES, PTO, FWD and 3-PT located conveniently on the units contoured fenders.
- **CONTOURED, HIGH BACK, COMFORT SEAT...** with spring suspension is standard on models. Generous fore/aft adjustment on an **incline, sliding track** helps keep the operator in proper relationship Boomer's controls, for comfortable, safe operation.
- **Cat. I 3-PT HITCH...** has easy to adjust telescoping stabilizers and **over 1600 lb. lift capacity** to handle a wide variety of attachments. A **Deluxe 3-PT package** with flexible link ends and crank-type leveling box is available as a factory or dealer installed option.
- **PRODUCTIVE HYDRAULICS...** Externally mounted, **6.1 OR 6.6 GPM**, gear-type hydraulic pump provides plenty of flow to power up attachments.
- **FLIP-UP HOOD...** gives Boomer™ compacts best in class serviceability.

## 1 Standard Equipment

### TC25

#### DIESEL ENGINE

3 Cylinders  
81.2 cu. in. (1.33L) Displacement  
25.0 Gross hp @ 2600 rpm  
23.7 Net hp @ 2600 rpm  
21.7 PTO hp @ 2600 rpm  
Under Hood Muffler  
Dual Element Air Cleaner  
Full-flow, Spin-on Oil Filter  
7.3 Gallon (26.7 L) Fuel Tank  
Single Fuel Filter  
Pressurized Cooling System with  
Thermostat and Antifreeze  
Glow Plug Starting Aid



**TC25 NEWHOLLAND**

#### INSTRUMENTS

Tachometer w/ Hour Meter  
Fuel Gauge  
Engine Oil Pressure Light  
Alternator Warning Light  
Glow Plug Indicator Light  
Temperature Light

#### HYDRAULIC SYSTEM

6.1 GPM (23.1L) Hydraulic Pump  
Live Hydraulics with Hydraulic  
Position Control  
Mid-mounted Hydraulic Ports  
Cat.I 3-pt. Hitch  
Lift Capacity @ 24 in. 1635 lb.  
Telescoping Stabilizers  
Turnbuckle Type Leveling Mech.

#### ROPS

2-Post Fixed w/Seat Belt

#### ELECTRICAL

Battery, 12-volt/ 40 amp hr.  
40 Amp Alternator  
Safety Starter System  
Key Start/ Fuel Shutoff  
Voltage Regulator

#### LIGHTS

Two Headlights  
One Taillight  
Two Red Reflectors  
Two Flashing Safety Lights

#### TRANSMISSION

9x3

#### PTO

540 rpm (Transmission-Type)  
Flip Up Safety Shield  
Screw-on Cap

#### FIXED DRAWBAR

#### FOOT THROTTLE

#### DIFFERENTIAL LOCK

#### CUSHION SEAT

Spring Suspension  
Sliding-Fore/Aft Adjustment  
Height Adjustment via Incline  
Track

#### STEERING

Hydrostatic Power Steering  
Dedicated 3.5 GPM (13.2 LPM)  
Pump  
Fixed Steering Column

#### BRAKES

Wet Disc

#### 2WD FRONT AXLE

Fixed Axle  
Wheels Reversible -  
40.0 inch to 42.6 inch Tread  
Tire Dependent

#### FWD FRONT AXLE

Fixed Front Wheel Drive Axle  
43.4 inch & 45.3 inch Tread  
Tire Dependent

#### REAR WHEELS

Reversible  
42.8 inch & 47.9 inch Tread

#### SMV EMBLEM

#### WARRANTY

New Holland Standard Warranty

## 1 Standard Equipment

### TC29

#### DIESEL ENGINE

3 Cylinders  
81.2 cu. in. (1.33L) Displacement  
29.0 Gross hp @ 2800 rpm  
27.4 Net hp @ 2800 rpm  
25.1 PTO hp @ 2800 rpm  
Under Hood Muffler  
Dual Element Air Cleaner  
Full-flow, Spin-on Oil Filter  
7.3 Gallon (26.7 L) Fuel Tank  
Single Fuel Filter  
Pressurized Cooling System with  
Thermostat and Antifreeze  
Glow Plug Starting Aid

#### INSTRUMENTS

Tachometer w/ Hour Meter  
Fuel Gauge  
Engine Oil Pressure Light  
Alternator Warning Light  
Glow Plug Indicator Light  
Temperature Light

#### HYDRAULIC SYSTEM

6.6 GPM (25L) Hydraulic Pump  
Live Hydraulics with Hydraulic  
Position Control  
Mid-mounted Hydraulic Ports  
Cat.I 3-pt. Hitch  
Lift Capacity @ 24 in. 1635 lb.  
Telescoping Stabilizers  
Turnbuckle Type Leveling Mech.

