

JOHN DEERE 780 SELF-PROPELLED WINDROWER

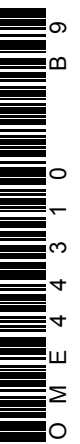


OPERATORS MANUAL JOHN DEERE 780 SELF-PROPELLED WINDROWER

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ENGLISH





TO THE PURCHASER

Your new John Deere Self-Propelled Windrower is a dependable machine. With proper care and operation, you can expect to receive the service and long life designed and built into it. Like any precision machine your windrower will require some attention at regular intervals. When any questions arise regarding lubrication and adjustments, service and operation, use your manual as a guide to care for your machine the RIGHT WAY.

If you find yourself in need of additional information or special servicing not covered in this manual, or when in need of parts, either to replace worn parts or to make emergency repairs, see your local John Deere dealer.

When ordering parts give your dealer the model and serial number of your windrower.

This information will help him give you prompt and efficient service.

The warranty on this windrower appears on your copy of the purchase order which you should have received from your dealer when you purchased the windrower.

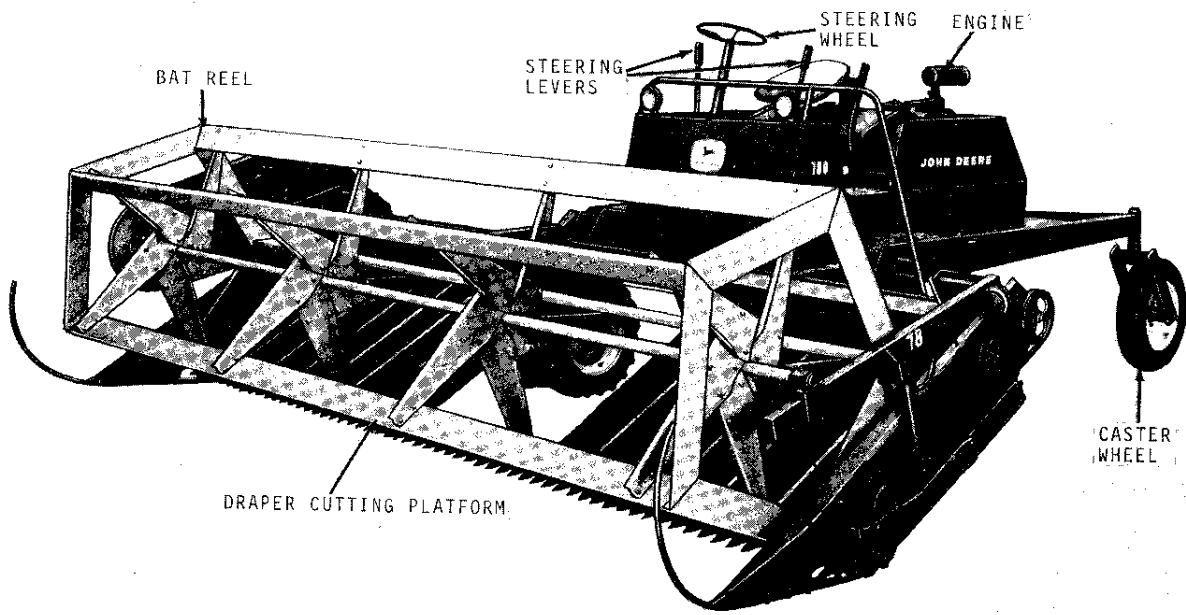
The serial number of your windrower is located on the left side of the windrower main frame. Record the serial number of the windrower and the attachments in the spaces provided below.

Windrower
 Draper Cutting Platform
 Twin-Swath Cutting Platform
 Hay Conditioner
 Engine

