

# 5E SERIES

MORE TRACTOR, MORE COMFORT



**JOHN DEERE**

NOTHING RUNS LIKE A DEERE





## MORE TRACTOR, MORE COMFORT

Get it all done and enjoy doing it. We have given the new 5E Series tractors productivity and comfort features that will have you checking off your tasks efficiently, effectively and in more comfort than ever.

The ultra-maneuvrable compact 5E will go anywhere you need it to work, and has enough power to get your heavy lifting done as well. We've built in uncompromising visibility and made operating the 5E convenient and effortless. Let us show you how features like EQRL and the new transmission come together in a tractor that's a joy to drive and takes care of business.

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# THE ESSENTIAL QUESTIONS

## OVERVIEW

When you buy a tractor, you have some detailed questions. When we designed the 5E, we started with those very same questions. It's why we have your answers.

### 1 | COMFORT

Comfort enhancers include optional HVAC, and a passenger seat. New 15% larger air suspended seat in base. Plus a 50% reduced transmission tunnel for more room.

### 3 | E-CONTROLS

Stay productive with electro-hydraulic MFWD, convenient E-Hand throttle and time saving EQRL. Electro-hydraulic PTO in base. With EH Hi-Lo and a new all-digital display.

### 5 | MANOEUVRABLE

Compact, with the same short 2.05 m wheelbase, same reduced 3.94 m turning radius, and high 55° steering angle.

### 2 | CONVENIENCE

Brand new right hand console with 2 new SCV levers. New versatile 24F/12R transmission with PowrReverser.

### 4 | COMPACT

Weighs in at a low 3.3 t, fits everywhere at a low overall height of 2.4 m, and just 3.6 m in length.

### 6 | VISIBILITY

New low hood design for enhanced front visibility. New A-post exhaust for an uncluttered view. Windshield wipers recessed into cowling. Up to 8 work lights.



## 7 | PERFORMANCE

New Stage III B PowerTech E John Deere Engine with electronic injection and Diesel Only technology. Reduced rated speed of 2,100 rpm, and E-PTO Speed of 1,600 rpm.

## 8 | VERSATILITY

Great in the field with 2SCVs and Hi-Lo smooth speed adjustments. Speedy and safe transport at up to 40 km/h, with hydraulic trailer brake. PowrReverser, powerful hydraulics – easy to drive.

## 9 | LOADER-READY

Every 5E can be delivered H240 loader-ready. GSS (Gear Shift Switch) and a 3rd function diverter are available.

## 10 | RELIABILITY

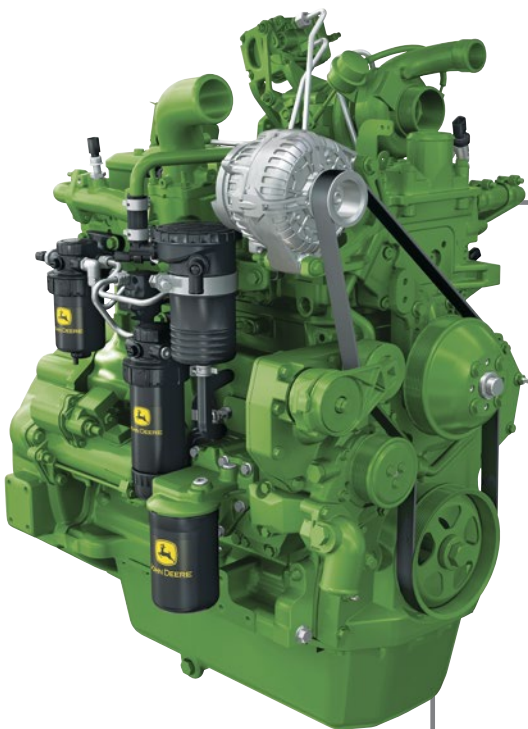
Maximum uptime built in, with components sized and designed for 100 hp tractors.



### 5E MODELS (RATED POWER 97/68EC)

5058E	44.4 kW (58 hp)	3-cyl.
5067E	50.4 kW (67 hp)	3-cyl.
5075E	55 kW (75 hp)	3-cyl.

