

# John Deere 215A Self-Propelled Windrower



## OPERATORS MANUAL John Deere 215A Self-Propelled Windrower

OME36284 I5 English

John Deere Ottumwa Works  
OME36284 I5

LITHO IN U.S.A. (REVISED)  
ENGLISH



# To the purchaser

Your self-propelled windrower was designed and manufactured to the traditionally high quality standards of all John Deere Farm Equipment. It has been thoroughly inspected and tested, not only at the factory, but at your dealer's by a trained John Deere Serviceman.

Should your windrower require replacement parts, go to your John Deere dealer where you can obtain Genuine John Deere Parts — accept no substitutes. Genuine John Deere Parts fit properly and insure satisfactory service because they are made from the original patterns and from the same materials as used in new machines.

## Serial numbers

When ordering parts, always furnish the model and complete serial numbers as given on the serial number plates. By doing so, you will

assist your John Deere dealer in giving you prompt, efficient service.

The windrower serial number plate is located on the left-hand main frame of the power unit.

The draper cutting platform serial number plate is located on the rear windshield near the reel drive multiple sheave.

The auger cutting platform serial number is located on the rear left-hand end of the box beam.

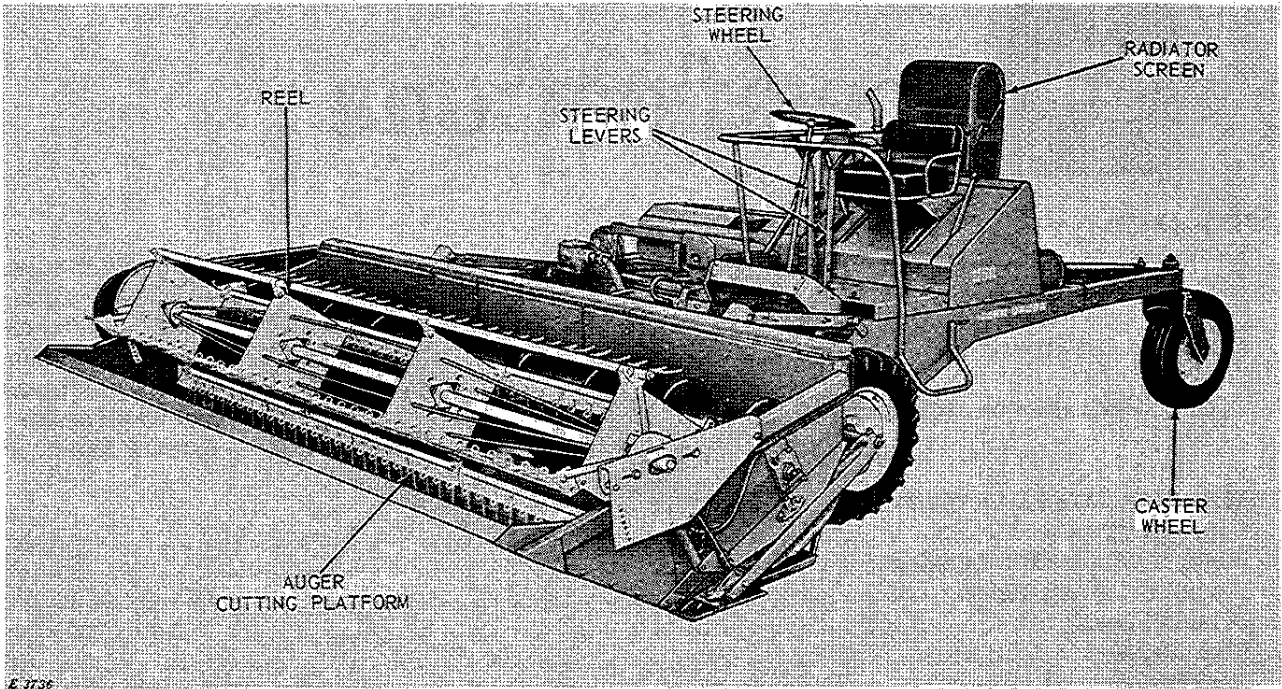
The engine serial number is located on the engine block between the generator and the oil filter.

