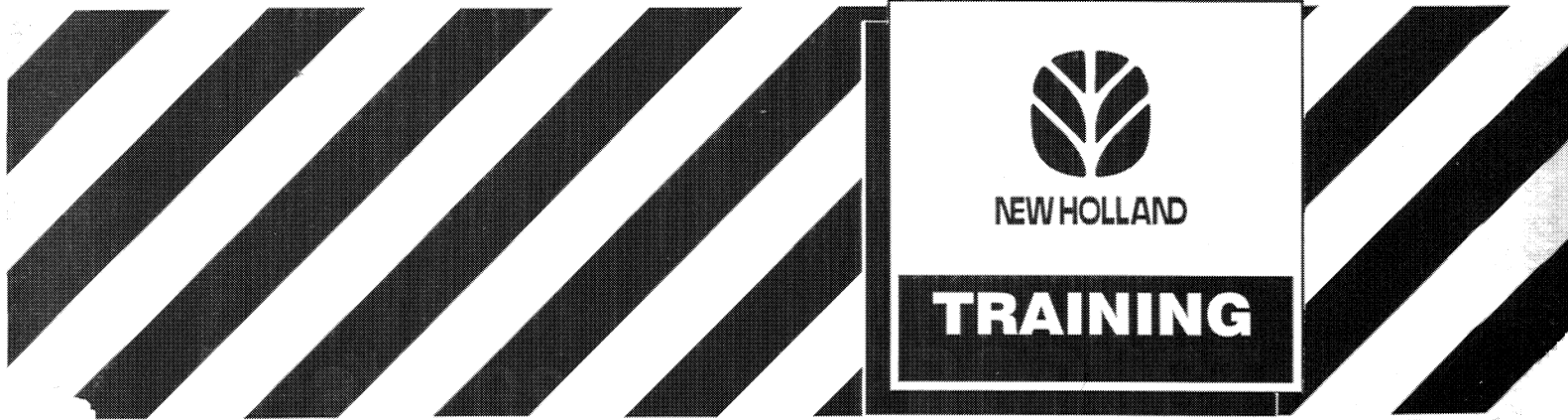


Features 9030

PRODUCT MANUAL



MODEL 9030

BIDIRECTIONAL™ TRACTOR



A3445-10

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“VERSATILE 9030”

BIDIRECTIONAL™ TRACTOR



A66-9R

- Hydrostatic, articulated steering, using double-acting cylinders, means a very short turning circle and excellent control with minimum effort.
- True, integral, 4-wheel drive with equal size tires all around, for maximum traction in all conditions.
- Designed to work in either direction - pushing or pulling. The operator's seat and console rotate 180 degrees to face the work. Attachments are designed and mounted to suit the operator's needs.
- Implements and attachments can be added at both ends. A PTO, a 3-point hitch, drawbar and remotes are available at each end to power a multitude of attachments, either push or pull type.
- Hydrostatic transmission, combined with a 3-speed gearbox, provides infinitely variable speeds in draft, chore and transport conditions.
- New Holland, four-cylinder, direct-injection, turbocharged diesel engine provides reliable power.
- Develops 102 PTO horsepower @ 2,500 RPM
- Modular Service™ design allows you to remove major components without disturbing the complete machine. Easy service is fast and efficient; downtime is minimized.
- Shipping Weight - 10,000 lbs
- Maximum Operating Weight - 16,000 lbs. (Includes empty loader and maximum ballast of 1,400 lbs.)

ATTENTION: Some photos in this manual show protective shielding removed to illustrate features more clearly. Be certain, however, to keep all shields in place when machine is in operation.

INCREDIBLE PRODUCTIVITY

COMING OR GOING



A3336-1

Standard Equipment & Features

DIESEL ENGINE

102 PTO HP @ 2,500 RPM
New Holland, 268 cu. in. Displacement
4-Cylinder, Turbocharged
45-Gal.(U.S.) Fuel Tank
Dry, Dual-Element Air Cleaner
Ether Cold Start/Block Heater/
Hydraulic Tank Heater

DELUXE CAB

Integral ROPS
Heater
Implement-Access Window
Front and Rear Wipers
Air Conditioner
Two Doors
Adjustable Seat
Seat Belt
AM/FM Radio Cassette

INSTRUMENTS

Tach/Speedometer/Hour Meter
Fuel Gauge
Engine-Coolant Temperature Gauge
Indicator Warning Lights:
Parking Brake
Engine-Oil Pressure
Air-Cleaner Restriction
Charging System

INSTRUMENTS (Contd.)

