

5E and 6E Utility Tractors

Experience versatility



JOHN DEERE



Gear up for utility work

Making the decision to purchase a new utility tractor is now easier than ever. The 5E Series feature the value of choice with cab or open station, 2WD or 4WD as well as transmission options in addition to easy to use controls.

And presenting the John Deere 6E... this is what a utility tractor should be. It is the newest member of the popular line of affordable E Series Tractors.



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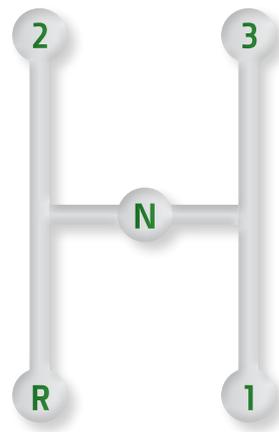
5050E

The 5E Series tractors are built with economy in mind. They offer the core functionality you need for your operation without the bells and whistles. The 5050E is an open station tractor featuring a Tier 3, 2.9 L PowerTech™ engine with 2WD axle and top-shaft synchronised transmission, positioning you to knock out jobs with ease.



Ergonomic open station

The straddle-mount operator station is designed to position the operator further forward and slightly lower, improving the operator's ride and visibility.



9F / 3R Top-shaft synchronised (TSS)

The TSS transmission provides 9 forward and 3 reverse gears to the operator. The H pattern gear shift allows quick, inline shifting between second gear and reverse.

2WD axle

The 2WD axle comes standard on the 5050E. It provides 10° of oscillation allowing the axle to follow uneven terrain for consistent performance and operator comfort.

PowerTech M, 3-cylinder

A turbocharged 2.9 L engine manufactured for Tier 3 emissions certification, provides the power you need with durability and excellent torque.

Engine

	5050E
Engine power, kW (hp)	37.2 (49.6)
Cylinders	3
PTO power, kW (hp)	31.3 (42.6)

5055E, 5065E, 5075E

These machines will show you their true worth with their hard work in the paddock or yard, and their abilities in vineyards, orchards or council services. Choose between a spacious open station or enclosed cab. Whatever your choice, your tractor comes with all the safety and reliability of more than 175 years of John Deere engineering expertise.





Compact and agile

A tight turning radius combined with the mechanical front wheel drive (MFWD) front axle option provides excellent manoeuvrability around the worksite.



Transmissions to suit

A top-shaft synchronised 9F / 3R or PowrReverser™ 12F / 12R transmission with wet clutch allows operators to accomplish quick directional changes with comfort and ease, ideal for loader work.



Engines

	5055E	5065E	5075E
Engine power, kW (hp)	41.0 (55.0)	48.5 (65.0)	55.9 (75.0)
Cylinders	3	3	3
PTO power, kW (hp)	28.3 (38.0)	31.4 (42.1)	41.5 (55.7)



Operator station options

An open station or large, comfortable cab is available for you to choose from. The 5E cab provides excellent visibility, climate control, and reduced noise and vibration by absorbing shocks and bumps.

Maximum visibility

The John Deere TechCenter™ Cab gives you a great view during loader operations. A swing-out rear window opens to 70°, providing further visibility when hooking up implements.

Creeper ground speed estimate*

For activities requiring even lower speeds, a creeper option is available in combination with the 12/12 PowrReverser™ transmission.

Forward Gear	km/h	Reverse Gear	km/h
1	0.26	1	0.28
2	0.36	2	0.39
3	0.49	3	0.53
4	0.65	4	0.71

*Speeds are calculated using 14.9R28 rear tyres. Speeds will vary depending on tyre choice and driving conditions.

Real, long lasting power

The turbocharged 2.9 L, 3-cylinder Powertech™ engine offers the power required for many different applications.



Maintenance made easy

A single-piece, tilting engine hood on the tractors opens wide to give easy access to all maintenance points.

Wet disk brakes

Expect sure stops with the 5E's wet disk brakes. Lock brake pedals together for braking on both rear wheels or leave them unlocked to make tighter turns in-field.



5083E, 5093E

Toughness, reliability, outstanding performance and low operating costs: the 5083E and 5093E tractors are a great choice for farmers, land owners, specialist horticultural businesses, contractors and councils.





Dependable performance

Designed and manufactured by John Deere, the 4-cylinder PowerTech™ engine provides excellent torque, efficiency, and durability.

12F / 12R PowrReverser™

The PowrReverser transmission provides additional flexibility for operators in multiple applications. The hydraulic wet clutch maximises durability and maintains transmission integrity.