No additives required. By combining cooled Exhaust Gas Recirculation (EGR) technology with an intercooler and Diesel Particle Filter (DPF), Stage III B emissions standards are met without the need for any additives.



### POWERFUL OPTIONS

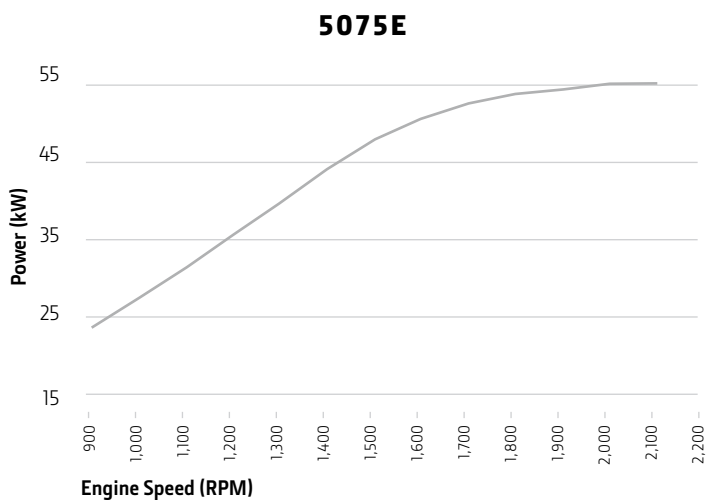
Depending on the power requirements of the jobs that are most common in your operation, you can choose from a range of 3cyl. engines from 58 to 75 hp.



# POWERFUL ECONOMY

## ENGINES

At the heart of the 5E is a turbocharged 2.9 l John Deere engine that was specifically developed to master the variety of tough chores you will put your 5E through – all year round. The Diesel only engine combines common rail high pressure fuel injection with electronic control, for a low rated engine RPM of 2,100 that keeps fuel consumption in check, produces powerful torque, and meets Stage III B emission regulations.



## INSTANT TORQUE

The power you need, when you need it. The engine features superior elasticity and responsiveness, with maximum torque across the rpm band.



Go extra slow and steady when you need to. The creeper gear option lets you work at speeds as low as 280 m/h.

## WORKS THE WAY YOU DO

### TRANSMISSIONS



Manoeuvring in tight spaces or doing front loader work requires constant forward and reverse shifting. It can almost feel like physical labour sometimes.

Let the PowrReverser transmission help you take the pain out of repetitive motion and enjoy no-stop, in-line, forward/reverse shifting. Choose from two gearbox options with speeds for any application – the 12/12 or 24/12 PowrReverser transmission. And finally, work more precisely and thoroughly by using the modulation control kit to adjust the speed of the transmission to ground conditions and type of job.





**40 km/h**

There's always stuff to haul. Meet the new 24F/12R PowrReverser transmission for a top speed of 40 km/h.

**SAFE PARKING**

The park lock function makes sure your tractor stays put safely when parking on steep slopes.



**CLUTCHLESS, EFFORTLESS**

Frequent direction changes in front loader work, become a cinch with the electro-hydraulic reverse lever – no clutching required.



**SMOOTH SPEED CHANGES**

High and low buttons are used to make fine speed adjustments without the need to use the clutch.

# FULL SIZE, FULL VIEW

## COMFORT/CAB

The 5E may be compact, but that doesn't mean your workspace should be. Get in and get things done comfortably, in the same size of cab the bigger 5M and 5R series offer – with lots of glass all around. Controls and instruments laid out for effective operation. A/C is optional. So is the air suspended seat. The entire cab is built to keep you productive.



## ESSENTIAL INFORMATION IN A NEW LIGHT

Bright, crisp characters and graphics on a deep black background, for superb readability of essential information like speed, engine RPM, PTO RPM and more.

For environments where headroom is at a premium, the 5E is also available with an open station. For extremely low clearances, even the rollover protection bar folds down.





## PERFECT HEADLAND TURNS

The premium class comfort of the right-hand console, the intelligent grouping of controls for the electro-hydraulic PTO, MFWD and the electronic hand throttle give you a shot at the perfect headland turn every time.

