

5G / 5GH Standard Series

60 to 66 kW (80 to 90 hp)



Compact Performance



Compact performance has a new name: 5G Standard Series

Your John Deere 5G Series tractor will get the job done in a wide range of farming and non-ag applications, in any conditions. This compact workhorse is tough enough for constant activity, compact enough for small yards, agile enough for tight corners, it offers all the versatility and reliability you need. With our comprehensive service packages and extensive dealer network, your new John Deere 5G Series will always be ready for the next job.



More cab space with no increase in height.

High-clearance option for fruit and vegetable farming.

*Tyre sizes 9.5 R24 front and 380/85 R30 rear

**Tyre sizes 15.5 R38 front and rear
2WD = 780 mm
4WD = 630 mm





CONTENTS

Compact performance.....2-3

One family, many applications4-5

Built for years of service.....6-7

A spacious cab8-9

Engine / PTO / transmission options 10-11

Front loader / hydraulics and SCVs 12-13

Dimensions / specifications 14-15

One family, many applications

Whether your business is arable, livestock, speciality, a mix of these or even non-agricultural, the new John Deere 5G Series of compact tractors has the solution. From ploughing, sowing and transporting to front loader work, mowing and baling, you always have the versatility and manoeuvrability you need to get the job done.

With its compact dimensions, plentiful power and full range of options, the new 5G is as much at home in the field as it is in the shed or taking care of a wide range of municipal tasks on roads, in parks or sports stadiums.

Tailor your tractor to meet your needs:

- 4 transmission options
- IPM (5090G only) for extra power
- mechanical or electro-hydraulic SCVs
- mechanical or electro-hydraulic PTO
- front PTO, front loader preparation and front hitch straight from the factory





Even heavy soils are light work for the 5G.



The 5Gs compact dimensions help you manoeuvre easily.



High ground clearance option for vineyard and vegetable farming:
The 5GH.



The 5G is a great all-round workhorse with a powerful PTO.

Built for years of service

The new 5G series has been designed from the ground up to provide years of faithful service in the toughest conditions.

Extensive testing in extremely dry and dusty environments has proved the efficiency of the new tractor's filtration and lubrication systems, as well as the dust-exclusion properties of the sealed cab.

We also tested the new 5G in sub-zero temperatures to ensure its viability as a valuable road maintenance tool for local authorities and sports facilities.





John Deere leaves nothing to chance

The quality of agricultural technology is crucial to the people who use our machines. This is why achieving the best possible quality has always been our guiding principle: a commitment that has made John Deere synonymous with high quality, tough and productive machinery across the globe. The development of the 5G Series is the latest evidence of the value of these principles.

Field Tests: Long before our machines reach the showroom, they have been subjected to a rigorous program of testing and quality control. Before we approve them for production, all our new tractors are tested by working farmers in the toughest field conditions. This ensures they will perform as you need them to when you put them to work.

Factory Quality: Alongside proven quality control processes and international standards such as ISO certificates, we have developed our own additional manufacturing checks and tests. For example, on a daily and weekly basis, we randomly inspect tractors that have just left the assembly line, checking them for the slightest fault before approving them for sale.

John Deere Customer Support: When developing a new machine, we involve the people who actually use our products, right from the start. Their ideas, insights and feedback ensure that the agricultural machinery we produce meets real needs in the most productive and cost-effective way. As well as providing comprehensive after-sales support, we also run processes like our CSI (Customer Satisfaction Index), which provides us with a constant flow of feedback based on real-life experience. This is vital in enabling us to constantly improve our products – ensuring you can work more productively and profitably, year in, year out.



The 5G is tested under the toughest possible conditions.

Enjoy the comfort of a spacious cab

No matter how long your working day might be, the size of the new John Deere 5G Series cab makes any job a pleasure. The clear, logically arranged controls are within easy reach while the uncluttered layout of the dashboard makes it easier to find the information you need, increasing your sense of relaxation and control.

