

John Deere Tractors 5303/5403/5503 2WD/4WD from 55 to 75 hp (40 to 55 kW)

RELIABILITY IS OUR STRENGTH

JOHN DEERE

New design, superior power, hitherto unattainable performance

John Deere, the undisputed producer of the most powerful best-in-class tractors, hands this power over to the 55 to 75 hp tractor class. The 5003 series tractors boast a harmonious design and unmatched performance.

The 5003 is robust and well-built to suit all working conditions, reliable, unsurpassed in comfort and, thanks to its technical characteristics, guaranteed to increase your capacity and enhance your productivity.

An original John Deere built PowerTech engine efficiently delivers the pulling power you need in the most difficult working conditions and the easy-shifting transmission gives you 9 forward and 3 reverse gears with optimum efficiency and productivity and a minimum of effort. This powerful engine and transmission mechanism combination provides for maximum performance in any terrain condition.

The 5003 Series tractor with its optional dual cycle PTO is perfect for every job. For the heaviest load, the highest PTO power in its class features 540 rpm, and for lighter jobs with its superb fuel economy, you have the 540E economy PTO option.



With its three-point hydraulic link system, it has the lifting capacity for any lifting requirement, even the heaviest. And when working with compatible equipment, high performance, comfort and safety are guaranteed with its independent PTO.



Original John Deere engine: *The original John Deere engine will provide the driver with sufficient pulling power with the utmost ease and efficiency, even in the most difficult working conditions. The reliable, high performance John Deere engine guarantees torque and pulling power whenever you need it.*



It is easier to get on and off the tractor.

To service the tractor, access to the battery, air filter, engine and other parts at the front end is extremely easy.



The driver has an easy and comfortable drive with the wide, flat driving platform. And the adjustable suspension driver's seat ensures comfort for long periods of time. There are no controls in the foot area in the driver's platform to obstruct legs or cause discomfort to the driver.

Depending on the model, you can choose between collar shift and synchronized transmissions with 9 forward and 3 revers gears.



Parts availabilty is secured at all times through your John Deere local distributor and dealer network.

5403 2WD



5403 4WD



5303 2WD



5303 4WD



SPECIFICATIONS



TECHNICAL SPECIFICATIONS*	5303 (2WD-4WD)	5403 (2WD-4WD)	5503 (2WD-4WD)
POWER: Rated (ECER24 – with fan)	40.4 kW (55HP)	47.8 kW (65 HP)	54,8 kW (75 HP)
Maximum power (ISO – without fan)	44.1 kW (60 HP)	51.4 kW (70 HP)	58,8 kW (80 HP)
ENGINE:			
Manufacturer	John Deere	John Deere	John Deere
Type	PowerTech diesel engine	PowerTech diesel engine	PowerTech diesel engine
Operating range	1600-2400 rpm	1600 – 2400 rpm	1600 – 2400 rpm
Number of Cylinders/Cylinder volume	3/2930 cc	3/2930 cc	3/2930 cc
Aspiration	Natural	Turbo	Turbo
Piston stroke	106 mm/110 mm	106 mm/110 mm	107 mm/110 mm
Lubrication	Filtered pressurized oil	Filtered pressurized oil	Filtered pressurized oil
Cooling system	Pressurized with centrifugal pump	Pressurized with centrifugal pump	Pressurized with centrifugal pump
CAPACITIES:			
Fuel tank	72 L	72 L	72 L
Cooling system	9.5 L	9.5 L	9.5 L
Crankcase	8.5 L	8.5 L	8.5 L
TRANSMISSION:			
Number of gears	9 forward, 3 reverse collar shift	9 forward, 3 reverse collar shift	9 forward, 3 reverse synchronized
Speed	30 km/h	30 km/h	30 km/h
Final drive	Sun geared	Sun geared	Sun geared
Front axle	2WD – 4WD	2WD – 4WD	2WD – 4WD
PTO:			
Independent PTO	540	540	Dual cycle, 540/540E
PTO rpm (540/540E)	2400	2400	2400/1700
PTO clutch diameter	280 mm	280 mm	280 mm
Control	Hand operated	Hand operated	Hand operated
BRAKES:			
Type	Hydraulically actuated wet disk	Hydraulically actuated wet disk	Hydraulically actuated wet disk
Operation	Foot operated, individually or simultaneously	Foot operated, individually or simultaneously	Foot operated, individually or simultaneously
Adjustment	Self-adjusting	Self-adjusting	Self-adjusting
HYDRAULIC SYSTEM:	Open center	Open center	Open center
Type	Tandem-gear	Tandem-gear	Tandem-gear
Max. pressure	195 bar	195 bar	195 bar
Flow rate	43 L/min	43 L/min	43 L/min
Hydraulic power outlet	1 double acting SCV	1 double acting SCV	1 double acting SCV
3-POINT HITCH:			
Universal 3-point category	Category II, (I)	Category II, (I)	Category II, (I)
Draft control	Top-link sensing	Top-link sensing	Top-link sensing
Interchangeable hitch balls	Standard	Standard	Standard
Lift capacity (from joint point)	2000 kg	2000 kg	2000 kg
STEERING:	Hydraulic steering	Hydraulic steering	Hydraulic steering
ELECTRICAL:			
Battery	12 V	12 V	12 V
Alternator	40 A	40 A	40 A

* The manufacturer reserves the right to change designs, technical specifications and accessories without prior notice.

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