Quick direction changes

The PowrReverser transmission also features a left-hand hydraulic Powershift, allowing the operator to switch between forward, reverse and neutral effortlessly. This is ideal for operations involving loader applications that require frequent directional changes in tight spaces.

Engines

	5083E	5093E
Engine power, kW (hp)	61.1 (82.0)	68.6 (92.0)
Cylinders	4	4
PTO power, kW (hp)	50.7 (68.0)	58.9 (79.0)



Greater visibility

For greater visibility when attaching implements the rear window opens to 70°. An open station model is also available.

Traction on demand

The heavy-duty mechanical front wheel drive (MFWD) improves traction in slippery conditions. MFWD ensures the operator gets the required torque to the ground to meet application demands.

Differential lock

Have confidence in wet and muddy areas with differential lock. Differential lock allows power to be applied equally to both rear wheels for better traction when wheel slip occurs.

Capable hydraulics

The 5083E and 5093E's open centre hydraulic system provides up to 85.1 L of flow per minute. The systems high flow rate achieves excellent hydraulic performance and capacity.

Creeper options

The 5083E and 5093E both have the option of adding a creeper for activities that require lower speeds.

Creeper ground speed estimate*

Forward Gear	2,400 rpm (km/h)	Reverse Gear	2,400 rpm (km/h)
1	0.29	1	0.32
2	0.4	2	0.44
3	0.55	3	0.6
4	0.73	4	0.8

*Speeds are calculated using 18.4R30 rear tyres. Speeds will vary depending on tyre choice and driving conditions.



Implement ready

For your convenience the 5083E and 5093E come fitted with dual rear valve SCVs plus the option of adding an additional dual midvalve SCVs.

A 540 / 540E PTO helps save fuel, reduce noise, and reduce wear and tear on the engine.



Climate controlled cab comfort

Powerful air conditioning, heating, and opening side windows give you full control over the climate in your cab. For additional comfort and performance, the cab is mounted on isolators, reducing noise and creating a pleasant work environment.

6E Tractors

A no-nonsense machine built to take on just about any utility job you've got on the farm, roadside or worksite. Whether you've got hay to cut, roadsides to mow, bales to lift, or gravel to move, the 6E provides the versatility and durability to perform.



Front axle versatility

The 6E's MFWD axles reduce wheel slippage and provide greater upfront power allowing you to be more productive in the field. A 2WD option is also available on the 6100E and 6115E.



Wide transmission portfolio

With a choice of 5 wet clutch transmissions, there's bound to be one that suits your needs. Between PowrReverse™ and SyncShuttle™ a range of gear options are available with speeds up to a maximum of 40 km/h.

Engines

	6100E	6115E	6130E
Engine power, kW (hp)	72.7 (98.9)	87.0 (118.4)	95.4 (129.8)
Cylinders	4	4	4
PTO power, kW (hp)	61.1 (82.0)	70.8 (95.0)	78.3 (105.0)



Operator station

Both open station and cab tractors are available in the 6E. Upgrade your open station with a deluxe canopy or choose a fully isolated cab tractor for quieter, climate-controlled environment.

Autotrac universal ready

Save time and money by equipping the 6E with an Autotrac automatic guidance system. Eliminate overpass, improve fuel economy and achieve greater efficiency when applying chemicals, fertilisers, seed and other inputs.

Lighting upgrade

For better visibility when working around the clock, an LED lighting upgrade is available on all models.





SCV versatility

With up to 3 rear and 2 mid SCVs, the 6E can handle a range of activities and functions. Two standard rear SCVs come as base and a third deluxe SCV is an orderable option. The deluxe SCV has three detents: pressure limit kick-out, spring center, and continuous detent.



Dual rear PTO

Quick and easy to engage and disengage, the 6E's 540 / 1000 rpm PTO can match up efficiently to any requirement. The cab mounted Electro-Hydraulic PTO switch provides fingertip control of PTO engagement and disengagement.

Powertech™ performance

The 6E's Powertech E engine is designed for performance, long life and low maintenance, providing the operator with excellent torque and durability.

H240 Loader

The H240 front loader is the best partner for the 5E series. Built for performance and durability, designed for more visibility and control; ensuring your tractor will operate at maximum efficiency when used with the front loader.

Easy connect / disconnect

Only three quick steps are required to safely connect or disconnect the front loader on tractors with multi-couplers.

True integration

You can depend on true loader / tractor integration to give you the added strength and reliability you need, year after year, for increased productivity.