Everything has been designed for maximum ease of use. Improved ergonomic design reduces hand movements and the intuitive layout of the controls maximises efficiency.



The simple dashboard layout and intuitive controls reduce working stress and increase productivity.





Improved ergonomics, fingertip controls and a joystick for two additional SCVs help you to work more efficiently and comfortably.

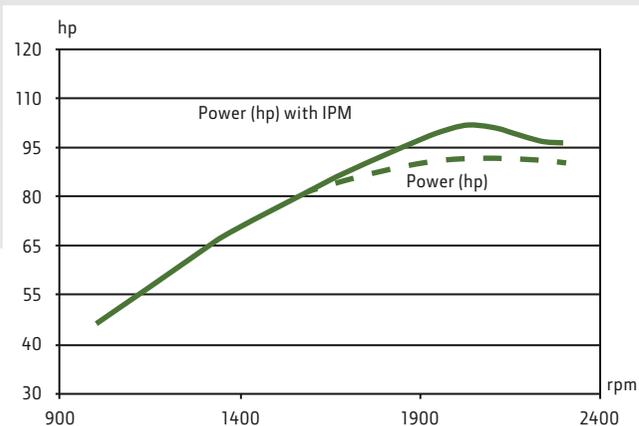
Increased efficiency

Designed for maximum performance with minimum downtime, the 5G Series' powerful diesel engine runs for 500 hours between oil changes. For greater performance and higher power density in transport and non-stationary PTO applications, John Deere's optional Intelligent Power Management (IPM) system adds extra power when you need it.

Power to spare:

- Maximum torque of up to 366 Nm
- Torque boost of 31% available under heavy load
- Up to 500 hours between oil changes
- Optional IPM delivers up to 10 hp at 2,000 rpm
- Constant power range of 400 rpm

The 5090G with optional IPM is a great performer.



Excellent traction and choice of PTOs

The new 5G Series features hydrostatic steering for increased performance and efficiency. Steering is easy, even at low speeds. The standard differential lock ensures even power delivery to both rear driving wheels for improved traction. Depending on your choice of transmission, PTO engagement can be mechanical, servo-assisted or electro-hydraulic.

PTO controls are conveniently located for maximum ease of use.





Choose from 4 transmission options

To ensure optimum compatibility with the way you work, the new 5G range offers four different transmission options: 12F/12R with optional 2WD, 24F/24R with mechanical or electro-hydraulic Hi-Lo and 24F/12R with electric PowrReverser transmission.

PowrReverser transmission is designed for applications involving frequent direction changes, such as front loader work or tight headland turns. The wet clutch provided with this system ensures a long working life even under heavy duty conditions.



PowrReverser transmission is ideal for applications involving frequent direction changes.

A willing workhorse with matching front loader

With up to 1.7 tonnes of front hitch lift capacity, the new 5G has all the strength you need. Add a John Deere front loader for valuable versatility on your farm. John Deere front loaders are manufactured in our own works to ensure total quality control and reliability. They provide balanced loading of the front axle and reduced strain on the engine and drives. Their open frame construction also ensures excellent visibility.

Choose green-on-green

- With the H Series John Deere front loaders
- Custom-designed to work with John Deere tractors
- Ergonomic control elements
- Optimal stability and robust, highly durable construction



Precise loader work thanks to the ideal match with your John Deere tractor.



Premium materials, precise welds, tough construction and a heavy duty finish: everything you'd expect from a John Deere front loader.



