

# 5E Series

John Deere Tractors (77-89 hp)



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Engine	5076E	5082E	5090E
Engine horsepower at rated engine speed	77 hp (57.4 kW)	81 hp (60.4 kW)	89 hp (66.4 kW)
Rated engine speed	2400 rpm		
Maximum torque	292 Nm 1220 rpm	292 Nm 1220 rpm	318 Nm 1600 rpm
Cylinders	4		
Aspiration	Natural	Natural	Turbo
Option	Turbo	Turbo	NA
Capacity	4.5 L (276 in <sup>3</sup> )		
Compression	17.6:1	17.6:1	17.0:1
Injection pump	Rotary		

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

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

Power Take-Off			
PTO horsepower	66 hp	70 hp	77 hp
Control	Independent		
Speed	540 rpm		
Option	N/A	540E Economic with PowrReverser™	
Activation	Mechanical		
Activation	N/A Electro-hydraulic with PowrReverser™		

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	1 and II		
Selective control valve	1 (2 <sup>nd</sup> optional)		

Steering	5076E	5082E	5090E
Type	Hydrostatic		
Steering flow	24.9 L/min		

Rear Axle			
Differential lock	Mechanical by pedal		
Brakes type	Wet multi-disk self-adjustable		
Activation	Hydraulic		

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

Capacities			
Fuel Tank	95 L	95 L / 125 L with cab	
Cooling system	10.8 L		
Engine oil	8.5 L		
Transmission oil, differential and hydraulic system	38 L		

Dimensions			
Wheelbase	2127 mm	2180 mm	
Overall length	3295 mm	3510 mm	
Overall width, rear axle	2100 mm		
Height to top of ROPS	2495 mm	2540 mm	
Height to steering wheel MFWD	1740 mm	1970 mm	
Minimum clearance to ground MFWD	320 mm	420 mm	
Approximate shipping weight MFWD	2500 kg 2WD / 2600 MFWD		

Tires			
Front standard	10.0 - 16 2WD / 13.2 - 24 MFWD		
Front optional MFWD	11.2 - 24 / 12.4 - 24		
Rear standard	15.5 - 38		
Rear optional	16.9 - 30 / 18.4 - 30		

Speeds			
Forward at 2400 rpm			
A1 2.1 km/h	C1 11.3 Km/h		
A2 3.1 km/h	C2 19.9 km/h		
A3 4.2 km/h	C3 27.1 Km/h		
B1 5.0 km/h	R1 3.6 km/h		
B2 7.2 km/h	R2 8.4 km/h		
B3 9.9 km/h	R3 23.2 km/h		

Rear tires 16.9 x 30 R1 (km/h) for all 5E Series models

Basic equipment		
- Water tramp in fuel system	- Foldable steering column (except 5076E)	
- Fuel pre-filter	- SMV Emblem	
- Double element air filter	- Foot throttle	
- Drawbar with fork connector	- 3 working lamps (2 front and 1 rear)	
- Operator seat with seatbelt	- 7 pin connector	
- Roll over protection	- 1 <sup>st</sup> selective control valve	
- Front weight support	- Operators manual	

Optional Equipment		
- Front counterweights	- Standard and Deluxe canopy	
- Front fenders (MFWD)	- Creeper (speed reductor)	
- Rear counterweight	- 2 <sup>nd</sup> selective control Valve	
- Tool box	- Double medium valve with Joystick	

Cab Standard Equipment		
- Isolated cab	- Preparation for AM/FM radio	
- Air conditioner and heater	- 2 speakers	
- Fabric seat with mechanical suspension	- Preparation for Greenstar™ system with PowrReverser™ transmission	
- Safety belt	- 12V connector lighter type	
- Folding steering column	- 12V connector with 3 pins	
- Front windshield with wiper	- 4 working lamps (2 front and 2 rear)	
- Interior rearview mirror	- Cup holder	
- Interior light, front and rear warning lights		

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