

5E 3-cylinder Series Tractors

from 55 to 75 hp (97/68EC)



The little giant with the big cab.

Highly efficient, proven technology – in fact, 100% John Deere engineering. The 3-cylinder tractors in the new 5E Series define new standards of performance and economy, and at an affordable price too.

These cost effective machines will show you their true worth with their hard work in the field or yard, and their abilities in vineyards, orchards or municipal services. Choose between a spacious open or enclosed cab, two or four wheel drive and rest assured, whatever your choice, your tractor comes with all the safety and reliability of more than 175 years of John Deere engineering expertise.

Big performance for small business

Toughness, reliability, outstanding performance and low operating costs: it's not just their attractive price that makes the new John Deere 3-cylinder 5E Series tractors such a tempting choice for farmers and smallholders, specialist horticultural businesses, contractors and municipal authorities.





Experience the 5E Series:

- **Powerful and economical:** 2.9 litre, 3-cylinder, PowerTech M engine with turbocharger and charge air cooler ((36.8 kW/50 hp; Turkey only), 40.5 kW/55 hp, 48 kW/65 hp and 55 kW/75 hp).
- **Compact and agile:** tight turning circle (3.6 m); low cab height (2.43 m) or open cab with foldable roll-over protection bar
- **Rugged Gearbox:** 9 forward and 3 reverse gears, 540 and 540E PTO standard equipment on all models. All 5E transmissions can be equipped with a creeper with 3 additional speeds from 0.5 to 3 km/h at full engine rpm.
- **Your choice of drive:** two wheel or four wheel
- **Impressive lift capacity:** up to 1.8 tonnes
- **Versatile:** wide range of attachments and implements
- **Easy front loader operation:** joystick and optimised gear change
- **First-class as standard:** rear work lights, rear SCV with cross-lever operation, full set of mudguards, etc
- **Custom-built option:** talk to your John Deere dealer and specify the tractor that is just right for you

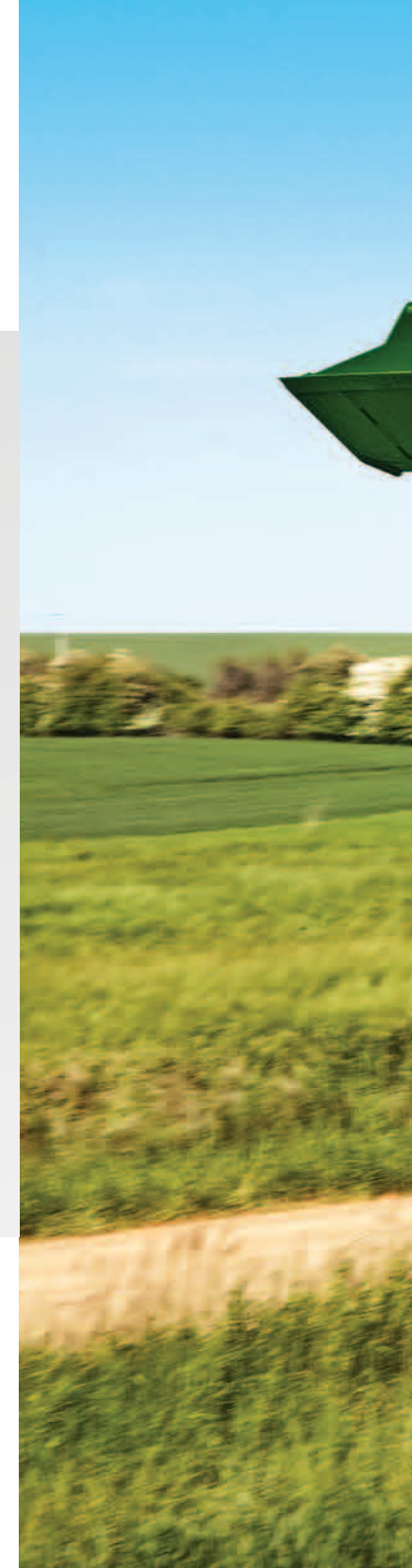
A multitude of uses.