- 1 | E-Hand throttle
- 2 | EH MFWD
- 3 | Rear hitch
- 4 | EH PTO
- 5 | EQRL (Electric Quick Raise and Lowering)





The cab-mounted Electro-Hydraulic PTO switch provides fingertip control of PTO engagement and disengagement.



Great for headland turns, Electric Quick Raise & Lower (EQRL) lets you effortlessly control attached implements on the go with a cab mounted switch.

For your comfort and convenience, the two optional SCVs can be easily controlled by two levers on the right-hand console.





# BUILT FOR MORE

## HYDRAULICS, HITCHES, PTO

Any season, any job, all your challenges. The open centre hydraulic system with 2 pumps provides a flow of 66 l/min, and is legendary for its reliable performance. Ex-factory you get two optional SCVs, conveniently controlled from the right-hand console. All 5E series tractors come with our enhanced efficiency 540/540E PTO.



### HYDRAULIC PERFORMANCE

The outstanding hydraulic performance of the 5E series gives you the freedom to tackle a wide variety of jobs with total confidence.

# 100% FRONT LOADER

## FRONT LOADERS

You could very well say that front loader work is the true calling of the 5E. Its short wheelbase makes for an exceptionally tight turning radius, and the PowrReverser lets you manoeuvre back and forth effortlessly, without ever touching the clutch. Every 5E can be fitted with a loader-ready package ex-works.



### JOYSTICK

You can feel the responsive accuracy of the loader control joystick as soon as you touch it. Additional joystick functions can include GSS, diverter valves, MemoSystem and loader suspension.

- 1| Gear Shift Switch
- 2| Loader Suspension ON/OFF
- 3| Activation of diverter
- 4| 3rd function, 4th function – activation of diverter (2+1F)



The H240 front loader is the perfect fit. A reliable, ruggedly constructed, premium loader designed for your 5E. Its geometry is perfectly aligned with the 5E so that loads are always distributed evenly across the frame and the front axle. The 5E is solid as a rock with the H240. Both mechanical self-levelling (MSL) as well as non-levelling (NSL) versions are available.

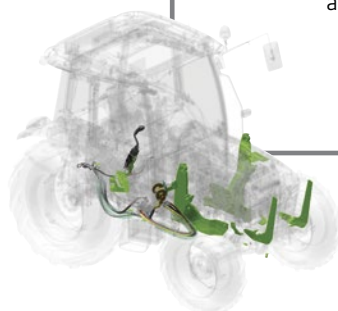
The short wheelbase of the 5E results in an optimised turning radius. It's perfect for efficient front loader work in tight spaces.



Sitting down in the 5E cab, it is striking how your field of vision extends to what is right in front of you. We've taken the hood of the 5E down as low as possible to maximise the front visibility so critical to efficient front loader work.

### **EASY-FIT PACKAGE**

Every 5E can be fitted with a loader-ready package straight from the factory - including mounting frames, hood protection, joystick, and all electrical and hydraulic connections.



# ACCESS IS EVERYTHING

## EASY MAINTENANCE

We've designed the 5E so that maintenance becomes a breeze. Engine air, cab fresh air and recirculation filters can be inspected and changed without tools. You get maintenance free bushings, bearings and drive shafts. And the PowrReverser transmission has a wet clutch for extra-long life, so chances are you won't ever have to touch it.







# EXPERIENCE THE POWERGARD FEELING

## POWERGARD

PowerGard agreements protect you against unexpected repair costs and keep your maintenance on track with genuine parts to make sure your tractor always runs great.

### **POWERGARD MAINTENANCE**

PowerGard Maintenance provides the basic protection of preventative maintenance work. It's essential for keeping equipment in good working order.

### **POWERGARD PROTECTION**

PowerGard Protection provides comprehensive protection for total peace of mind. Two levels of protection are available to meet every need – PowerGard Protection and PowerGard Protection Plus.

Both offers are available for new machines, up to 28 days after the equipment delivery.

