

# 5D SERIES

3 CYLINDER TRACTORS



JOHN DEERE



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THE PERFECT FIT FOR YOUR GENERAL FARMING OPERATIONS

A low horsepower tractor ideally designed for agricultural purposes. The solution for a wide range of applications. Benefit with ample torque to power through those tough spots.



GRAINS



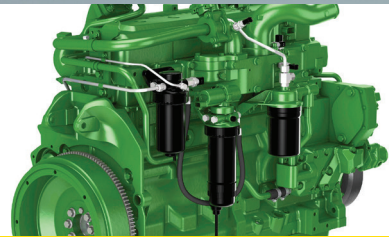
BEEF &  
DAIRY



HAY &  
FORAGE



HIGH VALUE  
CROP



## ROBUST ENGINE PERFORMANCE

A high-performance **2.9L John Deere PowerTech™ engine**, with a piston spray benefit. This uniquely designed system provides continuous oil spray on the piston which helps dissipate excess heat, optimising engine operating temperature and improving engine efficiency. The optimum engine operating temperature enhances the life of critical engine parts and reduces maintenance costs. This uniquely designed system also delivers lower fuel consumption and improved field productivity.



## OPERATOR STATION

An ergonomically well-designed **comfortable operator's station** with easy seat positioning, hydrostatic steering wheel, optimally positioned controls and instrumentation that offers easy operation of the tractor which reduces operator fatigue. Application within orchards are made easy with the compact design and improved maneuverability in confined spaces.



## 540E PTO

Additional to the standard 540 PTO, the 5D also features an economical PTO. The economical 540E PTO (Power Take Off) is ideal for any PTO application, from running a mower conditioner to a baler, thresher, or a cutter, where full horsepower is not needed. Operating at lower engine rpm **decreases fuel costs during tasks**, and the overall operating experience improves with less noise and vibration for the operator.



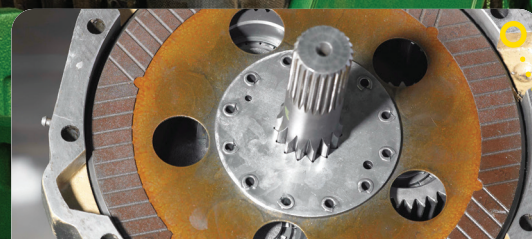
## FINAL DRIVE DURABILITY

Proven reliability and durability in **any heavy duty application**, designed with inboard planetary final reduction gears. This heavy duty final drive design ensures trouble free application in severe heavy duty primary tillage applications.



## COLLAR-SHIFT TRANSMISSION

Achieve excellent results with the **8F/4R Collar-Shift transmission**. The transmission is designed to match the excellent power and torque characteristics of the John Deere PowerTech™ engine. Constant-mesh, helical gears create a quieter working environment and provide excellent reliability.



## RELIABLE EFFICIENT BRAKING

**Experience better responsive braking**, especially under pressure with fully self-adjusting, dual stage hydraulic wet-disc brakes.



## QUICK RAISE AND LOWER

Enhance operator comfort by avoiding frequent PC and DC operation. John Deere 5D Series Tractors have **Mechanical Quick Raise and Lower** which enables the lifting of implements to the intended position without disturbing the position control (PC) and draft control (DC) levers at a headland turn.



## GENUINE JOHN DEERE PARTS

John Deere delivers **quality parts** that are tailored to enhance the performance, comfort, and reliability of your tractor. Genuine tractor parts operate and function perfectly as they are created when the tractor is designed and developed. Your John Deere tractor will stay as reliable as the day it was bought - for years and years to come.



