

# 5090EH

John Deere Tractor



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Engine	
Engine power	89 hp / 92 hp
Emissions level	Tier 2
Rated ERPM	2400 rpm
Torque	355 Nm
	1600 rpm
Cylinders	4
Aspiration	Turbocharged
Displacement	4.5 L (276 in <sup>3</sup> )
Fuel Tank	95 L / 125 L (Cab)

Transmission	
Type	9F / 3R Synchronized
Option	12F / 12R PowrReverser™
Reverser	Yes, EH only PowrReverser™
MFWD Activation	Mechanical
Option	Electrohydraulic with PowrReverser™

Clutch	
Type	Dry
Option	Wet with PowrReverser™
Material	Cerametallic
Diameter	279 mm (11 in)

Power Take-Off	
PTO Hp	77 hp
Type	Independent
Speeds	540
Option	540 / 540E with PowrReverser™

Hydraulics	
Hydraulic System	Open center
Pump type	Gears
Total flow	85.1 L/min
Flow to implement	60.2 L/min
Lift capacity @ 610 mm	1398 kg
Category	I & II
Rear SCV	1 (2nd optional)

Differential and rear axle	
Differential lock	Mechanical with pedal
Brakes	Hydraulically operated wet disk

Steering	
Type	Hydrostatic power
Flow to steering	24.9 L/min

Electrical system	
Alternator	70 A / 90 A (Cab)
Starter motor	3.39 hp (2.5 kW)

Wheels & tires	
Standard	
- Front tires	13.6 – 38 R2
- Rear tires	13.6 – 38 R2
Optional	
- Front tires	230/95R 48 R1W
- Rear tires	230/95R 48 R1W

Ground speeds at rated engine speed			
TSS-Top Shaft Synchronized Transmission – km/hr			
A1	2,1	C1	13,8
A2	3,1	C2	19,9
A3	4,2	C3	27,1
B1	5,0	AR	3,6
B2	7,2	BR	8,4
B3	9,9	CR	23,2

Speeds with rear tire 16.9-30

PR- PowrReverser™ transmission – km/hr			
A1	1,7	AR1	1,8
A2	2,3	AR2	2,5
A3	3,1	AR3	3,4
A4	4,2	AR4	4,6
B1	4,9	BR1	5,3
B2	6,6	BR2	7,2
B3	9,1	BR3	9,9
B4	12,2	BR4	13,3
C1	14,1	CR1	15,4
C2	19,2	CR2	21
C3	26,2	CR3	28,6
C4	35,1	CR4	38,3

Speeds with rear tire 18.4-30



Dimensions	
Wheelbase	2179 mm
Overall length	3586 mm
Overall width	2010 mm
Height to top of ROPS	2899 mm
Height to steering wheel	2315 mm
Ground clearance	649 mm
Approx. shipping weight	3235 kg

Basic equipment	
- Fuel prefilter	- Double element air filter
- Safety triangle	- Drawbar
- Seatbelt	- 1st rear SCV
- Foot throttle	- 2 rear lamps
- 1 front lamp	- Front weight support
- Operators manual	- Roll-over protective structure

Basic equipment for cab	
- Isolated cabin	- Air conditioner / heater
- Seatbelt	- Seat with mechanical suspension
- Windshield wipers	- Interior lights / warning lights
- 12V connector	- AM/FM radio preparation
- Preparation for Greenstar system with PR	- Cup holder

Optional equipment	
- Front counterweights	- Rear counterweights
- Canopy	- Creeper
- 2nd rear SCV	- Air suspension seat for cab

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