Windrower serial number \_\_\_\_\_  
Draper cutting platform serial number \_\_\_\_\_  
Auger cutting platform serial number \_\_\_\_\_  
Engine serial number \_\_\_\_\_

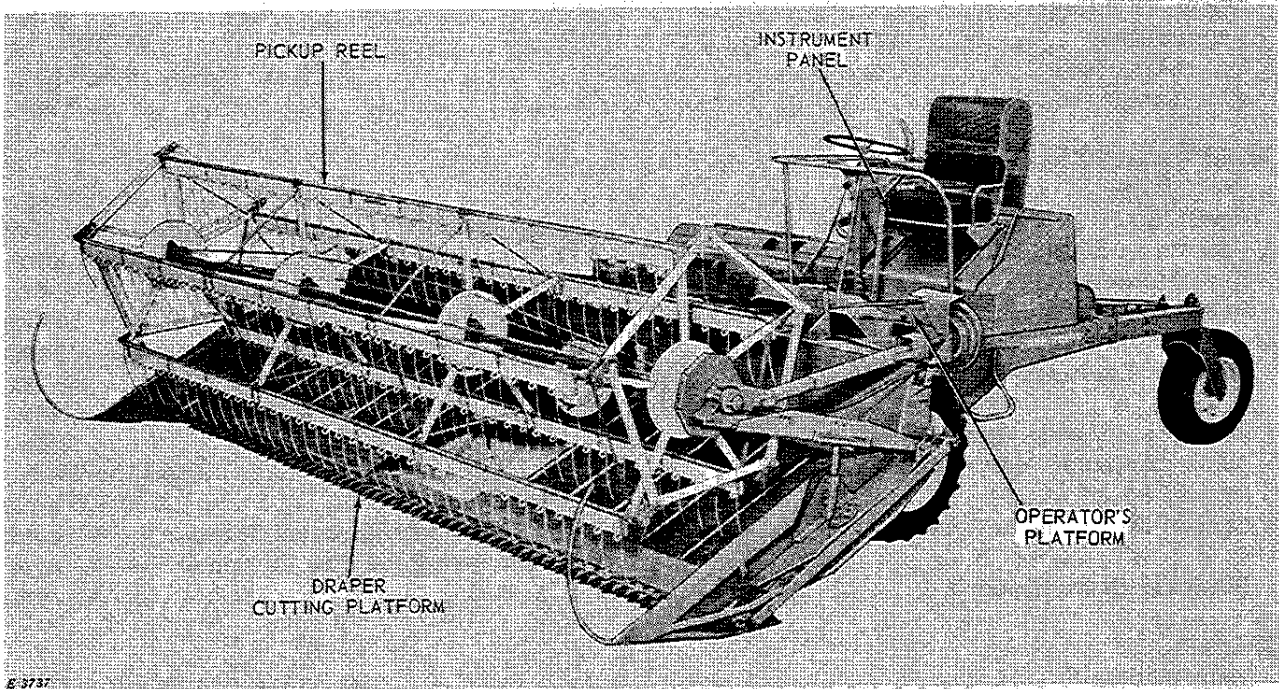
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*NOTE: Right and Left-hand sides referred to in this manual are determined from a position at the rear of the machine facing in the direction of travel.*



*John Deere 215A Windrower with 14-Foot Auger Platform*



*John Deere 215A Windrower with 14-Foot Draper Platform*



# specifications

## CUTTERBAR:

Knife Guards . . . . .	Forged Steel
Width of Cut . . . . .	10-ft. 4-1/2 in. -- Draper; 12-ft. 4-1/2-in. , 14-ft. 4-1/2 in. ; 16-ft. 4-1/2-in. -- Draper
Length of Cutterbars . . . . .	10-ft. 2-in. -- Draper; 12-ft. 2-in. , 14-ft. 2-in. ; 16-ft. 2-in. -- Draper
Type of Knife Sections (Chrome) . . . . .	Overserrated--Regular; Smooth or Underserrated--Extra Equipment

