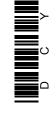
JOHN DEERE 4020 ROW-CROP STANDARD AND HI-CROP TRACTORS (SERIAL NO. 91000-200999)





OPERATORS MANUAL

JOHN DEERE 4020 ROW-CROP STANDARD AND HI-CROP TRACTORS (SERIAL NO. 91000-200999)

OMR41754 E9 English

JOHN DEERE TRACTOR WORKS OMR41754 E9

> LITHO IN THE U.S.A. 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 tractor.

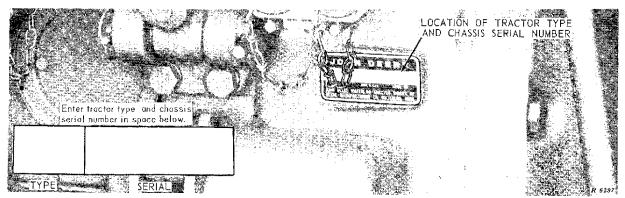
We are confident this modern tractor, combined with equally advanced John Deere tools and implements, will help you to farm better, easier, and more profitably.

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.

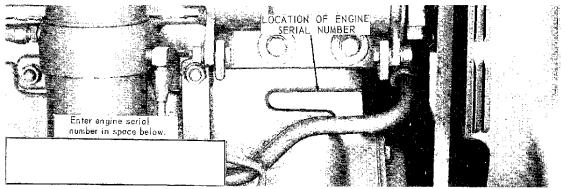
The service policy which you received with your new tractor certifies that the tractor was properly inspected and prepared for delivery by your John Deere dealer. Keep this policy in a safe place and present it to the dealer whenever services which it authorizes are required.

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, complete tractor chassis serial number, and complete engine serial number. For ready reference, locate and record the above information in the spaces provided in the illustrations below.



Tractor Type and Tractor Chassis Serial Number

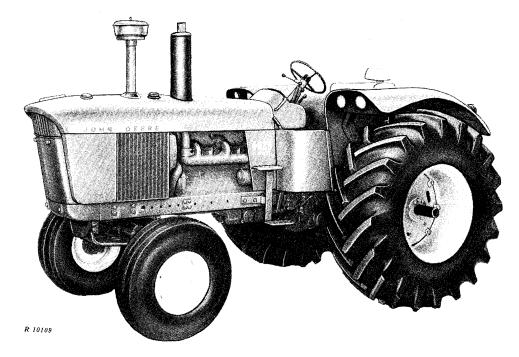


Engine Serial Number



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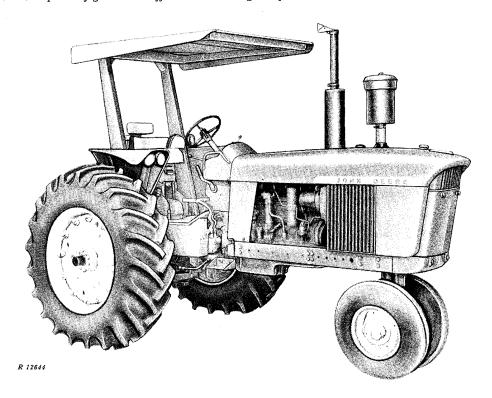
John Deere 4020 Standard Tractor with Diesel Engine



SPECIFICATIONS

| HORSEPOWER (observed): | Diesel | Gasoline | LP-Gas | |
|----------------------------------------|------------------------------------|-------------------|-------------------|--|
| PTO (Syncro-Range Transmission)* | 94 h.p. | 94 h.p. | 94 h.p. | |
| PTO (Power Shift Transmission)** | 91 h.p. | 88 h.p. | 90 h.p. | |
| Drawbar (Power Shift Transmission)** | 78 h.p. | 75 h.p. | 79 h.p. | |
| ENGINE: | | | | |
| Type | 6-cylinder, in-line, valve-in-head | | | |
| Engine speeds: | | 400 | F.00 | |
| Idle for engine shut-off | | 420 rpm | 500 rpm | |
| Normal slow idle | 600 rpm | 650 rpm | 650 rpm | |
| Working range | 1500 to 2200 rpm | 1500 to 2200 rpm | 1500 to 2200 rpm | |
| Maximum transport speed | 2500 rpm | 2500 rpm | 2500 rpm | |
| Bore and stroke | $4-1/4$ in. $\times 4-3/4$ in. | 4-1/4 in. x 4 in. | 4-1/4 in. x 4 in. | |
| Displacement | 404 cu. in. | 340 cu. in. | 340 cu. in. | |
| Compression ratio | 16.5 to 1 | 7.5 to 1 | 9.0 to 1 | |
| Firing order | 1-5-3-6-2-4 | 1-5-3-6-2-4 | 1-5-3-6-2-4 | |
| Intake valve clearance | 0.018 in. | 0.015 in. | 0.015 in. | |
| Exhaust valve clearance | 0.018 in. | 0.028 in. | 0.028 in. | |
| Injection pump timing | TDC | | | |
| Distributor timing (at 2000 rpm) | | 20° BTDC | 25°BTDC | |
| Distributor point gap | | 0.016 in. | 0.016 in. | |
| Spark plug gap | | 0.025 in. | 0.015 in. | |
| ELECTRICAL SYSTEM: | | | | |
| Starter and generator voltage | 24 volts | 12 volts | 12 volts | |
| Lights and accessory voltage | 12 volts | 12 volts | 12 volts | |
| 12-volt battery, 78-plate, 75 amp-hour | Two (connected in series) | One | One | |