One of the great strengths of the new John Deere 5E Series tractors is their exceptional versatility. It makes them the perfect all-rounders for many different applications:

- Ground preparation, tilling and sowing
- All major and minor tasks on smallholdings and smaller livestock farms
- Dairy farms
- Specialist horticultural businesses
- Landscaping, greenkeeping and in gardens and parks
- Heavy duty forestry
- Local authorities
- All types of front loader work

In confined spaces such as orchards, vineyards or in stables, these tractors really come into their own. This is where they can show their outstanding versatility and manoeuvrability, their strength when it comes to lifting heavy loads and their exceptional stability thanks to optimised load distribution.

Whether you're a full or part time farmer, smallholder or grower, a John Deere 5E Series tractor is an inspired choice.





A first-class place to work.

Would you have thought that a 3-cylinder compact tractor could offer such a large, comfortable and luxurious cab? Climb aboard a new John Deere 5E Series tractor and experience a new dimension of comfort, space and all-round visibility.

Very few utility tractors give you such a clear and unobstructed view of your field of work and your front and rear attachments as the 5E Series tractors from John Deere. Even with a raised front loader you can still keep a close eye on everything around you. It's the cab windows with their large glazed area and rounded corners that do it.

For late night shifts you can have two optional headlights on the cab roof and there's no need to break into a sweat either: effective climate control in the cab keeps you cool in summer and warm and cosy on cold days, while opening front and side windows let fresh air in whenever you want it. And if you've got company, there's the option to include a folding passenger seat next to you.

The vivid neon digital dash displays are clearly visible in all lighting conditions, even on bright sunny days. Ample storage space and a cup holder are integrated in the comfortable side upholstery, alongside the optional passenger seat with seatbelt. The tall windows ensure optimum visibility of the lifted front loader.

One of the most spacious cabs in its class.



A smooth ride

The noise and vibration controlled cab keeps you comfortable by absorbing shocks and bumps.



Easy mounting and dismounting

You can get in from either side of the cab.

Protection from sun and rain

The optional sunroof offers protection from rain and cooling shade from the sun.



The John Deere Techcenter Cab gives you a great view during front loader operations.



A new level of efficiency

John Deere 5E Series tractors are also available with an open station. This can be an advantage in situations with restricted height, for example in orchards or on farms with low barn or stable doors. And if things get really tight you can fold down the roll-over protection bar too.

The highest operator comfort is guaranteed with these tractors. And, as if the quiet and vibration-free cab is not enough, you can also choose the optional air-suspension operator seat to guarantee supreme comfort for hours of fatigue-free work on your tractor.

The operating controls are ergonomically designed and fall to hand easily. All levers and switches are conveniently positioned and their functions quick and easy to recognise thanks to their clear colour coding:

- Orange = forward and reverse gears, brakes, hand or foot operated accelerator
- Yellow = PTO
- Black = hydraulics

Real, long lasting power.



The 3-cylinder PowerTech M engine of the 5E Series tractor with its turbocharged and charge air cooled 2.9 litre capacity offers high performance as well as optimum fuel efficiency. Its integrated turbocharger compresses the intake air, thereby providing more oxygen for combustion. So you get more performance for less fuel. And because fuel consumption is reduced, the engine also meets Stage III A emission standards – and is kind on the environment.

The one-piece, tilting engine hood on the 5E Series tractors opens wide to give easy access to all maintenance points. The 80 litre fuel tank (68 litres on tractors with open cabs) can be refuelled safely and comfortably from ground level. The tank itself is mounted centrally below the cab for even weight distribution. A tough steel cover protects it from any damage from below.



Refuelling made easy

The 68 litre fuel tank can be filled from ground level.



