

5G Series Speciality Tractors

57 to 74 kW (75 to 100 hp)



Tailored to fit



Tailored to fit for every type of speciality farming

Meet the most comprehensive range of solutions available for speciality crop farming: the John Deere 5G Series tractors:

The 5GF is the perfect all rounder for wide vineyards and orchards. The low profile 5GL is designed with low hanging orchards and pergola vineyards in mind. The 5GV is the perfect choice for super-narrow vineyards. Compact and manoeuvrable, the 5GN is suitable for vineyards and orchards with row widths in between the 5GF and the 5GV.

Light on soil and low on fuel usage, they all have more than enough power to take care of a wide range of everyday tasks. Choose from a whole variety of options and configurations to meet your exact requirements.



Dimensions

- The new line-up offers solutions for every type of speciality operation
- Orchard, low profile, vineyard and narrow vineyard models
- Cab and OOS versions
- Tailored to fit!

Hydraulic Performance

- Best hydraulics in class
- 95% of hydraulic power even at the highest pressure
- Up to three pumps and 122.5 l/min give you the power of choice
- Up to 9 rear couplers and 7 optional mid-mounts
- For mid mounted types of speciality implement





5GF

Comfort/Cab

- Extra wide cab for 5GF & 5GN
- New electro-hydraulic SCV controls
- Precision handling of hydraulic-driven implements
- Ergonomically optimised giving more space in cab
- Intuitive controls
- Extra-narrow cab for 5GV

Turning Radius

- Reduced to just 3.4 m with no additional options needed
- Fast headland turns
- Easy to manoeuvre
- Efficient around the yard

Power

- Stage III A emissions compliant diesel engines
- Runs up to 500 hours between oil changes
- Enhanced cooling for better performance
- Increased rear hitch lift capacity
 - up to 3100 kg, even with long implements
- Front hitch and front PTO ex-factory



5GV

CONTENTS

Tailored to fit 2-3

At home wherever you are 4-5

One family, many applications 6-7

Built for years of service 8-9

A spacious cab 10-11

Engine / transmission options 12-13

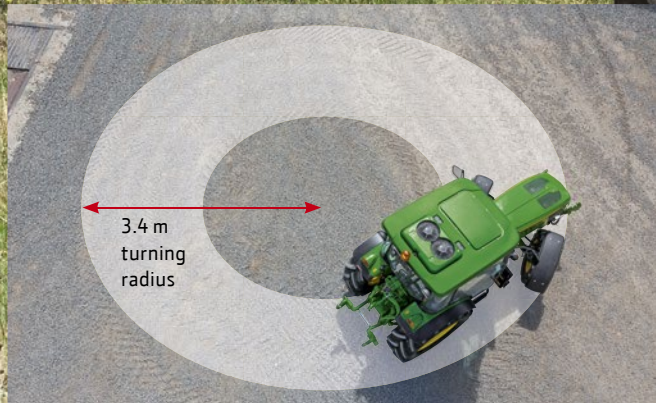
Versatility at your fingertips 14-15

PTO / Service 16-17

Dimensions / specifications 18-19

At home wherever you are

From the largest orchard to the most densely planted vineyard, the new John Deere 5G speciality range always feels at home. Narrow track, cab or open operator station (OOS), these tractors are perfectly designed to fit in with your work environment.



The improved turning radius enables fast headland turns.



1850 mm

Wide vineyard.

1900 mm

2150 mm

Low profile orchard or pergola vineyard.



5GF



2000 mm

Orchard.

5GV



1600 mm

Narrow vineyard.

Speciality applications

However you operate your farming business, the new 5G speciality range provides all the versatility you will ever need. For example, the flexible transmission options enable you to perfectly match the intended application.

Factory fitted front PTO and front hitch allow you to execute two operations simultaneously and to choose the best place to attach the implement: back or front.



5100GF, finalist in the Tractor of the Year 2015 edition, in the Best of Specialised category.





Fuel tank capacity up to 92 l means even more uptime, a significant advantage during intense periods such as harvesting.



A range of PTO options delivers the power needed for speciality applications.



5G Series tractors are also ideal for a wide range of municipal and sports facility applications.

Built-in quality and fit for purpose

The new 5G Series speciality tractors have 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 filtration and lubrication systems, as well as the dust exclusion properties of the sealed cab.