|   | 5039D   | 5045D                           | 5050D                           |
|---|---|---------------------------------|---------------------------------|
| ENGINE  |   |                                 |                                 |
| Rated power (97/68EC) hp (kW) (@ 2100 engine rpm)       | 39 hp (30.8 kW)   | 46 hp (34.5 kW)                 | 50 hp (36.5 kW)                 |
| Maximum Torque, Nm                                      | 153 N.m @ 1200 rpm  | 175 N.m @ 1300 rpm              | 192 N.m @ 1200 rpm              |
| Torque Reserve, percentage (%)                          | 17%   | 15%                             | 16%                             |
| PTO Power hp (kW) @ 2400 engine rpm                     | 34.8 (26.1)   | 37.2 (27.8)                     | 41.5 (31.0)                     |
| Aspiration  | Naturally Aspirated   |                                 | Turbo Charged                   |
| Engine Manufacturer                                     | John Deere Power Systems  |                                 |                                 |
| Engine Type (3 Cylinder), Displacement                  | 2.9 L PowerTech Diesel Engine                                     |                                 |                                 |
| Fuel System   | Inline Fuel Injection Pump, Direct injection                      |                                 |                                 |
| Air Filter  | Dry Type, Dual Element  |                                 |                                 |
| Cooling system  | Liquid Cooled   |                                 |                                 |
| TRANSMISSION  |   |                                 |                                 |
| 8F/4R Collar Shift Transmission                         | X   | X                               | X                               |
| CLUTCH  |   |                                 |                                 |
| Dual (Dry Clutch)                                       | X   | X                               | X                               |
| REAR AXLE   |   |                                 |                                 |
| 3 Pinion  | Inboard Planetary Final Drives                                    |                                 |                                 |
| FRONT AXLE  |   |                                 |                                 |
| 2WD - Adjustable/Fixed                                  | X   | X                               | X                               |
| MFWD - Mechanical Front Wheel Drvie Fixed Track         | N/A   | Optional                        | Optional                        |
| STEERING  |   |                                 |                                 |
| Type (OOS/CAB)  | Hydrostatic Power Steering  |                                 |                                 |
| BRAKE   |   |                                 |                                 |
| Type  | Hydraulically Actuated Wet Disk Brakes                            |                                 |                                 |
| Secondary Brake   | Hand Brake  |                                 |                                 |
| HYDRAULIC SYSTEM  |   |                                 |                                 |
| System Type   | Open Center Hydraulic System                                      |                                 |                                 |
| Total Flow (L/min)                                      | 36.1  |                                 |                                 |
| Maximum No. of SCV's                                    | 1 x Double Acting - Rear Selective Control Valve                  |                                 |                                 |
| ELECTRICAL SYSTEM                                       |   |                                 |                                 |
| Alternator Size (A)                                     | 40  |                                 |                                 |
| Battery Size (Ah)                                       | 12V, 88Ah   |                                 |                                 |
| 3- POINT HITCH REAR                                     |   |                                 |                                 |
| Hitch Category  | CAT II with sway chains   |                                 |                                 |
| Lift Capacity at the ball (kg)                          | 1600  |                                 |                                 |
| Wagon Hitch   | All countries excluding Botswana, Eswatini, Namibia, South Africa |                                 |                                 |
| Drawbar   | Botswana, Eswatini, Namibia, South Africa                         |                                 |                                 |
| REAR POWER TAKE-OFF (PTO)                               |   |                                 |                                 |
| 540 @ 2100 engine rpm                                   | X   | X                               | X                               |
| 540E @ 1600 engine rpm                                  | X   | X                               | X                               |
| OPEN OPERATOR STATION                                   |   |                                 |                                 |
| Open Operator Station                                   | X   | X                               | X                               |
| CAPACITIES  |   |                                 |                                 |
| Fuel Tank (L)   | 60  |                                 |                                 |
| DIMENSIONS and WEIGHTS                                  |   |                                 |                                 |
| Wheelbase (mm)  | 1950  |                                 |                                 |
| Ground clearance (mm), Center MFWD without front ballas | 380   | 460 (TWD) / 365 (MFWD)          | 440 (TWD) / 365 (MFWD)          |
| Tractor weight (kg) shipping weight not ballasted       | 1795  | 1825 (2WD) / 1975 (MFWD)        |                                 |
| WHEELS and TIRES  |   |                                 |                                 |
| Front Wheels (Radial tire technology)                   | 6.0x16  | 6.0X16 (2WD)<br>8.0X18 (MFWD)   | 6.0X16 (2WD)<br>8.0X18 (MFWD)   |
| Front Wheels (MFWD) (Radial tire technology)            | 13.6X28   | 13.6X28 (2WD)<br>14.9X28 (MFWD) | 13.6X28 (2WD)<br>14.9X28 (MFWD) |

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