Everything ready to roll

The new 2.9 litre PowerTech M engine fully complies with Stage III A emission standards.



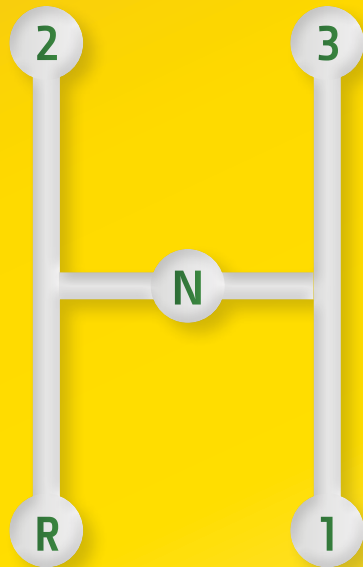
The convenient, side mounted gear shift lever guarantees smooth gear shifting on every 5E Series tractor.

Changing gears made easy

All 3-cylinder 5E Series tractors, whether four wheel or rear wheel drive, have a robust, synchronised gearbox and a twin-disc clutch to ensure smooth gear shifting.

A particular benefit is the H-pattern gear shift. This means you can shift quickly between second gear and reverse. Especially when doing a lot of front loader work with frequent forward and reverse movements you'll find that the H-pattern gear shift can make a day's work so much easier.

Safety is an integral part of all 5E Series tractors. The self-adjusting and self-levelling, hydraulically operated, oil-cooled disc brakes bring the tractor to a quick and reliable halt – whenever that is needed.



Optimised gear shift pattern
To make frequent forward and reverse movements even easier, second and reverse gears are directly opposite each other.

Made for each other: hydraulics and front loader.

All 5E Series tractors are equipped with a tandem hydraulic pump with a capacity of 71 litres/min. This supplies and operates all hydraulically driven attachments. You can choose between one or two sets of rear SCVs with joystick control and a rear lever-controlled remote or two mid-remotes with joystick control.

The adjustable hydraulic speed means you have precise control of your attachments – from locked position for transport to different levels of lifting and lowering speed to match your load.

The 5E Series tractors come with heavy duty front axles specially designed for front loader work. In fact, everything is designed with front loader work in mind: a tight turning circle, two additional hydraulic pumps at the front, rapid forward and reverse shuttling and excellent all-round visibility.

You can specify a complete front loader package as a factory fitted option or as a retrofit. You can choose between a front loader without levelling (NSL) or with mechanical self-levelling (MSL) and joystick operation. We also offer a wide range of sturdy attachments such as forks, shovels, grabs, tines, etc.



The front loader is so easy to use
All functions are controlled by this
easy-grip joystick controller.

All models in the John Deere 5E Series are
compatible with the John Deere 533 front loader.



