

5E Utility Tractors

45 – 100 Horsepower Utility Tractors



Born to Work



Heat, dust, sweat, cold, rain, mud;

it's all part of the John Deere story. Part of a long, rich history of working the land. It's a teacher. And everything we've learned has made each generation of John Deere equipment better than the last. Made it run stronger, smarter, and longer. It's all part of a legacy. A 175-year story told by early mornings, long days, and an enduring commitment to building quality tools ... that were born to work.

Introducing the newest generation of rugged, reliable utility tractors – the John Deere 5E Series – with the options, the power, and the versatility to take on the toughest chores on your property or operation. Read on to learn more, then stop by your John Deere dealer for a demonstration.





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The 5E Series

MODEL	ENGINE HP	PTO HP*
5045E	48	36.6
5055E	57	38.9
5065E	65	48.3
5075E	75	57.6
5085E	85	70
5100E	100	85

*5045E, 5055E, 5065E, 5075E PTO horsepower at rated speed Cab with 9F/3R SyncShuttle™ Transmission. 5085E and 5100E PTO horsepower at rated speed with 12F/12R PowrReverser™ Transmission

The 5E Series **Born to work**

Meet the 5E Series by John Deere ... the only utility tractor truly born to take on tough tasks and keep coming back for more. With six models, 45–100 horsepower, open station and cab options, and Final Tier 4 compliant.

The 5E series in total now has 3 transmission options, 9F/3R SyncShuttle™ and 12F/12R PowrReverser™ in the 5E 3 cylinder machines, and 12F/12R and 24F/12R PowrReverser transmission in the 5E 4 cylinder machines.

Now you can have the rock-solid performance and versatility you expect in a John Deere – all at a price you might not.



Born to work... and work... and work

Versatile. Powerful. Custom fit.

For lifting and loader work, rotary cutting, snow removal — even in hostile weather conditions — from property owners to weekend warriors ... conquer it all with the John Deere 5E Series.

If you thought you knew the 5E Series, take another look. You'll find new standard features and options that combine to create a full lineup of mid-spec machines that truly sits in a class of its own.

With 9F/3R SyncShuttle and 12F/12R PowrReverser available on 45-75 horsepower models and a 12F/12R PowrReverser and 24F/12R PowrReverser transmission available on 85 and 100 horsepower models you'll have all the power you need to take on the toughest tasks.

The comfortable open station configuration comes standard, or opt for the climate-controlled cab. No matter how you configure the new 5E Series, impressive can-do comes built right in.

Explore the new 5E Series and discover for yourself exactly what it means to be born to work.



Born to work. On your property. Within your budget.

45–75 horsepower 5E Series

Trying to find the perfect fit for your property or operation? It's as easy as climbing in to the seat of the 45 to 75 horsepower 5E Series. You want options? You've found them. You can choose 2WD or MFWD. An open station, or a climate-controlled cab (55 - 75 hp models). The 9F/3R SyncShuttle™ Transmission or the 12F/12R PowrReverser™ (55 - 75 hp models). Why so many options? Because a job well done starts with the right tools. And with the 5E Series, it's easier than ever to customize your machine to fit your needs, AND your budget.

Handle rotary cutting chores, tackle loader work like moving gravel or dirt, or choose one of hundreds of compatible implements and attachments like post-hole augers, rear blades, box blades, wood chippers, or land planes, and get to work. Your property will thank you.

Capable without compromise ... That's what the 5E Series is all about.



Choose the climate-controlled cab option (not available on 5045E) and work in comfort all year long. Ergonomic seat and easy-to-reach pedals, levers and joystick leave you relaxed and in control, even after hours of operating. While new integrated 12V charger keeps your devices running all day long.



Born to work **stronger**



85–100 horsepower 5E Series

Step up to the 85 to 100 horsepower 5E Series and you're getting a tractor with serious muscle and capability. These rugged machines can handle just about anything on your farm or your property; from heavy-duty loader work, to hay-making, to property maintenance chores, rotary tilling, and everything in between. We now offer more versatile speed selection with the 24F/12R PowerReverser™ transmission which allows you to shift from hi to lo with the ease of buttons. Plus, you'll get the choice of our comfortable open operator station, or the cab configuration for year-round productivity.



Get a clearer view of the task at hand with the exhaust stack now located behind the cornerpost of the cab (available on 55–100 hp models with cab). Plus, the 85-100 horsepower 5E models boast an improved control layout, access to SCV levers and generous console storage space.

