

5020 Tractor (Serial No. SN 25000-)



OPERATORS MANUAL

5020 Tractor (Serial No. SN 25000-)

OMR46936 L9 English

John Deere Waterloo Works OMR46936 L9

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





TO THE PURCHASER

Your versatile new John Deere Tractor meets the exacting requirements of modern farming.

Operating ease and comfort, hydraulic power when and where you need it, the ability to match engine power and transmission speed to any job, outstanding economy and dependability, modern styling, and simplicity of lubrication and service are all special features of this great new tractor.

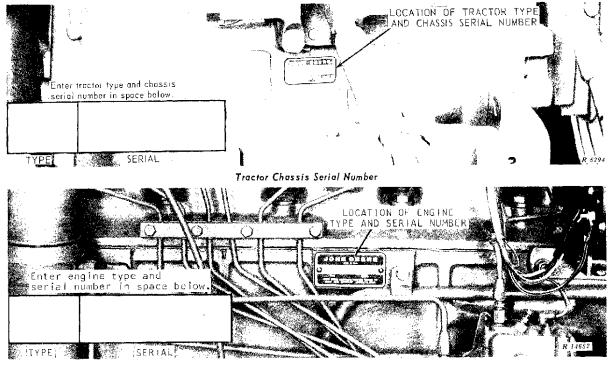
We are confident this modern tractor, combined with equally advanced John Deere tools and implements, will help you to farm better, easier, and more profitably.

At the time the tractor was delivered, the John Deere dealer discussed with you its safe operation and proper care. However, before putting the tractor to work, read this manual. It contains complete instructions for operating the tractor, caring for it, and taking full advantage of its many time- and labor-saving features. After reading the manual, keep it in a convenient place for quick and easy reference if questions arise concerning operation, lubrication or service.

Information concerning warranty on this tractor appears on your copy of the Purchase Order which you should have received from your dealer when you purchased the tractor.

Your John Deere dealer wants to help you get the most value from your tractor. His skilled servicemen can handle every job efficiently. These men are trained in modern service methods; they have all necessary tools and equipment. If new parts are needed, only genuine John Deere parts will be installed. These parts are exact duplicates of the originals, made from the same patterns and of the same high-quality materials.

When in need of new parts, be prepared to furnish your dealer with the tractor type, the complete tractor chassis serial number, the engine type and complete engine serial number. For ready reference, locate and record this information in the spaces provided in the following illustrations.

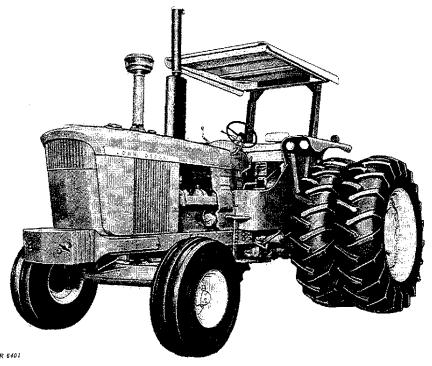


Engine Serial Number



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John Deere 5020 Row-Crop Diesel Tractor with Roll-Gard, Canopy, and Double Rear Wheels



SPECIFICATIONS

*HORSEPOWER: Measured at the PTO 141.34
ENGINE:
Type 6-cylinder, in-line, valve-in-head
Engine Speeds:
Slow idle 800 rpm
Working range 1500 to 2200 rpm
Maximum transport speed 2500 rpm
Bore and stroke $\dots 4-3/4$ in $x 5$ in.
Displacement 531 cu. in.
Compression ratio 16.5 to 1
Firing order 1-5-3-6-2-4
Valve clearance intake 0.018 in.
exhaust 0.028 in.
Injection pump timing TDC
CAPACITIES:
Fuel tank 68 U.S. gals.