5E 3-cylinder tractors, technical data

Engine	5050E*, 5055E, 5065E, 5075E
Manufacturer	John Deere PowerTech M
No of. Cylinders /aspiration	
T=Turbo, C= Intercooler	3/TC
Displacement (cm³)	2900
Valves per cylinder	2
Fuel tank capacity (l)	68 (IOOS), 80 l (CAB)
Biofuel capabilities	Yes JD-Additive
Cooling method	Water
Emissions level	Stage III A
Service intervals (hours)	250
PERFORMANCE	
Rated Power (97/68 EC), kW (hp)	36 (49)* / 40.5 (55) / 48 (65) / 55 (75) *only for Turkey 5050E
Rated Power (ECE-R24)	35 (48)* / 38.1 (52) / 46.1 (63) / 53.8 (73) *only for Turkey 5050E
Rated Speed (rpm)	2400
Max. torque (Nm)	200/213 / 247 / 276
Max. torque @ engine speed (rpm)	1800
Torque reverse in %	30* / 26 / 23.5 / 20 *only for Turkey 5050E
TRANSMISSION	
Std. transmission	9F / 3R TSS
Clutch	Dry Dual Clutch
Max. transport speed (km/h)	26.3 / 26.3 / 27.6 / 29
Brakes type	Hydraulic Wet Disc
Differential lock	Mechanical
PTO	
Clutch	Yes
Standard	540 & 540E
HYDRAULICS	
System type	Open Centre
SCV control	Lever / Joystick
Pump rated output	
steering (l/min)	25
standard (l/min)	46
Total (l/min)	71
Hydraulic pressure (bar)	195
Hitch lift capacity max. 610 behind..	1440 kg
Hitch lift capacity max.	1800 kg at balls
Sensing type	Top link
SCV	
SCV rear	1/2
SCV mid	2
OPERATOR STATION	
Model availability (i = isolated)	IOOS or CAB
Roll over protective structure oos	Yes
Platform – Flat/Straddle	Straddle
Gearshift location	RH / LH - Side Shift
db(A) rating	86 (IOOS), 83 (CAB)
Seat suspension system	Mechanical suspension, air suspesion kit
Worklight	0 front in base, 1 (IOOS) /
rear	2 (CAB) in base 2 front as kit
Beacon light	1 (IOOS) in base, 2 (CAB) in base
Rear wheel weights	standard
one-piece hood	0, 110 or 220 kg (depending on country)
	Yes

Engine	5055E, 5065E, 5075E
DIMENSIONS & WEIGHTS	
2WD availability	Yes
4WD availability	Yes
2WD	
Wheelbase (mm)	2050
Front tread setting (mm)	1447 – 2082
Rear tread setting (mm)	1417 – 1821
Turning radius without brakes (m)	3.5
Min. overall width (mm)	1790 ... 1810
Ground clearance (mm)	310 / 326 / 400
Total height (mm)	2425 – 2460
Total height with folded roll-over frame (mm)	1800
Shipping weight (kg)	2745 (IOOS), 3100 (CAB)
Max. permissible weight (kg)	4700
Tyres	
front	6.0x16 / 7.5x16 Good Year
rear	13.9 R28 (5050E) / 14.9x28, 8PR
rear	16.9x28, 8PR
rear	16.9x30, 8PR
4WD	
Wheelbase (mm)	2050
Front tread setting (mm)	1367 – 1932
Rear tread setting (mm)	1417 – 1821
Turning radius without brakes (m)	4.65
Min. overall width (mm)	1790 – 1810
Ground clearance (mm)	310 / 326 / 400
Total height (mm)	2425 – 2460
Total height with folded roll-over frame (mm)	1800
Shipping weight (kg)	2745 (IOOS), 3100 (CAB)
Max. permissible weight (kg)	5100
Tires	
front	280/85 R20 (11.2 R20) 320/85 R20 (12.4 R20)
front	240/85 R24 (9.5 R24) 280/85 R24 (11.2 R24)
front	320/85 R24 (12.4 R24)
rear	320/85 R28 (13.6 R28) 380/85 R28 (14.9 R28)
rear	420/85 R28 (16.9 R28) 420/85 R30 (16.9 R30)
rear	320/85 R36 (13.6 R36)

Service from John Deere is service you can rely on

We have the answer to your challenges. John Deere is committed to keeping you up and running. That's why our products and technologies are quality-built, state-of-the-art and efficient.

We have invested generously in building an effective dealer network so we can be like a good neighbour: there to help when you need us. All our dealer staff are John Deere trained. They know every nut and bolt on your equipment and they're skilled at diagnosing any potential problems.

Count on John Deere for all your tractor needs.

With more than 175 years of experience in farm machinery, we can honestly say: reliability is our strength.



"Partner in agriculture"

John Deere offers you a range of financing options as powerful as our products. Contact your John Deere dealer for a comprehensive range of finance options to suit the specific needs of your business. Not available in all countries please consult your local dealer.

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include finance, credit, insurance, product options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specification and design of products described in this literature without notice.

JohnDeere.com