Born to work **stronger**

Powerful engineering... from the inside out.

At the heart of every 5E Series tractor you'll find a powerful yet efficient John Deere PowerTech™ turbocharged diesel engine. The 3-cylinder or 4-cylinder engine (depending on choice of horsepower) both feature a wet sleeve design for better heat dissipation and a standard rated operating speed of just 2100 RPM for an engine that produces reduced noise, vibration and wear and tear over the long run. And with up to 100 available horsepower, the 5E Series can tackle just about anything on your chore list.

Choose the 45–75 horsepower 5E Series for a simple Final Tier 4 single fluid solution. No extra fuel additives, and no need to “arm” a regeneration system. That means you can run your tractor just like you always have and know it's working more efficiently than ever ... and with compliant emissions reduction.



Early mornings? Late evenings? No problem ... Extra bright halogen headlights and rear work lights come standard on both open station and cab models.



The one-piece tilting hood allows easy access to service items like the air filter, engine oil checks, and more. Plus, ground-level fluid fills make regular maintenance a snap.

Born to work **under pressure**



Load more. Lift more. Do more.

When it comes to hydraulic power and capacity, it's hard to beat the 5E Series. With a rear hitch lift capacity of over 3,200 pounds, lifting and transporting those heavier implements – like rotary tillers and heavy seeders – just became a non-issue. The standard 3-point-hitch allows you to hook up to any Category 1 (with conversion kit) or Category 2 hitch standard-mounted implement. Plus, mid-mount hydraulic remotes allow for easy loader mounting.

Around front, add a John Deere loader for up to 3,548 pounds (1,610 kg) lift capacity* Quik-Park™ capability and self-leveling options. Partner a John Deere loader with a PowrReverser™ Transmission to transform your 5E Series (4-cylinder only) into a lean, green, loading and lifting machine. And now with the factory installed loader prep package option and stackable mid SCVs, you'll be saving lots of time and money.



Quik-Park loaders attach and detach in just a few minutes, with no tools

With standard high-capacity hydraulics, you can sit back and let your new 5E Series handle the heavy lifting.

*Lift capacity for H240 NSL Loader at full height on 5100E tractor.

Born to work **smarter**

Intelligent efficiency.

The new John Deere 5E Series – our most advanced 5E utility tractors ever. What makes the new 5E Series so advanced? First, you get the option a 24F/12R PowrReverser™ Transmission on 4-cylinder models (12/12 is standard on 5085E and 5100E). No-stop, in-line, forward/reverse shifting makes short work of loading, blading, or any chore with frequent directional changes — while 12 forward and 12 reverse speeds allow you the freedom to find just the right gear for the job. Or go with the standard 9F/3R SyncShuttle™ Transmission* (3-cylinder only) for proven-reliable performance in any application.

The standard, fully-independent 540 RPM PTO gives you power for all rotary and PTO-driven implements and has been updated with an electrohydraulic actuator for smoother PTO activation. Plus, PowrReverser-equipped tractors benefit from a 540 Economy PTO mode, allowing you to operate with full PTO speeds at reduced engine rpm – saving fuel, lowering engine noise and reducing vibration. For operator convenience, we've relocated the EPTO lever to just behind the seat, well within reach of the seated operator.

No matter which options you choose, heavy-duty components and moving parts designed for high-hour usage translate to unmatched performance and long-term reliability. And that makes the 5E Series a smart investment any way you slice it.



*9F/3R only on 45–75 HP models

1. 5085E Tractor shown with H240 Loader and 3rd Function Grapple Bucket. 2. 5075E Tractor shown with Canopy and Frontier RC2072 Rotary Cutter. 3. 5100E Tractor shown with H240 Loader and 681 Rotary Tiller. 4. 5075E Tractor shown with Frontier Box Blade BB4172H

Born to work **anywhere**

Making the best even better.

The new 5085E and 5100E machines have a great new set of features that will help you get more done in less time.

The new sloping hood, deluxe standard cornerpost exhaust, and raised operator platform on cab models give you up to 3.6 feet of extra visibility in front of the tractor. Better sight-lines mean higher operator efficiency and comfort when performing many repetitive tasks with a loader.

With the new LCD instrument cluster, you can see ground speed, PTO speed, and engine hours all at the same time. In addition, you can now view important indicators such as PTO target bar, PowrReverser™ position, hi-lo indicator, and warning lights.