Indicator Warning Lights: (Contd.)
High Beam Indicator
Hazard Warning Light
Audible Alarms on Coolant Temp., Engine
Oil Pressure, and Park Brake Applied

HYDRAULIC SYSTEM

High-Capacity Hydraulics, Load-Sensing
Closed Center, 30 G.P.M. Rating
Foot and Hand Controls
3-Spool Remote Hydraulic Valves with
Couplers (Cab End) and Load-Sensing
Hydraulics

ELECTRICAL

Alternator, 85 Amp
Two, Heavy-Duty Batteries, 625 CCA

LIGHTING

Working Lights, Four (Each Direction)
Tail Lights, Two (Cab End)
Turn Signals, Roof-Mounted

STEERING

Hydrostatic, Articulated, 36-Degrees
Each Direction

SEAT

Turnabout™ Console: Seat and Steering
Column Rotate 180 Degrees
Adjustable Seat with Armrests

“Versatile 9030”

AXLES

Forged Axles with Single-Reduction
Drop Boxes
26-Inch Ground Clearance
Standard Differential, Front and Rear

WHEELS

Manual-Adjust, 8-Position

SWINGING DRAWBAR

Cab End

TRAILER HITCH

Engine End

PTO

Cab End, 540/1,000 RPM

HAND THROTTLE

SLOW-MOVING VEHICLE EMBLEM

On Cab End

BRAKE

Single-Disc - Driveline-Mounted
Hydraulically-Actuated by Pedal
Mechanical Parking Brake - Hand Operated

TIRES

Four, 16.9 x 28, R1, 6ply, with 15" rims

FOUR UNIQUE FEATURES

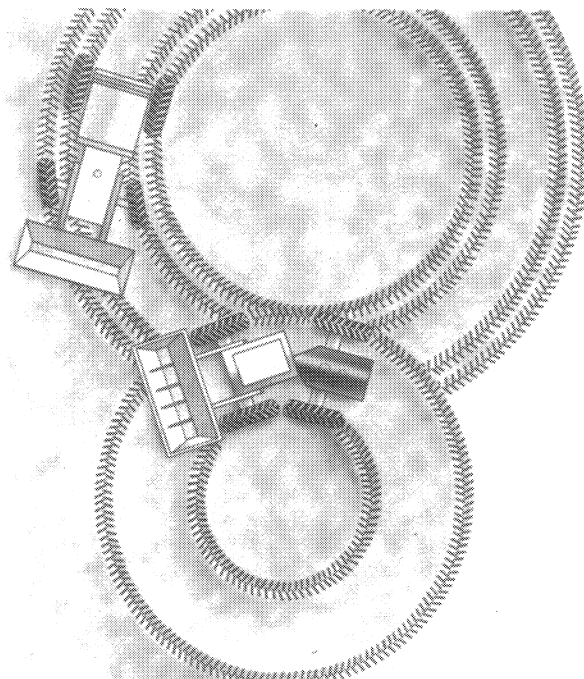
PROVIDE COUNTLESS BENEFITS

1. FOUR-WHEEL DRIVE WITH ARTICULATED STEERING



A3521-2

- Slippage is minimized, for major gains in effective horsepower and reduced tire scuffing. The result is long tire life and less fuel consumed.
- Equal-size tires and balanced weight distribution provide better ultimate drawbar pull than front-wheel assist on traditional tractors, all other factors being equal.



4WD-1

- A much smaller turning radius than that of two-wheel-drive tractors, for reduced crop damage at the ends of rows, improved steering accuracy, faster turns, and better maneuverability with the loader in barnyards, corrals and feedlots.
- The rear tires track in the trail of the leading tires so rolling resistance is minimized and less fuel is consumed. The front wheels firm up the soil to provide a high-traction path for the rear wheels and less overall soil compaction.

2. DRAWBARS, HITCHES, PTO'S & REMOTES AVAILABLE AT BOTH ENDS



A1882-11R

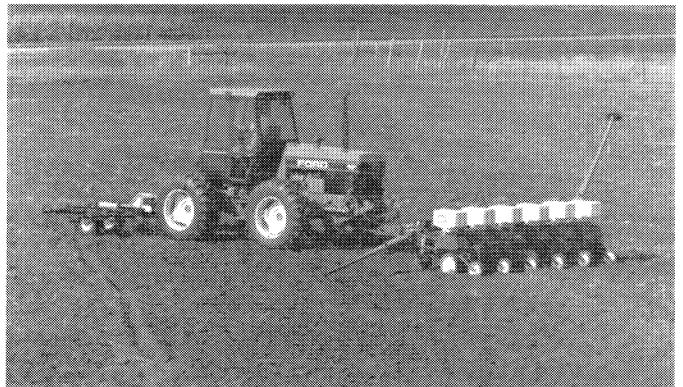
- A wide variety of implements and attachments can be hooked up with equal ease to either the cab end or the engine end of the tractor.
- When two operations are performed at the same time, the implements can be mounted for best visibility of both, for greater productivity.



