

# 5090E

John Deere Tractors (90 hp)



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## Engine

Engine Power	90 Hp (66.4 kW)
Rated engine speed	2400 rpm
Maximum torque	318 Nm
	1600 rpm
Cylinders	4
Aspiration	Turbo
Capacity	4.5 L (276 in <sup>3</sup> )
Compression	17.0:1
Injection pump	Rotary

## Transmission

Standard	Synchronized
Gears	9 forward / 3 reverse
Optional	PowrReverser™
Gears	12 forward / 12 reverse
Inversor	Yes, electro-hydraulic

## Clutch

Type	Dry
Option	Wet with PowrReverser™
Material	Cerametallic
Bore	279 mm (11 in <sup>3</sup> )

## Power Take-Off

PTO horsepower	77 hp
Speed	540 rpm
Option	540E Economic with PowrReverser™
Activation	Mechanical

## Hydraulic system

Type	Open center
Pump type	Gears
Implement pump capacity	60.2 L/min
Max pressure at implement	19 MPa / 2755 lb/in <sup>2</sup>
Hitch lift capacity	1530 kg
System sensibility	3 point
Hitch category	I and II
Selective control valve	1 (2nd optional)

## Steering

Type	Hydrostatic
Steering flow	24.9 L/min

## Rear Axle

Differential lock	Mechanical by pedal
Brakes type	Wet multi-disk self-adj
Activation	Hydraulic

## Electric system

Alternator	70 A
Starter motor	3.39 hp (2.5 kW)



## Capacities

Fuel Tank	95 L
Cooling system	10.8 L
Engine oil	8.5 L
Transmission oil, differential and hydraulic system	38 L

## Dimensions

Wheelbase	2180 mm
Overall length	3510 mm
Overall width, rear axle	2100 mm
Height to top of ROPS	2540 mm
Height to steering wheel	1970 mm
Minimum clearance to ground	420 mm
Approximate shipping weight	2600 kg

## Tires

Front	12.4 - 24
Rear	18.4 - 30

## Basic equipment

- Drawbar
- Operator seat with seatbelt
- Roll over protection
- Front weight
- Operators manual



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