The new slide-out condenser (cab models only), radiator screen, tilt-able charge air cooler, and slide-out oil cooler allow you to quickly access the cooling system components to clean debris—with no tools. If it's easy to clean, it will get cleaned, so you'll never have to worry about an over-heated engine in tough conditions.

Finally, attaching rear implements to the 3-point hitch is now easier than ever. With the new standard sway bars and telescoping draft links, no tools are required to attach or detach implements. That's going to be appreciated when hooking up heavy implements that can match the rear hitch lift capacity of over 3,200 pounds.



1. New sloping hood on 5E 4 cylinder. 2. New LCD instrument cluster. 3. New standard sway bars and telescoping draft links. 4. New slide out condenser, radiator screen, tilt-able charge air cooler, and slide out condenser on 4 cylinder cab models.

Frontier makes the perfect match

From posthole diggers to food plot seeders to rotary cutters to land levelers, John Deere and Frontier Equipment offer a wide variety of front and rear attachments designed specifically for tractors like the 5E Series. Your John Deere dealer is the exclusive source for the full line of Frontier implements and attachments.

See your John Deere dealer, or visit us online to find out more about our complete line of attachments, including:

Grooming mowers
Box blades
Rotary tillers
Overseeders
Disk harrows
Rotary rakes
Sickle bar mowers
Pulverizers

Posthole diggers
Manure spreaders
Wheel rakes
Disc mowers
Rear blades
Core aerators
Pendular spreaders
Offset disks

Tedders
Wood chippers
Snowblowers
Bale huggers
Arena rakes
Bale spears
Food plot seeders
Land planes

Visit us online at www.BuyFrontier.com
or www.BuyFrontier.ca to get specs
and availability information.



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NEW John Deere loaders: Built Tough.

If you're looking for greater lift heights, higher capacity, user-friendly parking and attaching, look to the all-new John Deere H Series Loaders. Built to handle the demands of livestock and dairy producers, commercial and construction operators, or anyone with big-time material-handling chores, the H Series offers more cast-steel components for improved durability and capacity, a lower torque tube for better visibility, and concealed oil lines for a cleaner appearance and less risk of damage.

For owners and operators with less-demanding loader tasks, the 512 Loader offers field-proven performance across a wide range of material-handling applications. Your John Deere dealer can help you choose the right loader for your operation.



Loader (Non-Self-Leveling, Mechanical Self-Leveling)	512 NSL	H240NSL	H240MSL	H260 NSL
Lift capacity at full height, at pivot	2453 lb. (1115 kg)	3671 lb. (1665 kg)	2698 lb. (1224 kg)	3879 lb. (1763 kg)
Lift capacity at full height, 800 mm ahead of pivot	1538 lb. (697 kg)	2361 lb. (1071 kg)	3115 lb. (1413 kg)	2666 lb. (1212 kg)
Lift capacity @ 59 in. (1.5 m) lift height, at pivot	3295 lb. (1494 kg)	4023 lb. (1825 kg)	3591 lb. (1629 kg)	5108 lb. (2322 kg)
Lift capacity @ 59 in. (1.5 m) lift height, 800 mm ahead of pivot	2350 lb. (1066 kg)	2970 lb. (1347 kg)	3470 lb. (1574 kg)	3896 lb. (1771 kg)
Boom breakout force, at pivot	4781 lb. (2169 kg)	4504 lb. (2043 kg)	4636 lb. (2104 kg)	6521 lb. (2964 kg)
Boom breakout force, 800 mm ahead of pivot	3172 lb. (1439 kg)	3102 lb. (1407 kg)	3924 lb. (1780 kg)	4756 lb. (2162 kg)
Maximum lift height	113 in. (2887 mm)	131 in. (3336 mm)	131 in. (3336 mm)	137 in. (3482 mm)
Clearance with bucket dumped	84 in. (2142.8 mm)	98 in. (2484 mm)	124 in. (2484 mm)	96 in. (2444 mm)
Reach at max height	24.5 in. (624 mm)	36 in. (921 mm)	36 in. (922 mm)	41 in. (1048 mm)
Reach at ground level	71.8 in. (1824 mm)	85 in. (2153 mm)	85 in. (2155 mm)	101 in. (2567 mm)
Digging depth	4 in. (108 mm)	3.2 in. (82 mm)	3.1 in. (79 mm)	6 in. (142 mm)
Dump angle @ full height	52.7 degrees	59 degrees	59 degrees	73 degrees
Rollback angle @ ground	29 degrees	46 degrees	46 degrees	45 degrees

512 specifications as installed on 5E; capacities measured with 73 in. Materials bucket (351 lb.); H240 specifications as installed on 5E 3-cylinder; capacities measured with 73 in. GP bucket (392 lb.); H260 specifications as installed on 5101E; capacities measured with 73 in. Materials bucket (502 lb.)