Great for loader work

The 5E tractors feature heavy-duty front axles, a tight turning radius, rapid forward and reverse shuttling with the PowrReverser™ transmission, and excellent all-round visibility.

Mechanical self-levelling (MSL)

Reduce operator fatigue and actual cycle times with MSL. MSL maintains the bucket in a level position when raising or lowering the boom. A non self-levelling option is available to New Zealand customers.



H310 Loader

When your loader matches your tractor, you've got a big win in the productivity column. And that's exactly what you'll get with the H310 Loader and the John Deere 6E. Versatility is the name of the game here. Go from moving bales to stacking pallets. Move several tons of gravel, then get on to the next chore. There's nothing here to slow you down.

Concealed and safe

Concealed oil lines, routed through the boom arm and torque tube, protect the hydraulic system.

Loader prepared

The two-function or three-function mid-mount valve with mechanical joystick is available as factory installed on cab and open operator station 6E tractors.



Quick cycle times

False rod bucket cylinders require a smaller displacement of oil on the head end of the cylinder allowing the cylinder to dump significantly faster than a normal cylinder. The result? Faster bucket dumping cycle times.



Precision Agriculture

GEN 4 4240 Universal display

The 4240 display is a portable, easy to use display that's weather-resistant*, bringing more technology to applications that require an open station. It's AutoTrac™ and section control-capable and fully ISOBUS AEF certified allowing seamless connection with compatible implements.

Documentation and variable rate application come standard. With JDLink™ Connectivity enabled the display also supports Remote Display Access™ (RDA) and Data Sync with the John Deere Operations Center; allowing managers to connect with the display and view information from anywhere**.



AutoTrac Universal 300

The AutoTrac Universal 300 (ATU 300) unit provides a proven, automated steering solution to more than 600 different machines. The ATU 300 unit can be easily transferred from machine to machine in less than 30 minutes. It's not only easy to install and use, it's also extremely robust, reliable and now even approved for open operator station tractors. The ATU 300 enables automated steering down to 0.5 km/h, slower than other universal systems.



JDLink™ Connectivity

JDLink enables you to stay in constant connection with your equipment keeping you up to date with machine location and hours. Protect assets with geofence and curfew alerts, and keep your equipment running with maintenance tracking, preventative maintenance plans, and Remote Display Access.

JDLink connectivity also enables more advanced functionality such as remotely sending and receiving prescriptions and documentation files to operators in the field.



ONE GLANCE

Instantly know what's been done and what needs doing. Information is powerful.

* Weather resistant to IP65 rating.

** Remote connection requires JDLink modem, JDLink connectivity enabled and adequate cell coverage.



Specifications

MODELS	5050E	5055E	5065E	5075E
ENGINE				
Type	PowerTech™ M	PowerTech™ M	PowerTech™ M	PowerTech™ M
Cylinders	3	3	3	3
Displacement, L	2.9	2.9	2.9	2.9
Aspiration	Turbocharged	Turbocharged and intercooled	Turbocharged and intercooled	Turbocharged and intercooled
Fuel tank capacity cab, L	n/a	82	82	82
Fuel tank capacity open station, L	68	68	68	68
Emissions level	Tier 3	Tier 3	Tier 3	Tier 3
PERFORMANCE				
Rated power (97/68/ECC), kW (hp)	37.2 (49.6)	41.0 (55.0)	48.5 (65.0)	55.9 (75.0)
Rated speed, rpm	2,400	2,400	2,400	2,400
Max. torque, Nm	188	214	237	265
Max. torque @ engine speed, rpm	1,600	1,300	1,500	1,500
PTO power cab, kW (hp)*	n/a	28.3 (38.0)	31.4 (42.0)	41.5 (55.7)
PTO power OOS, kW (hp)	31.3 (42.6)	31.7 (42.5)	34.3 (46.0)	44.4 (59.5)
TRANSMISSION				
Type	9F / 3R top shaft synchronised (TSS)	12F / 12R PowrReverser (PR), 9F / 3R TSS	12F / 12R PR, 9F / 3R TSS	12F / 12R PR, 9F / 3R TSS
Clutch (base / optional)	Duel dry	Wet / Duel dry	Wet / Duel dry	Wet / Duel dry
Max. transport speed [†] , km/h	30.0	32.8	32.8	32.8
Brake type	Wet disk	Wet disk	Wet disk	Wet disk
PTO				
Standard	540 / 540E	540 / 540E	540 / 540E	540 / 540E
HYDRAULICS				
Type	Open centre	Open centre	Open centre	Open centre
Pump rated output:				
Steering, L/min	25.7	25.7	25.7	25.7
Implement, L/min	43.1	43.1	43.1	43.1
Total, L/min	68.8	68.8	68.8	68.8
Hitch category	II	I, II	I, II	I, II
Hitch lift capacity max. 610 mm behind, kg	1,450	1,448	1,448	1,448
SCV mid (base / optional)	0 / 2	0 / 2	0 / 2	0 / 2
SCV rear (base / optional)	1 / -	1 / 2	1 / 2	1 / 2
OPERATOR STATION				
Model availability	Open station	Open station / cab	Open station / cab	Open station / cab
DIMENSIONS†				
Axle availability	2WD	2WD / MFWD	MFWD	MFWD
Wheelbase, mm	2,050	2,050	2,050	2,050
Overall width (Cab / OOS), mm	1,850 / -	1,842 / 1,905	1,882 / 1,905	1,882 / 1,905
Length (Cab / OOS) including draft links, mm	- / 3,535	3,500 / 3,556	3,500 / 3,556	3,500 / 3,556
Ground clearance of front axle, mm	435	404	452	452
Total height cab, mm	n/a	2,716	2,716	2,716
Total height OOS, mm	2,350 / -	2,485	2,485	2,485
Turning radius without brakes, mm**	3,630	4,650	4,650	4,650
Weight cab, kg	n/a	3,000	3,000	3,000
Weight OOS, kg	2,100	2,745	2,745	2,745