We also tested the tractors in sub-zero temperatures and icy conditions to prove their 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 reliable, tough and productive machinery across the globe. The development of the 5G Series speciality tractors is the latest evidence of the value of this principle.

Field Tests: Long before our machines reaches the showroom, they have been subjected to a rigorous programme of testing and quality control. Before we approve them for production, all of our new tractors are tested by real 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: 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 that you can work more productively and profitably, year in, year out.



All tractors are rigorously tested in the factory and in the field before they are approved for sale.

Generous and accommodating

The larger cab of the new 5GF and 5GN models offers increased comfort and 320 degree visibility, which is especially useful for keeping an eye on side mounted implements. The six post cab design provides effective rollover protection while the front window is mounted on gas struts and opens widely.

The cab is sealed and pressurised to keep out dust and dirt and the silent block mountings ensure comfort throughout the day. The height-adjustable seat features wide cushions and backrest with generous wraparound padding to keep the operator well supported on sloping or rough ground. For extra comfort, you can specify the optional air suspension seat with its longer back. We also offer a tilt and reach adjustable steering column that lets you find your perfect driving position in seconds.



Available in cab or open operator station (OOS) versions, the 5GV fits in the narrowest rows.





For maximum flexibility, the new 5G Series speciality tractors offer up to four electro-hydraulic SCVs and four mechanical SCVs, with either two or three hydraulic pumps. They all feature an improved open centre hydraulic system that uses flat-face fittings and revised pipe routings for greater reliability and durability.

There is also the option to choose an additional joystick and fingertip controls for more ergonomic and effective loader operations and precise control.



Logically grouped and ergonomic electro-hydraulic SCV controls give you more precise implement management with joystick, fingertip, flow and time controls.

Enduring power

The powerful new Stage III A emissions compliant diesel engines have been designed for maximum performance with minimum downtime, running up to 500 hours between oil changes.

Key performance features:

- New turbocharger and charge air cooler for high torque and faster engine response under load
- Piston spray cooling, wet cylinder linings, closed cooling and viscous fan combine for maximum performance, reliability and lifetime value retention
- Easy serviceability ensures you spend more time working and less time on maintenance
- Increased fuel tank capacity (73 l with optional 19 l auxiliary side tank) for even more productive time in the field
- Two displacements provide greater versatility: 3.2 for 75 & 85 hp and 4.5 for 100 hp for heavy duty applications
- Service interval of 500 hours
- Up to 40% torque reserve for reliable performance, even in hilly conditions



4 transmission options

5G Series tractors offer four transmission options: 12F/12R at the entry level to 24F/24R with mechanical or electro-hydraulic Hi-Lo and the premium 24F/12R with electric PowrReverser. They feature a three range transmission with four gears in each range. All gears are fully synchronised. The 24/12 PowrReverser is ideal for applications involving frequent direction changes, while the wet clutch ensures a long working life under heavy duty conditions.

Electro-hydraulic Hi-Lo provides comfortable shifting for all forward gears and uninterrupted traction for improved productivity. The declutch button is integrated in the gear shift lever for easy shifting on-the-go, increasing transport performance and comfort. There's also a creeper range for operations requiring speeds as low as 500 m/h at 2300 rpm.

Three-range transmission with four speeds in each range.



Versatility at your fingertips

5G Series speciality tractors provide a total hydraulic flow of up to 122.5 l/min to support the most demanding applications. Together with up to nine rear couplers and seven new optional mid-mounted couplers, they are ready to operate every type of hydraulic implement used in orchard and vineyard applications.

- All of this power and versatility is easy to apply and operate with the electro-hydraulic SCV joystick and fingertip controls
- The three point rear hitch provides a standard minimum lift capacity of 2590 kg at the ball ends, extendable to 3100 kg on the 5GF and 5GN
- Front lift capacity through the full lift range of 1998 kg on 5GF and 5GN, 1500 kg on 5GL



Mid-mounted electro-hydraulic valves give you greater flexibility for a wide range of implements.





Agility at your command

Move quickly and easily between rows and get more work done in the day. The tight turning radius of 5G tractors saves time and fuel. It also improves operator comfort as well as reducing crop damage and soil disturbance.