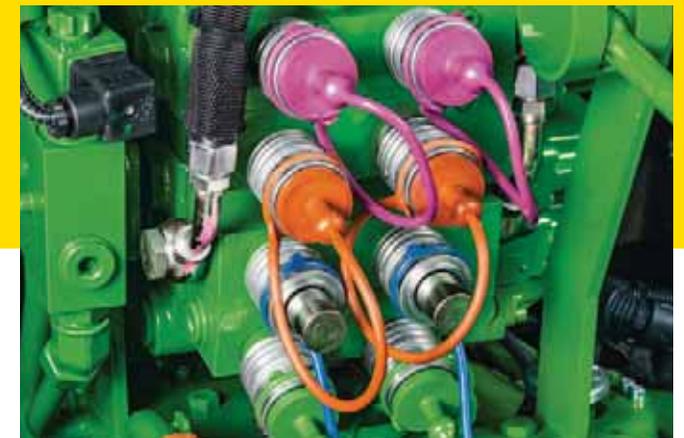


Hydraulics and SCVs

For maximum flexibility, the new 5G Series offers up to three mechanical and four electro-hydraulic SCVs. They all have easy to handle push and pull couplers for quick changing of implements. The 5G Series' hydraulics offer a flow divider and regulator with mechanical SCV options. In addition, there is a flow regulator in the cab and optional time control with electro-hydraulic SCVs for extra comfort and convenience.

- Open centre hydraulics for simplicity and reliability
- Engine driven tandem gear pump for uninterrupted steering and hitch movement
- Optional third hydraulic pump for an additional 29.8 litres/min for 126 litres/min output for more demanding implements

Choose up to four electro-hydraulic SCVs.



Dimensions

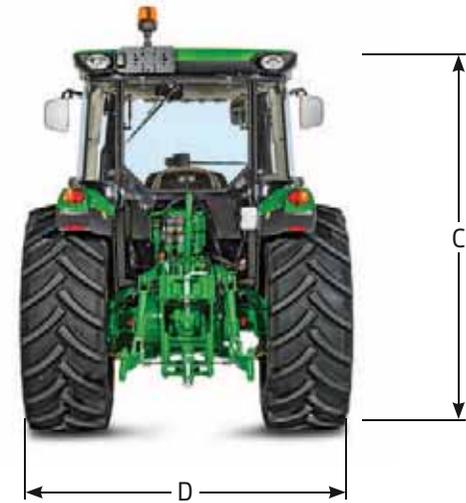
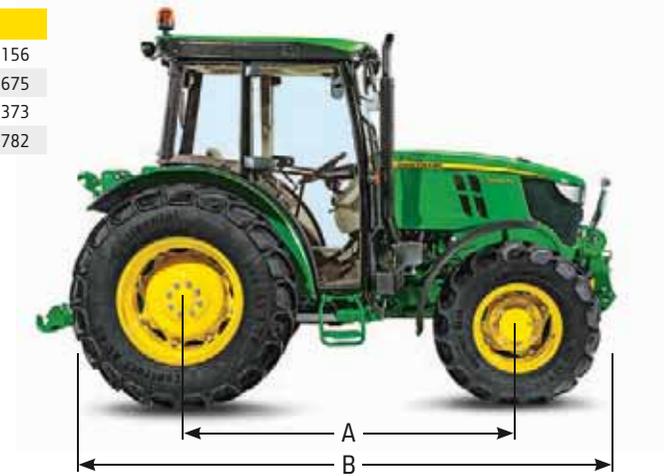


Dimensions

(A) Wheelbase, mm	2156
(B) Overall length, mm	3675
(C) Height, mm	2373
(D) Width (end to end), mm	1782