*With 12x12 PR transmission

[†]Maximum speed dependant on factors such as tyre and transmission selection

**Radius will vary depending on tyre, axle and ground conditions.

[†] Measured with MFWD axle where applicable

5083E	5093E	6100E	6115E	6130E
PowerTech™ M	PowerTech™ M	PowerTech™ E	PowerTech™ E	PowerTech™ E
4	4	4	4	4
4.5	4.5	4.5	4.5	4.5
Turbocharged and intercooled	Turbocharged and intercooled	Turbocharged and intercooled	Turbocharged and intercooled	Turbocharged and intercooled
126	126	156	156	156
126	126	156	156	156
Tier 3	Tier 3	Tier 3	Tier 3	Tier 3
61.1 (82.0)	68.6 (92.0)	72.7 (98.9)	87.0 (118.4)	95.4 (129.8)
2,400	2,400	2,100	2,100	2,100
315	355	414	483	525
1,400	1,400	1,500	1,600	1,600
50.7 (68.0)	58.9 (79)	61.1 (82.0)	70.8 (95.0)	78.3 (105.0)
50.7 (68.0)	58.9 (79)	61.1 (82.0)	70.8 (95.0)	78.3 (105.0)
12F / 12R PR	12F / 12R PR	12F / 4R TSS 30 km/h, 24F / 8R TSS Hi / Lo 30 km/h, 12F / 12R PR 30 km/h, 24F / 12R PR 30 km/h, 24F / 12R PR 40 km/h		
Wet	Wet	Wet	Wet	Wet
35.1	35.1	40	40	40
Wet disk	Wet disk	Wet disk	Wet disk	Wet disk
540 / 540E	540 / 540E	540 / 1000	540 / 1000	540 / 1000
Open centre	Open centre	Open centre	Open centre	Open centre
24.9	24.9	28.5	28.5	28.5
60.2	60.2	72.3	72.3	72.3
85.1	85.1	100.8	100.8	100.8
I, II	I, II	II	II	II
1,530	1,530	3,420	3,420	3,420
0 / 2	0 / 2	0 / 2	0 / 3	0 / 3
2 / -	2 / -	2 / 3	2 / 3	2 / 3
Open station / cab	Open station / cab	Open station / cab	Open station / cab	Open station / cab
MFWD	MFWD	2WD / MFWD	2WD / MFWD	MFWD
2,180	2,180	2,420	2,420	2,420
2,296	2,296	2,078	2,078	2,078
3,797 / 3,797	3,797 / 3,797	4,607 / 4,607	4,607 / 4,607	4,607 / 4,607
432	432	511	511	511
2,584	2,584	2,822	2,822	2,822
2,608	2,608	2,905	2,880 / 2,905	2,905
4,359	4,359	4,900	4,900	4,900
3,234	3,234	4,230 / 4,520	4,230 / 4,520	4,520
2,910	2,910	3,950 / 4,112	3,950 / 4,112	4,112



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