## SPECIFICATIONS

	UNIT	5058E	5067E	5075E
<b>ENGINE PERFORMANCE</b>				
Rated Speed	[rpm]		2,100	
Torque Rise	%	22	22	22
Max. torque	[Nm]	247	280	304
Max. torque @ engine speed	[rpm]	1,500	1,500	1,500
97/68EC (without fan)				
Rated power (97/68EC)	[hp] [kW]	60.3 44.4	68.5 50.4	74.7 55
<b>ENGINE SPECIFICATIONS</b>				
Engine Type		John Deere PowerTech E		
Aspiration		Wastegate Turbocharger with intercooler		
Cylinders and displacement		3 / 2.9 L		
Number of Valves Per Cylinder		2		
Fuel Tank Capacity	[l]	82		
Fuel Injection System & Control		Electronically controlled high pressure common rail fuel system		
Engine Control System		Electronic		
After Treatment Type		Diesel Oxidation Catalyst (DOC) and Diesel Particulate Exhaust Filter (DPF)		
Cooling System		Cooling system with Temperature Controlled Viscous Fan Drive (Eco Fan Drive)		
<b>TRANSMISSION OPTIONS &amp; SPECIFICATIONS</b>				
24F / 12R PowrReverser, EH Hi-Lo, 1.46 – 39.75 km/h		X	X	X
12F / 12R PowrReverser, 1.46 – 34.37 km/h		X	X	X
Design MFWD		Mechanical Front Wheel Drive, electrohydraulic engagement		
Differential Lock		Mechanical Diff Lock Engagement		
<b>REAR PTO</b>				
Clutch Type		Multi disc wet clutch		
Control Type		Electrohydraulic engagement		
Shifting Design		In Cab Controls		
540 / 540E		X		
Engine at rated PTO speeds (540/540E rear PTO)	[rpm]	2,084 / 1,588		
<b>STEERING AND BRAKES</b>				
Steering		Open center, hydrostatic, flow metering steering valve		
Primary Brake (Footbrake)		X	X	X
Hand Emergency Brake		X	X	X
Park Brake		X	X	X
MFWD Braking		X	X	X
Dual-Line Hydraulic Trailer Brakes		X	X	X

	UNIT	5058E	5067E	5075E
<b>HYDRAULIC SYSTEM</b>				
System Type		Open Center Hydraulic System		
System pressure – maximum	[bar]	197		
Base pump (Steering & Transmission Control)	[cc]	12		
Base pump – delivery rate per minute at rated speed	[l]	22.7		
Main pump (SCV & Hitch)	[cc]	23.0		
Main pump – delivery rate per minute at rated speed	[l]	43.5		
Maximum No. of SCV's (rear)		2		
Maximum No. of SCV couplers (rear)		4		
<b>3 POINT HITCH</b>				
Category		II		
Control Type		EQRL (Quick raise/lower) & Mechanical Hitch Control Levers		
Control Modes		Raise, lower, draft control, rate of raise & drop, quick raise/lower, height limit		
Sensing Type		Top Link Draft Sensing		
Max. Lift Capacity @ hitching point	[kg]	1,800		
Max. Lift Capacity @ 610 mm behind hitching point	[kg]	1,450		
<b>TRACTOR DIMENSIONS</b>				
Wheelbase 4WD	[mm]	2,050		
Total Length incl. Hood & Drawbar	[mm]	3,640		
Height Center of Rear Axle to top of Roof (Cab)	[mm]	1,760		
Height Center of Rear Axle to top of ROPS (IOOS)	[mm]	1,857		
Ground clearance min – max	[mm]	320-400		
Rear overall width min – max	[mm]	1,563 to 1,973 for 16.9R30 for other tires 1,513 to 2,030		
Front track width 4WD min – max	[mm]	1,408 to 1,888 for 11.2R20; 1,510 to 1,795 for 12.4R24		
<b>TURNING RADIUS</b>				
MFWD engaged without brakes	[mm]	4,250		
Tire		320/85R24		
Position / Track Width	[mm]	1,800		
<i>* Calculated Turning Radius</i>				
<b>TRACTOR WEIGHTS</b>				
Total weight IOOS	[kg]	2,950		
Total weight CAB	[kg]	3,320		
Maximum permissible weight	[kg]	5,100		

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Whether you need us for advice, to solve a problem, or for a part - reach out, we'll be there. And we've got you covered with PowerGard maintenance plans that keep your tractor running great, within your budget.



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