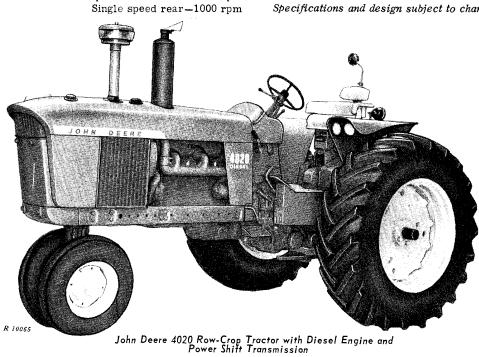
*Maximum observed PTO horsepower at 2200 engine rpm (factory observed).
**Above observed horsepower figures are official at 2200 engine rpm.



John Deere 4020 Row-Crop Tractor with Diesel Engine and Power Shift Transmission Equipped with Roll-Gard, Canopy, and Seat Belt

| COOLING SYSTEM: | | HYDRAULIC SYSTEM | M: | |
|-----------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------|
| Type Pressure trifug Engine temperature control Heavy- | gal pump | Type | sure. I | enter, constant pres- includes power steer- ower brakes, and im- nt control |
| LUBRICATION SYSTEM Force-fe | ed pressurized ith full-flow oil | Maximum pressure | | 2250 psi |
| CAPACITIES: filter Fuel tank Diesel and gasoline | . 34 II S. mola | BRAKES: | | cally power actuated, |
| LP-Gas-(80% ful Crankcase Dry syste | l) 45 U.S. gals. | GROUND SPEEDS . | | See page 12 |
| At service interva | ıls—8 U.S. qts. | FRONT TIRES** | | |
| Transmission-hydraulic system: | | | | 6.00-16, 6-ply |
| Syncro-Range Dry system At service intervals | 0 | Standard | • • • • • • • • • • • • | 7.50-18, 6-ply |
| Power Shift Dry system At service intervals Oil-bath air cleaner Diesel-4 | -17 U.S. gals. -14 U.S. gals. -3/4 U.S. pints | | | 15.5-38, 8-ply 18.4-34, 6-ply |
| Gasoline, LP-Gas-2 | · • | FRONT WHEEL TRE | 4 D. | See mane 16 and 17 |
| Cooling system | 1-3/4 U.S. qts. | REAR WHEEL TREA | | See pages 10 and 17 |
| Belt pulley 2- | Regular and offset wheels See page 18 | | | |
| SYNCRO-RANGE TRANSMISSION: Type Syncro-Range, | constant mach | • | | See page 20 |
| Gear selections 8 forward | | D714771/01/01/0 | | |
| Shifting 4 stations, sync | | DIMENSIONS: Wheelbase | Row-Crop 97-1/2 in. | Standard |
| ing within sta | | Over-all length | 97-1/2 in. 151 in. | 89 or 100-1/4 in. 150-1/8 in. |
| POWER SHIFT TRANSMISSION: | | Over-all height | 88-3/4 in. | , |
| Type Planetary gears | | Height to steer- | 00 0/ 1 | 00 1/ 1 111 |
| and brakes | disk clutches | ing wheel Width (regular | 77-7/8 in. | 78-1/2 in. |
| Gear selection 8 forward | | axle) | 89-5/8 in. | 89-5/8 in. |
| Shifting Hydraulic power shimby speed selector | | Turning radius | 119 in. | 130-1/2 in. |
| POWER TAKE-OFF: | | SHIPPING WEIGHT average field service | (Syncro-Range Tr , less fuel and bal | actors equipped for last. Add 375 pounds |
| Type Independent PTO with mid and rear power take-off. | | | Shift transmission | 1): |
| | s used for rear | | Row-Crop | Standard |
| | ed PTO speed | Diesel | 8436 lbs. | 9044 lbs. |
| conversion | • | Gasoline | 8228 lbs. | 8793 lbs. |
| Speed (1900 engine rpm) | Mid-1000 rpm | LP-Gas | 8319 lbs. | 8918 lbs. |
| Dual speed rear-5 | | **Additonal tires available for special purposes. | | |
| Circula area d | | Chapifications and do | atama and the atamata | |

Specifications and design subject to change without notice.



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