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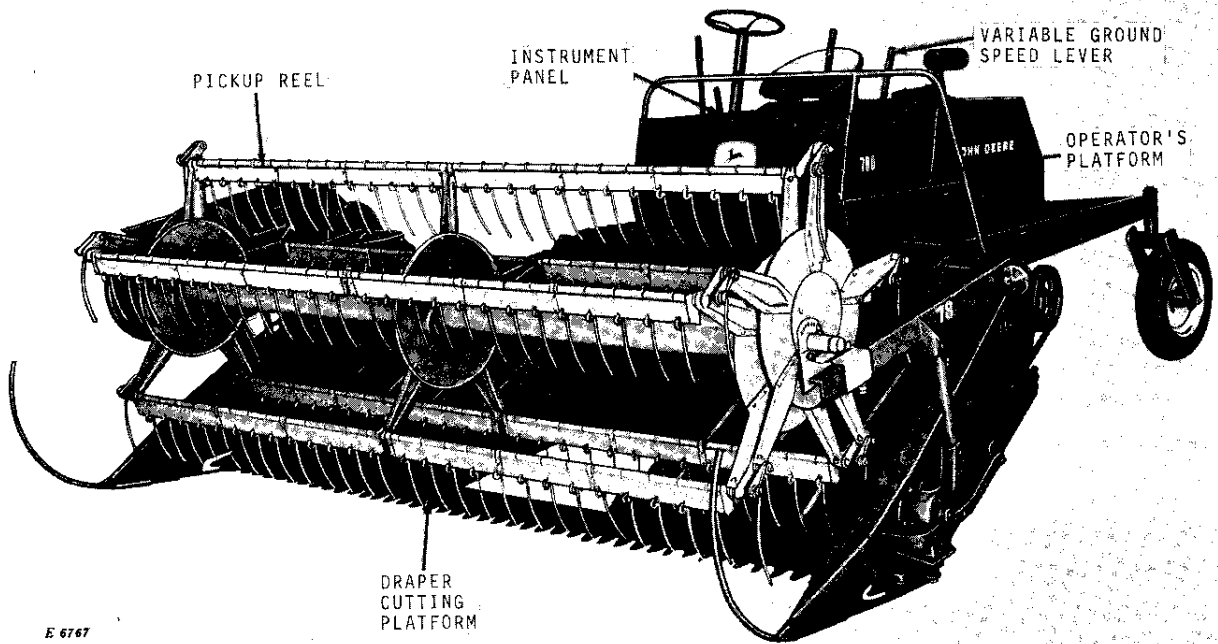
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NOTE: Right and left-hand sides referred to in this manual are determined from a position at the rear of the machine facing in the direction of travel.



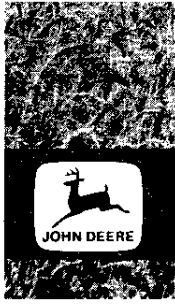
E 6766

John Deere 780 Windrower with 15-Foot Draper Platform and Bat Reel



E 6767

John Deere 780 Windrower with 11-Foot Draper Platform and Pickup Reel



SPECIFICATIONS

780 WINDROWER--TRACTION UNIT

Engine:

Wisconsin VH4D. Air-cooled, 28 hp
Wisconsin VG4D. Air-cooled, 37 hp

Engine speed. 2400 rpm

Type of fuel. Gasoline

Electrical system. 12 volt alternator

Propelling drive. Planetary

Hydraulic system. 3 U.S. qts.

Fuel tank. 14.4 Imp. gals., 18 U.S. gals.

Tire sizes:

Drive wheels (standard) (20 psi). .6:70 - 15
High flotation (optional) (14 psi) . .8 - 16
Caster wheels (20 psi). 5:90 - 15

Overall length. 229 in.

Wheel base. 112 in.

Tread width (center-to-center) with:
Standard tires. 92-3/4 in.
Hi-flotation tires. 94-3/4 in.

Turning radius:
Steering wheel. 11 ft.
Levers. 0 ft.

Ground speed. 0-8 mph

Brake. Emergency or parking

Weight (with standard wheels and
VG4D Engine). 2260 lbs.

PLATFORMS (78 DRAPERS AND 278 TWIN-SWATH)

Sizes and types. 9-ft., with pickup reel
11-ft., with pickup reel
or 5-bat reel
15-ft., with 5-bat reel
18-ft. draper, with 5-bat reel
18-ft. twin-swath, with 5-bat reel

(Specifications and design are subject to change without notice.)

Cutterbar:

Type drive. Enclosed, running in oil
Speed:

9-11-ft. 1250 strokes per min.
15-18-ft. 1150 strokes per min.

Guards. . . Heavy-duty, double forged steel

Knives (chrome):

Standard. Chrome overserrated
Extra. Chrome underserrated

Guard angle:

9-11-ft. 9-1/2° downward
15-18-ft. 15° downward

Reel:

Speed. Variable 35 to 65 rpm

Adjustments:

Vertical. 27 in.
Horizontal. 12 in.

Conveyor canvases:

Drive. Bevel gear case
Speed. 700 rpm
Draper tension. Spring loaded

Range of cutting height (draper
and twin-swath). -4 to 27 in.

Platform angle. 30°

Distance between canvases. 36 in.

Weight:

9-ft. Draper with pickup reel. . . 1355 lbs.
11-ft. Draper with bat reel. . . . 1188 lbs.
11-ft. Draper with pickup reel. . . 1415 lbs.
15-ft. Draper with bat reel. . . . 1387 lbs.
18-ft. Draper. 1482 lbs.
18-ft. Twin-swath. 1634 lbs.

