

John Deere
5075E
Utility Tractor

Key Specs

Engine description	John Deere PowerTech™ 3029 EWR
Engine displacement	3 cylinders: 2.9 L 179 cu in.
Rated engine power	At 2100 rpm: 55 kW 75 hp
Maximum engine power	55 kW 75 hp
Rated PTO power (hp SAE)	At 2100 rpm: OOS 45 kW (60.3 hp) Cab 43 kW (57.6 hp)
Transmission type	Standard: SyncShuttle™ 9F/3R Optional: PowrReverser™ 12F/12R
Hydraulic pump rated output	68.8 L/min 18.2 gpm
Rear hitch category (SAE designation)	Category 2; convertible to 1

Engine specifications

Description	John Deere PowerTech™ 3029 EWR
Engine type	3029HPY110
Engine family	NJDXL02.9339

Rated speed	2100 rpm
Aspiration	Turbocharged
Cylinders liners	Wet sleeved
Emission level	Final Tier 4
After treatment type	DOC/EGR
Displacement	3 cylinders: 2.9 L 179 cu in.

Engine performance

Rated power	At 2100 rpm: 55 kW 75 hp
Rated PTO power (hp SAE)	At 2100 rpm: OOS 45 kW (60.3 hp) Cab 43 kW (57.6 hp)
Power boost	0 percent
Maximum engine power	55 kW 73.7 hp
Engine peak torque	At 1500 rpm: 304 Nm 224 lb-ft
PTO torque rise	21 percent

Transmission

Type	Standard: SyncShuttle™ 9F/3R Optional: PowrReverser™ 12F/12R
Reverser	SyncShuttle™: No PowrReverser™: Yes
Clutch; wet/dry	SyncShuttle™: Dry PowrReverser™: Wet

Creeper	Kit available for OOS SyncShuttle™ 9F/3R transmission
Hydraulic system	
Type	Open center
Pump rated output	68.8 L/min 18.2 gpm
Available flow at a single rear SCV	43.1 L/min 11.4 gpm
Number of rear selective control valves (SCVs)	Standard: One Optional: Two
Number of mid selective control valves (SCVs)	Standard: Zero Optional: Up to Three
Joystick SCV control	Mechanical
Rear hitch	
Hitch draft control load sense type	Mechanical
Remote control valves available	Standard: One Optional: Two
Hitch category (SAE designation)	Category 2; convertible to 1
Maximum lift capacity behind lift points	1448 kg 3192 lb
Sensing type	Top link

Drawbar

Maximum vertical load

Road/field use (short position): 1120 kg
2470 lb
Field use (fully extended): 760 kg
1675 lb

Rear power take-off (PTO)

Type

SyncShuttle™: Independent 540
PowrReverser™: Independent 540/540E

Engine rpm (at rated PTO speeds)

540 at 2100 rpm
540E at 1588 rpm

PTO actuation

SyncShuttle™: Mechanical (lever)
PowrReverser™: Electrohydraulic

Rear axle

Type

Flange

Final drive type

Planetary

Differential controls

Mechanical (pedal)

Brakes, type and control

Hydraulic wet disc

Front axle

Type

Standard: Two-Wheel Drive (2WD)
Optional: Mechanical Front Wheel Drive (MFWD)

Tires

Rear	2WD: 16.9-28 R1 Bias MFWD: 16.9-28 R1 Bias
Turning radius with brakes	2WD: 3.1 m 10.2 ft MFWD: 3.94 m 12.9 ft
Turning radius without brakes	2WD: 3.5 m 11.5 ft MFWD: 4.65 m 15.3 ft

Electrical system

Alternator size	OOS: 70 amp Cab: 110 amp
Battery options	12 V
Working lights	Standard: Halogen Premium Cab: LED
Type of bulb in headlight (Halogen, Zenon, LED)	OOS: Halogen Cab: LED
Type of bulb in beacon (Halogen, Zenon, LED)	Kit: Halogen

Operator station

Rollover protective structure, OOS	Rigid - foldable - telescopic Foldable, two-post Platform - flat/straddle Straddle Gearshift location - console/floor Floor, on the side
Seat	Standard: Mechanical Premium Cab: Air Ride

Instructional seat	Optional
Display	Simple automotive-style instrument cluster
Radio	Optional
dB(A) rating	81 dBA

Dimensions

Wheelbase	2WD and MFWD: 2050 mm 80.7 in.
Overall length	3639 mm 143.3 in.
Approximate shipping weight, Open;Cab	2WD OOS: 2520 kg 5555 lb 2WD Cab 2989 kg 6590 lb MFWD OOS: 2735 kg 6029 lb MFWD Cab: 3090 kg 6812 lb

Capacities

Fuel tank	OOS: 72.5 L 19 U.S. gal. Cab: 82 L 21 U.S. gal.
Diesel exhaust fluid (DEF) tank	Not Applicable
Miscellaneous	
AutoTrac ready	No
ISOBUS ready	No

**Country of
manufacture**

Sub assembly in Pune, India, Final assembly in Augusta, GA

Date collected

6-Jan-2023