Crankcase (with filter change). 20 U.S. qts. Transmission-hydraulic system 16 U.S. gals. Cooling system (add

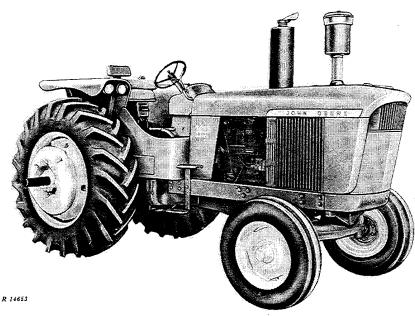
2 U.S. qts. for cab heater)... 33 U.S. qts.

*Above horsepower figure is official at 2200 engine rpm.

GROUND SPEEDS: **

GROUND SPEEDS: ***			
1st 1.7 mph			
2nd 2.6 mph			
3rd			
4th 4.5 mph			
5th 5.6 mph			
6th 7.3 mph			
7th 9.4 mph			
8th 15.4 mph			
1st reverse 3.4 mph			
2nd reverse 5.4 mph			
CLUTCH: Heavy-duty, two 12-in. plates,			
foot operated			
LUBRICATION SYSTEM: Force-feedpres-			
surized with full-flow oil filter			
FUEL SYSTEM:			
Type Direct injection			
Injection pump type Inlet metering,			
distributing type			
Air cleaner Dry type			
COOLING SYSTEM:			
Type Pressurized with centrifugal pump			
Engine temperature control Two heavy-			
duty thermostats			
duty thermostats			

**Calculated at 1900 rpm engine speed with 24.5-32 tires.



John Deere 5020 Row-Crop Diesel Tractor

ELECTRICAL SYSTEM:	DIMENSIONS:
Type 12-volt, negative grounded	Standard (Fixed tread front axle):
Batteries Two 6-volt, 87-plate, 204	Wheel base 104 in.
ampere-hour, group 6T3A,	Over-all length
tractor-type, connected in series	Over-all height 98.3 in.
	Height to steering wheel 82.4 in.
TRANSMISSION:	Width Regular wheel, 95.8 in.
Type Syncro-Range, constant-mesh	Drawbar clearance 16 in.
Gear selections 8 forward and 2 reverse	Turning radius 12 ft. 6 in.
Shifting 4 stations, synchronized	Row-Crop (81.5-inch tread front axle):
shifting within stations	Wheel base 102 to 106 in.
	Over-all length 172.3 in.
POWER TAKE-OFF:	Over-all height 98.3 in.
Type Independent	Height to steering wheel 82.4 in.
Speed (1900 engine rpm) 1010 rpm	Over-all width 108.4 in.
PTO ahead of drawbar hitch point 16 in.	Turning radius 13 ft.
PTO shaft above ground $25-1/2$ in.	TRACTOR CAR
PTO CLUTCH Hydraulically power ac-	Not Air Air Conditioned
tuated, hand-operated	Blower capacity 290 cfm 560 cfm
	Heater capacity 20,000 22,000
HYDRAULIC SYSTEM:	btu/hr. btu/hr.
Type Closed center, constant pressure.	Interior height to roof 60.5 in. 60.5 in.
Includes power steering, power	Interior width (window
brakes, and implement control.	frame to window frame) 50 in. 50 in.
Maximum pressure 2250 psi	Interior length (window
BRAKES Hydraulically power actuated,	frame to window frame) 62 in. 62 in.
disk-type operating in oil	Exterior width at
FRONT TIRES:***	fender well 36.4 in. 36.4 in.
Standard 11.00-16, 8-ply	
Row-Crop	Exterior cab height (tires at loaded radius) 116.7 in. 118.5 in.
REAR TIRES:***	\ <u></u> ,
Standard	SHIPPING WEIGHT (With equipment for
Row-Crop	average field service):
	Standard 15,600 lbs.
FRONT WHEEL TREAD See page 12	Row-Crop 14,480 lbs.
REAR WHEEL TREAD See page 14	

***Additional tire sizes available.

(Specifications and design subject to change without notice.)

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