Add More

Add more comfort, convenience, security, productivity...



Auxiliary work light kit

Increase productivity with our auxiliary work light kit. The round halogen lights mount to the roof of your cab, providing a great source of extra lighting for the front or rear (or both) of your tractor. Includes all hardware and components.



Air-ride suspension seat

Ride more comfortably over the longest roads and roughest terrain with an air seat suspension kit. The vertical and horizontal seat suspension lets you work longer hours with minimal operator fatigue. Armrest included. See your John Deere dealer for more details.



Power beyond adaptor kit

Provide live hydraulic power to implements that have an open-center control valve. This kit is required for installing a backhoe on your tractor. See your John Deere dealer for more details.



Dual rear SCV kit with lever controls

Attach a wider range of implements than ever before with our dual rear selective control valve (SCV) kit. Easy lever controls are included for your convenience.

5 Series Utility Tractors | Specifications

Tractor Series	5045E	5055E	5065E	5075E	5085E	5100E
Engine HP (kW) @ Rated Speed*	48 (35.5) @ 2100	57 (42.0) @ 2100	65 (48) @ 2100	75 (55.0) @ 2100	85 (62.5) @ 2400	100 (74.6) @ 2400
PTO HP (kW) @ Rtd RPM	36.6 (27.3) @ 2100	38.9 (29) @ 2100	48.3 (36) @ 2100	57.6 (43) @ 2100	70 (52.2) @ 2400	85 (63.4) @ 2400
Engine						
Make	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 3029	John Deere PowerTech 4045	John Deere PowerTech 4045
Aspiration	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged	Turbocharged
Cylinders	3	3	3	3	4	4
Displacement, cu. in. (liters)	179 (2.9)	179 (2.9)	179 (2.9)	179 (2.9)	276 (4.5)	276 (4.5)
Cylinder Liners	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved	Wet Sleeved
Transmission						
Standard	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	9F/3R SyncShuttle	12F/12R PowrReverser	12F/12R PowrReverser
Optional	---	12F/12R PowrReverser	12F/12R PowrReverser	12F/12R PowrReverser	24F/12R PowrReverser	24F/12R PowrReverser
Reverser	No	No	No	No	Yes	Yes
On-the-Go Shifting (Yes/No/Partial)	Partial	Partial	Partial	Partial	Partial	Partial
Traction Clutch - Standard/Option	Dry	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Dry/Wet (12F/12R PowrReverser)	Wet	Wet
Fuel System						
Fuel Tank OOS - Gal. (L)	18.0 (68.0)	18.0 (68.0)	18.0 (68.0)	18.0 (68.0)	30 (114)	30 (114)
Fuel Tank Cab - Gal. (L)	---	21.6 (82)	21.6 (82)	21.6 (82)	30 (114)	30 (114)
Power Take-Off (PTO)						
Standard	Independent 540	Independent 540	Independent 540	Independent 540	Independent 540/540E	Independent 540/540E
Optional (PR)	---	Independent 540/540E	Independent 540/540E	Independent 540/540E	---	---
PTO Actuation - Standard/Optn	Mechanical	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Mechanical/Electrohydraulic	Electrohydraulic	Electrohydraulic
Economy PTO	No	Yes	Yes	Yes	Yes	Yes
Hydraulics						
Type	Open Center	Open Center	Open Center	Open Center	Open Center	Open Center
Steering gpm (L/min)	6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.8 (25.7)	6.6 (24.9)	6.6 (24.9)
Implement gpm(L/min)	11.4 (43.1)	11.4 (43.1)	11.4 (43.1)	11.4 (43.1)	15.9 (60.1)	15.9 (60.1)
Total	18.2 (68.8)	18.2 (68.8)	18.2 (68.8)	18.2 (68.8)	22.5 (85.1)	22.5 (85.1)
Rear SCVs						
Base	1	1	1	1	2	2
Optional	2	2	2	2	0, 3	0, 3
Mid SCVs						
Base	0	0	0	0	0	0
Optional	2	2	2	2	2, 3	2, 3
3-Point Hitch						
OECD Hitch Lift Cap @ 24 in. behind hitch balls lb. (kg)	3,192 (1,448)	3,192 (1,448)	3,192 (1,448)	3,192 (1,448)	3,213 (1,457)	3,213 (1,457)
Hitch Category	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2 (convertible to 1)	Category 2	Category 2
Draft Sensing Type	Top Link	Top Link	Top Link	Top Link	Top Link	Top Link
Operator Station						
Type - Standard/Option	Open Station	Open Station/Cab	Open Station/Cab	Open Station/Cab	Open Station/Cab	Open Station/Cab

*97/68 EC gross engine horsepower.