A3336-1

- Hitch and hydraulic options can be tailored to the exact needs of the uses the tractor will be put to.

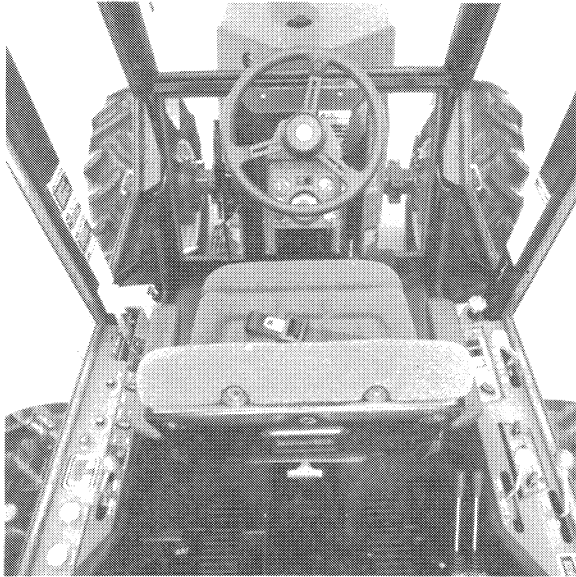
- Implements can be pushed or pulled at the end of the tractor on which they have the best combination of visibility, traction and weight balance.



A72-5R

FOUR UNIQUE FEATURES (Contd.)

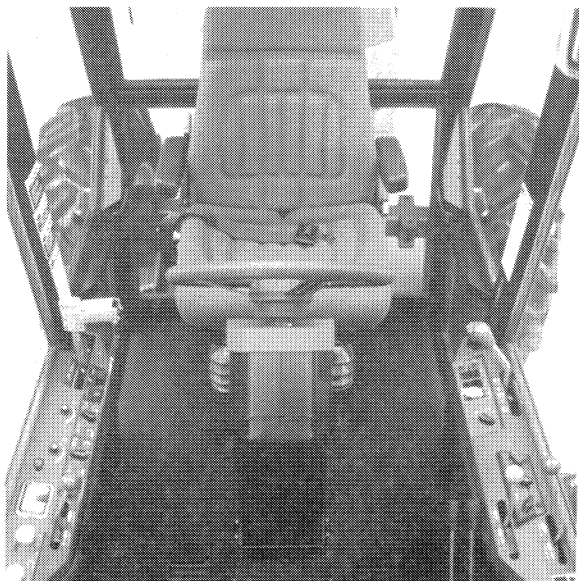
3. EXCLUSIVE, TURNABOUT™ CONSOLE ROTATES THE STEERING WHEEL, SEAT AND INSTRUMENTS 180 DEGREES.



- There is a comfortable, familiar feeling of control, regardless of which end of the tractor is forward, because the operator can always face the direction of travel.



- The operator has excellent visibility, especially with the cab end forward.



4. HYDROSTATIC TRANSMISSION COUPLED TO A THREE-SPEED GEARBOX

- Selection of speeds is equal in either direction, to make the tractor equally versatile with cab or engine end forward.
- Infinitely variable speeds in draft, chore and transport conditions. Because of the three ranges, the hydrostatic transmission can always run at peak efficiency.
- **FIRST RANGE, 0 - 5.5 MPH:** First range is ideal for loading. The hydrostatic system can be instantly changed from low-speed forward for filling the bucket to fast reverse when the bucket is full. First range also provides plenty of power for draft work - the four-wheel drive will pull the tractor through the tough spots when plowing or discing.
- **SECOND RANGE, 0 - 7.7 MPH:** Ideal for pulling PTO-driven equipment. The variable speeds of the hydrostat can be used to maintain the perfect speed to match optimum machine operation as field and crop conditions change.
- **THIRD RANGE, 0 - 18.0 MPH:** The transport range. The hydrostat is used to vary travel speed in accordance with road conditions.
- There is no clutch to slip or gears to shift when working the bucket into packed or frozen material - simply adjust the hydrostat lever to the suitable position.
- Hydrostatic power losses are kept small through the use of the range gearbox, and more than offset by increased efficiency of operating PTO machines and loaders at their peak capacity.
- The system combines the best features of all transmissions:
 - Infinite speeds for PTO work.
 - Slow work speeds for snow throwing, trenching and specialized harvesting work without concern for clutch failures.



A117-IR

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