

# 3005 Tractor

## Add Versatility With John Deere & Frontier Implements & Attachments:

- iMatch™ Quick Hitch
- iMatch AutoHitch™
- 7 Backhoe
- 380A (54-Inch, 60-Inch, 66-Inch) Front Blade
- 60-Inch Mid-Mount Mower
- 4-, 5-Foot Rotary Cutters
- 59-Inch Snow Blower
- 647 (48-Inch) Rotary Tiller
- 655 (55-Inch) Rotary Tiller
- 665 (65-Inch) Rotary Tiller
- 300 Loader
- Cultivators (7½ Feet–10½ Feet)



## FEATURES

- The 3005 tractor features a high torque, 3-cylinder diesel engine with an auto-bleed fuel system. Rated at 27.5\* gross engine hp/23.5\* PTO hp.
- An economical 8×2 sliding gear transmission is standard.
- Hydrostatic power steering is standard equipment on 4WD models and optional on 2WD models.
- Open operator's station provides plenty of room for the operator. Controls are designed and positioned for ease of operation. Underhood muffler allows excellent forward visibility.
- Deluxe, high-backed adjustable seat, rubber-mounted foot platform and suspension provide greater operator comfort and increased productivity.
- 3005 4WD tractors have continuous live PTO operation. 3005 2WD models have a transmission-driven PTO with an overrunning clutch.
- Engine meets Environmental Protection Agency Interim Tier IV emissions standards.
- Optional mid PTO with brake offers added flexibility for implements such as a mid-mount mower.
- Separate operation of mid- and rear-PTO allows operator to use both a mid- and rear-driven implement simultaneously—such as a mower and fertilizer spreader or snow blower and salt/sand spreader.
- Operator presence system ensures that the operator must be in the seat to operate the tractor.
- Built-in rear PTO safety shield can be flipped up for easier access when hooking up implement power-lines.
- Dual gear pumps on all models ensure excellent hydraulic performance.
- Selective control valve safety lock allows loader hydraulics to be locked out. Boom won't drop if SCV lever is bumped.

### ADDITIONAL STANDARD EQUIPMENT

- Two-post Roll-Gard ROPS with seat belt.
- PTO operator safety system.
- Enclosed engine and muffler.
- Key start and shutoff.
- Lateral float on 3-point hitch.

### OPTIONAL EQUIPMENT

- Single-lever SCV with safety lock.
- Engage "on-the-go" mechanical 4WD.
- Mid-PTO.
- Auxiliary hydraulic kit (rear).
- Engine coolant heater.
- Front and rear weights.
- iMatch Quick Hitch (Low-effort attachment and detachment of CAT I ASAE quick-attach implements).
- AutoHitch allows PTO connection from operator seat with compatible implements.

\* Manufacturer's estimate of power (ISO) per 97/68/EC. Engine horsepower is provided by engine manufacturer for comparison purposes only. Actual operating horsepower will be less.

# SPECIFICATIONS

## 3005

### Engine:

Gross Horsepower*	27.5 (20.2 kW)*
PTO Horsepower (Net)	23.5 (17.5 kW)
Rated Speed	2,700 rpm
Type	Diesel
Operating Range	1,000–2,810 rpm
No. of Cylinders	3
Displacement	81.2 (1.33)
Bore and Stroke	3.23 × 3.31 in. (82 × 84 mm)
Compression Ratio	18.1:1
Lubrication	Pressurized
Cooling System	Water pump
Air Cleaner	Dry w/safety element
Engine Shutoff	Key switch
Engine Model	3TNV82A
Fuel	No. 1 Diesel, No. 2 Diesel, B5 Biodiesel

### Electrical System:

Type	12-volt
Battery Size (at -18° C)	500 cca**
Alternator	20-amp

### Fuel System:

Injection Type	Direct
Pump Type	In-line w/electric shutoff
@ 75% Load (Mowing)	1.3 gal/hr (4.9 L/hr)

### Drivetrain:

Transmission Type:	
(2WD)	Sliding gear
(MFWD)	Sliding gear
Number of Speeds	8F 2R
Final Drive	Spur gear
Brakes	Dry shoe
Steering (2WD)	Manual or hydrostatic
(4WD)	Hydrostatic
Clutch (2WD)	Single-stage, dry
(4WD)	Two-stage, dry

### Hydraulic System:

Type of System	Open center
Working Pressure	2,050 psi
Pump (Type)	Dual hydraulic pumps (4WD only)
Pump Capacity:	
Implement Pump	5.4 gpm (20.5 L/min)
Steering Pump	4.2 gpm (15.9 L/min)
Maximum Total Flow	9.6 gpm (36.4 L/min)
Category 1 3-Point Hitch	Standard
Hitch Lift Capacity @ 24 in. Behind Link Ends	815 lb. (370 kg)
Lift-Control Type	Position

### PTO:

Type (2WD)	Transmission-driven w/ overrunning clutch
(MFWD)	Continuous live
Speed (PTO rpm @ Rated Engine rpm):	
Mid	2,100 rpm
Rear	540 rpm
Brake	On mid-PTO only

### Capacities:

Fuel Tank	6.3 gal. (23.85 L)
Cooling System	4.73 qt. (5.00 L)
Crankcase (w/Filter)	4.16 qt. (4.40 L)
Transmission and Hydraulic System	4.00 gal. (15.14 L)

### Weight:

2WD (Field Ready w/R1 Tires)	1,930 lb. (875 kg)
MFWD (Field Ready w/R1 Tires)	2,105 lb. (955 kg)

\* Manufacturer's estimate of power (ISO) per 97/68/EC. Engine horsepower is provided by engine manufacturer for comparison purposes only. Actual operating horsepower will be less.

\*\*Cold cranking amps.