Front axle tyre sizes
9.5 R24

Rear axle tyre sizes
380/85 R30



Specifications

	5080G	5090G	5090GH
ENGINE PERFORMANCE			
Rated power (97/68EC), hp (kW)	80 (61.1)	90 (67.1)	90 (67.1)
Max. power (97/68EC), hp (kW)	83 (62.3)	91.5 (68.3)	91.5 (68.3)
Rated power (97/68EC), hp (kW) IPM	–	95 (70.8)	–
Max. power (97/68EC), hp (kW) IPM	–	100 (75)	–
Constant Power Range, rpm		400	
Torque Rise, percent (IPM)	32	31 (25)	31
Maximum Torque, Nm (at 1400 engine rpm)	334	366	366
Rated Speed, rpm		2300	
Aftertreatment	Exhaust Filter with Diesel Oxidation Catalyst (DOC) and Diesel Particulate Filter (DPF)		
Aspiration (EU Stage III B)	Wastegate Turbocharger with Intercooler and Cooled Exhaust Gas		
Cylinders and Displacement	4 / 3.4 L		
Cooling system	Cooling System with Temperature Controlled Viscous Fan Drive		
Fuel Injection system & Control	High Pressure Common Rail System		
TRANSMISSION OPTIONS			
Synchronised Reverser			
12F / 12R 1.4–30 km/h,	X	X	X
Synchronised Reverser with mechanical Hi-Lo			
24F / 24R 0.5–30 km/h			X
Synchronised Reverser with mechanical Hi-Lo			
24F / 24R 0.5–40 km/h	X	X	
Synchronised Reverser with electro-hydraulic Hi-Lo			
24F / 24R 0.5–40 km/h	X	X	
PowrReverser			
24F / 12R 0.5–40 km/h	X	X	
STEERING			
Type	Hydrostatic		
HYDRAULIC SYSTEM			
Type	Open Centre Hydraulic System / Electro-hydraulic or Mechanical SCV		
Flow at rated speed base/option, l/min	96.6/126.4 (option)		
Selective control valves (rear)	4 (only with E-SCV)		
3-POINT HITCH – Rear			
Type	Mechanical / Electro-hydraulic		
Category	II		
Maximum lift capacity at the balls, base/option (kg)	2700 / 3200		2500
Lift capacity through the travel, base/option (kg)	2600 / 3200		1700

	5080G	5090G	5090GH
3-POINT HITCH – Front			
Type	Front towing hitch electro-hydraulic engaged		
Category	II		
Maximum lift capacity at hooks (kg)	3039		
Lift capacity through the full lift range (kg)	1917		
Lift capacity through full lift range 610 mm (kg)	1703		
Rear PTO			
Type	Mechanical / Electro-hydraulic engagement, oil cooled, multi-disc design		
Engine rpm at rated PTO speeds (540/540E/1000 rear PTO)	1938 / 1648 / 1962		
Front PTO			
Type	Electro-hydraulically operated, oil cooled		
Engine speed at rated PTO speed (1000), rpm	2060		
CAB			
Specifications	320° all-round vision, telescoping and tiltable steering column		
Operator's ear noise level (dBA)	81		
Display	Integrated in dashboard		
MISCELLANEOUS			
ISOBUS Implement Connection	optional		
Trailer Brake system	Hydraulic or pneumatic system optional		
CAPACITIES			
Fuel Tank	95		74
DIMENSIONS AND WEIGHTS			
Wheelbase (mm)	2156		
Front Tread setting min – max (mm)	1362 (Pos A) – 1885 (Pos H)		1562 (Pos D) – 1962 (Pos H)
Rear Tread setting min – max (mm)	1392 (Pos C) – 1905 (Pos H)		1606 (Pos C) – 2120 (Pos H)
Minimum overall width (mm)	1782		1820
Maximum overall width (mm)	2295		2520
Turning Radius MFWD (m)	3.7		4.5
Total height CAB (mm)	2372.9		2738.4
Total height ROPS (mm)	2351		2716.5
Total Length (mm)	3675		3675
Ground clearance, mm	411		630
(Ground Clearance Center 4WD (MFWD))			
Average shipping weight, kg	3165		3195
Maximum Permissible Gross Weight, kg		5100	
TYRE SIZES			
Front axle tyre sizes	9.5 R24		15.5 R38
Rear axle tyre sizes	380/85 R30		15.5 R38

Service you can always rely on

Together with the John Deere dealership network, we are committed to keeping your operations up and running. We never stop investing in products and technologies that are quality-built, state of the art and dedicated to reducing your operating costs.

Your dealer's technicians are all John Deere trained and backed up by our highly efficient parts logistics. After more than 175 years, there is a strong link, a partnership between John Deere, the dealer network and above all you, our customer.

Better together.



John Deere Financial – A range of finance 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.

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