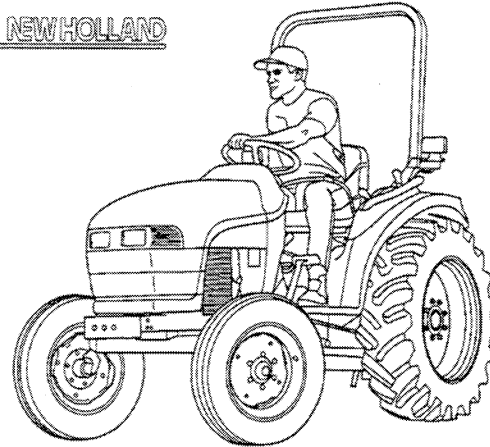
#### ROPS

2-Post Fixed w/Seat Belt

#### ELECTRICAL

Battery, 12-volt/ 40 amp hr.  
40 Amp Alternator  
Safety Starter System  
Key Start/ Fuel Shutoff  
Voltage Regulator  
Voltage Regulator

**TC29** NEWHOLLAND



#### LIGHTS

Two Headlights  
One Taillight  
Two Red Reflectors  
Two Flashing Safety Lights

#### TRANSMISSION

9x3

#### PTO

540 rpm (Transmission-Type)  
(Live-type Optional)  
Flip Up Safety Shield  
Screw-on Cap

#### FIXED DRAWBAR

#### FOOT THROTTLE

#### DIFFERENTIAL LOCK

#### CUSHION SEAT

Spring Suspension  
Sliding-Fore/Aft Adjustment  
Height Adjustment via Incline  
Track

#### STEERING

Hydrostatic Power Steering  
Dedicated 3.5 GPM (13.2 LPM)  
Pump  
Fixed Steering Column

#### BRAKES

Wet Disc

#### 2WD FRONT AXLE

Fixed Axle  
Wheels Reversible -  
40.0 inch to 42.6 inch Tread  
Tire Dependent

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Fixed Front Wheel Drive Axle  
43.4 inch & 45.3 inch Tread  
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Reversible  
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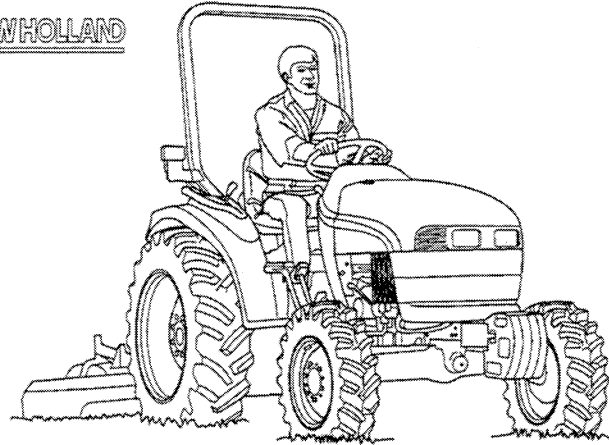
# 1 Standard Equipment

## TC33

### DIESEL ENGINE

3 Cylinders  
91.3 cu. in. (1.5L) Displacement  
33.0 Gross hp @ 2800 rpm  
31.3 Net hp @ 2800 rpm  
28.6 PTO hp @ 2800 rpm  
Under Hood Muffler  
Dual Element Air Cleaner  
Full-flow, Spin-on Oil Filter  
7.3 Gallon (26.7 L) Fuel Tank  
Single Fuel Filter  
Pressurized Cooling System with  
Thermostat and Antifreeze  
Glow Plug Starting Aid

TC33 NEWHOLLAND



### INSTRUMENTS

Tachometer w/ Hour Meter  
Fuel Gauge  
Engine Oil Pressure Light  
Alternator Warning Light  
Glow Plug Indicator Light  
Temperature Light

### LIGHTS

Two Headlights  
One Taillight  
Two Red Reflectors  
Two Flashing Safety Lights

### STEERING

Hydrostatic Power Steering  
Dedicated 3.5 GPM (13.2 LPM)  
Pump  
Fixed Steering Column

### HYDRAULIC SYSTEM

6.6 GPM (25L) Hydraulic Pump  
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Position Control  
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### TRANSMISSION

9x3

### BRAKES

Wet Disc

### ROPS

2-Post Fixed w/Seat Belt

### PTO

540 rpm (Transmission-Type)  
Flip Up Safety Shield  
Screw-on Cap

### 2WD FRONT AXLE

Fixed Axle  
Wheels Reversible -  
40.0 inch to 42.6 inch Tread  
Tire Dependent

### ELECTRICAL

Battery, 12-volt/ 40 amp hr.  
40 Amp Alternator  
Safety Starter System  
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### FIXED DRAWBAR

### FOOT THROTTLE

### DIFFERENTIAL LOCK

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