## AUGER CUTTING PLATFORM:

Conveyor Type . . . . .	Auger
Width of Windshield Opening . . . . .	36-in.
Range of Cutting Height . . . . .	-5-in. to +24-in.
Ground Speed . . . . .	2.6 to 7.6 mph
Reel Drive . . . . .	V-Belt
Reel Speed . . . . .	40-84 rpm
Reel Diameter . . . . .	48-in.
Reel Bats . . . . .	Four
Reel Vertical and Horizontal Adjustment . . . . .	4-in. Vertical; 3-in. Horizontal
Auger Diameter . . . . .	22-in.
Auger Flighting . . . . .	5-in.
Auger Speed . . . . .	153-230 rpm
Over-All Width . . . . .	13-ft. 6-in. ; 15-ft. 6-in.
Platform Drive Speed . . . . .	650 rpm

## DRAPER CUTTING PLATFORM:

Reel Drive . . . . .	Bevel Gear
Reel Speed . . . . .	37, 48, or 59 rpm
Number of Slats . . . . .	6--Regular; 2, 3, 4, or 8--Optional
Reel Diameter . . . . .	4-ft. 6-in.
Range of Cutting Height . . . . .	-5-in. to +30-in.
Conveyor Type . . . . .	Two Rubber Impregnated Canvases
Depth of Canvases (Std.) . . . . .	42-in.
(Narrow) . . . . .	40-in.
Distance Between Canvases . . . . .	36-in.
Width of Windshield Opening . . . . .	36, 46, or 56-in.
Ground Speed . . . . .	2.6 to 7.6 mph
Canvas Drive Roller Speed . . . . .	23-Tooth Sprocket Regular -- 648 rpm 27-Tooth Sprocket Extra Equipment -- 765 rpm
Platform Drive Speed . . . . .	615 rpm

## TIRE SIZES:

Main Wheels . . . . .	7.50 x 18-4 Ply Traction Grip
Caster Wheel . . . . .	7.60 x 15-4 Ply Rib Implement

WHEEL TREAD (Main Wheel) . . . . . 113-5/8-in. (Center to Center)

CAPACITIES:

Fuel Tank . . . . . 25 U. S. Gallons  
 Hydraulic Systems . . . . . 3 U. S. Quarts

COUNTERSHAFT SPEED . . . . . 718 to 2250 rpm

WEIGHTS (Approx. ):

Propelling Unit with 12-ft. Auger Platform . . . . . 5450 lbs.  
 Propelling Unit with 14-ft. Auger Platform . . . . . 5650 lbs.  
 Propelling Unit with 10-ft. Draper Platform . . . . . 4675 lbs.  
 Propelling Unit with 12-ft. Draper Platform . . . . . 4825 lbs.  
 Propelling Unit with 14-ft. Draper Platform . . . . . 5000 lbs.  
 Propelling Unit with 16-ft. Draper Platform . . . . . 5250 lbs.

ENGINE:

Model . . . . . John Deere HB-115-G or HD-145-G

Bore:

HB-115-G . . . . . 3-1/2-in.  
 HD-145-G . . . . . 3-5/8-in.

Brake Horsepower:\*

HB-115-G . . . . . 36  
 HD-145-G (at 2340-2360 rpm) . . . . . 46  
 HD-145-G (at 2500-2520 rpm) . . . . . 52

Piston Displacement:

HB-115-G . . . . . 115.45 cu. in.  
 HD-145-G . . . . . 144.48 cu. in.

Number of Cylinders . . . . . 4

Max. No Load Speed:

with Draper Cutting Platform . . . . . 2340 rpm  
 with Auger Cutting Platform . . . . . 2500 rpm

Firing Order . . . . . 1-3-4-2

Type of Lubrication . . . . . Force feed by gear pump to all connecting rods,  
 main bearings, governor, and oil pump drive.  
 Oil strainer in bottom of pan.

Valve Arrangement . . . . . Valve-in-Head

Valve Clearance:

Intake . . . . . 0.012-in. (Cold)  
 Exhaust . . . . . 0.018-in. (Cold)

Make of Governor . . . . . Pierce

Make of Carburetor . . . . . Marvel-Schebler

Spark Plug:

Size . . . . . 14 mm  
 Gap . . . . . 0.025-in.

Electrical System . . . . . 12 volt

Cooling System . . . . . Water Pressure Type

Type of Fuel . . . . . Gasoline (Regular Grade)

\* Calculated at 60° F. and 29.92 inches of Hg. at sea level.

*(Specifications and design subject to change without notice)*

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