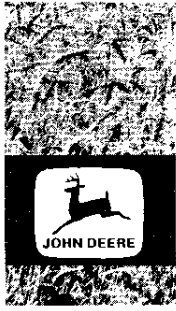
70 HAY CONDITIONER

Type of rolls. Formed steel, fluted

Rolls:

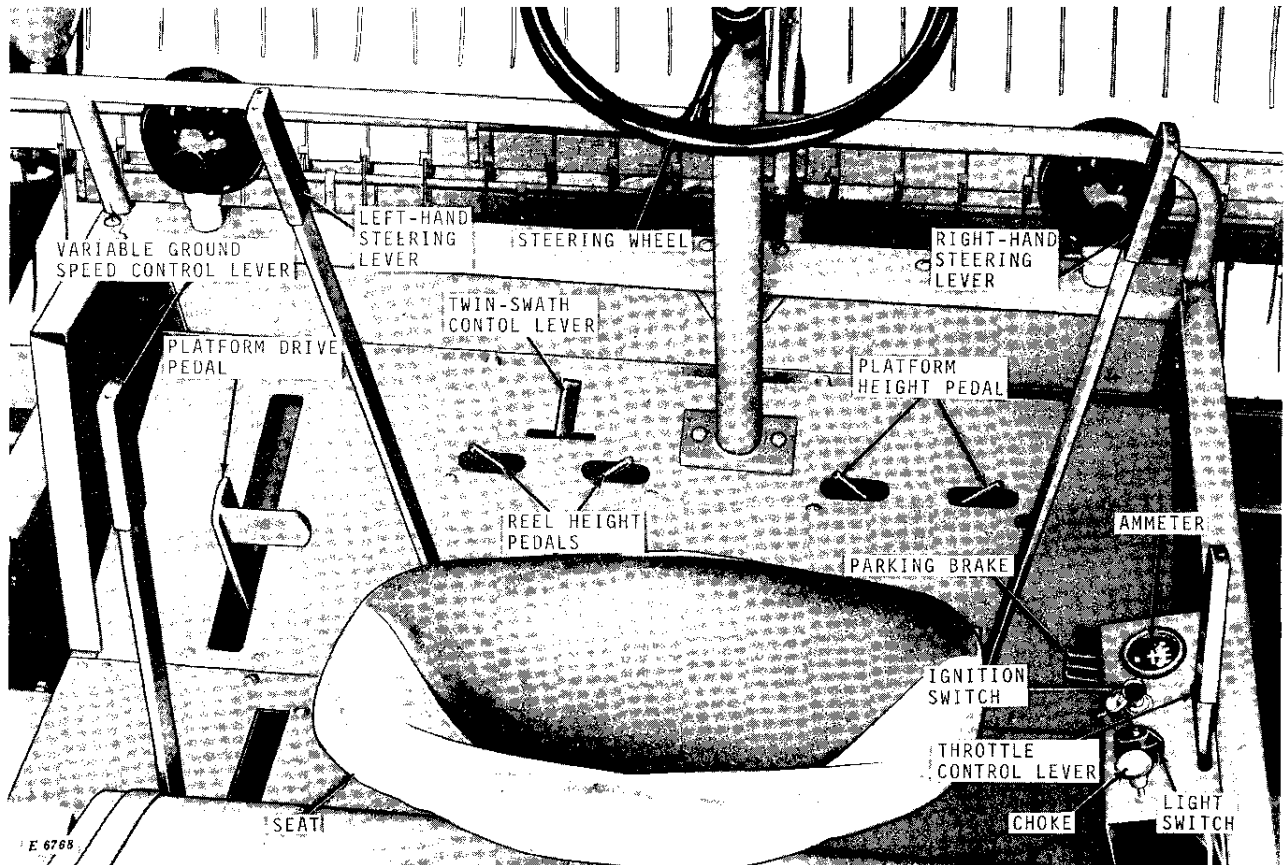
Length. 38 in.
Diameter. 7-3/4 in.
Speed. 670 rpm

Weight. 398 lbs.



CONTROLS AND INSTRUMENTS

Before attempting to operate your new windrower, become familiar with the location and purpose of its controls and instruments. Study these pages carefully, regardless of your previous windrower experience.



STEERING LEVERS AND STEERING WHEEL

Move levers forward for forward travel. Move levers rearward for reverse travel.

Trim steering is accomplished by turning the steering wheel right or left. Turning the steering wheel to the right will make a gradual right turn; turning the steering wheel to the left will make a gradual left turn.

IMPORTANT: Turn steering wheel only when machine is in motion.

Sharp turning is accomplished by placing one lever in neutral and the other lever in forward position. This allows the driving wheel to pivot the windrower around the stopped wheel.

Spin turning is accomplished by placing one steering lever in reverse position and the other lever in forward position, causing the windrower

to turn at a point about midway between the wheels.

CAUTION: Always put steering levers in neutral and variable speed control lever in rear-most position before dismounting from machine. Engage parking brake.

PLATFORM AND REEL HEIGHT CONTROL PEDALS

These platform and reel height control pedals control the height of the platform and reel through a hydraulic mechanism. The right-hand set of pedals is for the platform; the left-hand set is for the reel. Press the left-hand pedal on each set to raise the reel or the platform; press the right-hand pedal on each set to lower the reel or platform.

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