Tractor Series	5045E	5055E	5065E	5075E	5085E	5100E
2WD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	---	---
Overall length (minimum)	137.8 in.	137.8 in.	137.8 in.	137.8 in.	---	---
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	---	---
MFWD Dimensions						
Wheelbase, in. (mm)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	80.7 (2,050)	92.5 (2350)	92.5 (2350)
Overall length (minimum)*	137.8 in.	137.8 in.	137.8 in.	137.8 in.	159.13 in.	159.13 in.
Overall width, rear axle b/w flanges	57.3 in.	57.3 in.	57.3 in.	57.3 in.	57.2 in.	57.2 in.
Height from ground						
To top of hood	63.5 in.	64.8 in.	66.2 in.	66.9 in.	70.6 in.	70.6 in.
To top of ROPS	94.4 in.	96.4 in.	98.4 in.	98.4 in.	101.1 in.	101.1 in.
To top of folded ROPS	75.8 in.	77.1 in.	78.5 in.	78.5 in.	79.6 in.	79.6 in.
To top of Cab	---	94.3 in.	95.6 in.	97 in.	102.4 in.	102.4 in.
Front Axle Clearance 2WD in. (mm),	18.8 (480)	18.8 (480)	18.8 (480)	18.8 (480)	---	---
Front Axle Clearance MFWD OOS in. (mm),	13.4 (340)	13.4 (340)	13.4 (340)	13.4 (340)	17.0 (432)	17.0 (432)
Front Axle Clearance MFWD Cab in. (mm)	---	13.4 (340)	13.4 (340)	13.4 (340)	15.2 (386)	15.2 (386)
Standard Tires – 2WD						
Front	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	7.5 - 16; F2	---	---
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	---	---
Standard Tires – MFWD						
Front	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	9.5 - 24; R1	12.4-24; R1	12.4 - 24; R1
Rear	13.6 - 28; R1	14.9 - 28; R1	16.9 - 28; R1	16.9 - 28; R1	18.4-30; R1	18.4 - 30; R1
Weight						
Approx Weight, lb (kg), 2WD	4,414 (2,002)	4,524 (2,052)	4,634 (2,102)	4,634 (2,102)	---	---
Approx Weight, lb (kg), MFWD OOS	5,401 (2,450)	5,511 (2,500)	5,621 (2,550)	5,732 (2,600)	7,275 (3,300)	7,275 (3,300)
Approx Weight, lb (kg) MFWD Cab	---	7,054 (3,200)	7,165 (3,250)	7,275 (3,300)	8,150 (3,700)	8,150 (3,700)
Turn Radius**						
With brakes	10.2 ft.	10.2 ft.	10.2 ft.	10.2 ft.	11.6 ft.	11.6 ft.
Without brakes	11.5 ft.	11.5 ft.	11.5 ft.	11.5 ft.	14.3 ft.	14.3 ft.

*Front weight support extends past the front wheels. **With 4-wheel drive disengaged, where applicable.



Get peace of mind with PowerGard™

Protect your investment and increase your confidence in purchasing a high-quality John Deere tractor through John Deere PowerGard™ Programs.

The PowerGard™ Maintenance Program is an effective, preventative maintenance program designed to make sure your tractor operates at peak performance, offers exceptional reliability and maintains top residual value.

*PowerGard Protection Plan extended warranty covers failures due to defective materials or original workmanship of covered components for up to 3 years or 3,000 hours (whichever comes first). Customers have a choice between either the Limited (engine & powertrain) coverage form or the Comprehensive (full-machine) coverage form. See your dealer or www.deere.com (<http://www.deere.com/>) for details

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From sunrise to sunset, you stretch to meet the challenges of your work. As you do, you can depend on John Deere Financial for flexible financing.* We know the landscape you work in. And, with a relationship rooted in understanding and trust, we're committed to meeting your unique needs.

Day in and day out we're here for you.

*Subject to John Deere Financial approval and dealer participation. See dealer for details.



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