New Comfort Implement Controls help the operator to guide rear attached implements from the operator's seat. Implement control is more precise and efficient, adjusting to uneven ground conditions. Draft links can be locked once the ideal position has been found.

Front and rear PTOs

5GF, 5GL and 5GN speciality tractors feature front hitch and front PTO up to 1,000 rpm ex factory for added versatility. Depending on your choice of transmission, PTO engagement can be mechanical or electro-hydraulic.

There is a flexible choice of PTO speeds, including 540/540E or 540/1,000 rpm, both with ground drive speed selection.

The power transfer from the transmission to the PTO is highly efficient, making the PTO performance one of the best in this tractor class.



Both front and rear PTOs are offered with a choice of speeds.



Improve crop quality and yields, conserve water

Field Connect

New from John Deere, Field Connect enables orchard and vineyard farmers to water crops with absolute precision. That means improved plant health, reduced operating costs, minimum risk of fungal disease and increased yield volume and quality. Field Connect uses variable depth under soil probes and a gateway to send real time data to your internet enabled device of choice. Set alert thresholds to ensure your irrigation is always “just in time”.

Additional features include key sensors to measure temperature, relative humidity and solar radiation, supporting effective decisions and timely interventions to protect the health of valuable crops.

Probes can be set for shallow rooted crops (e.g. strawberries), fibrous rooted (e.g. vines) or deep rooted (e.g. tree fruits). Data is collected via the gateway.



Genuine for a reason

John Deere delivers outstanding quality parts that are tailored to enhance the performance, comfort and reliability of your 5G Series speciality tractor. They operate, fit and function perfectly. They also optimise fuel consumption while protecting your health and the environment. John Deere replacement parts actually pay for themselves and keep your machine as strong and reliable as the day you bought it.

- Excellent parts availability
- Performance quality parts
- Built to last

Genuine John Deere parts are your best choice for performance and reliability.

Thanks to our dense network of approved dealers, you're never far from a John Deere technician.



Specifications

HP MODELS	5GV		5GN			5GF			5GL		
	5075GV	5085GV	5075GN	5085GN	5100GN	5075GF	5085GF	5100GF	5075GL	5085GL	
ENGINE PERFORMANCE											
Rated power (97/68EC), hp (kW)	75 (55)	85 (65)	75 (55)	85 (65)	100 (74)	75 (55)	85 (65)	100 (74)	75 (55)	85 (65)	
Torque Rise, percent	40	30	40	30	32	40	30	32	40	30	
Maximum Torque, Nm (at 1250 engine rpm)	330	350	330	350	430	330	350	430	330	350	
Rated Speed, rpm	2300		2300			2200		2300		2200	
Cylinders and Displacement	4 / 3.2 L		4 / 3.2 L			4 / 4.5 L		4 / 3.2 L		4 / 3.2 L	
Cooling system	Cooling System with Temperature Controlled Viscous Fan Drive										
Fuel Injection system & control	High Pressure Mechanical Injection System										
Exhaust Options	Horizontal exhaust / Mid-mounted vertical exhaust / Vertical A-corner post exhaust (only with CAB)										
Service Intervall (hours)	500										
Fuel Tank											
Fuel Tank Capacity, litre						73			67		
Fuel Tank Capacity with Front PTO, litre						52			47		
Auxiliary Fuel Tank Capacity, litre	-					19					
Total Fuel Tank Capacity with auxiliary fuel tank without Front PTO / with Front PTO, litre	-					92 / 71			-		
TRANSMISSION OPTIONS											
Synchronised Reverser 12F / 12R 1.4 – 30 km/h, 2WD	X					X		X		-	
Synchronised Reverser 12F / 12R 1.4 – 30 km/h, 4WD	X					X		X		-	
Synchronised Reverser with mechanical Hi-Lo 24F / 24R 0.5 – 40 km/h, 4WD	X					X		X		X	
Synchronised Reverser with electro-hydraulic Hi-Lo 24F / 24R 0.5 – 40 km/h, 4WD	X					X		X		-	
PowReverser 24F / 12R 0.5 – 40 km/h, 4WD	X					X		X		-	
HYDRAULIC SYSTEM											
Type	Open Centre Hydraulic System										
Controls	Mechanical or Electro-hydraulic SCV Controls (Fingertip & Joystick Controls)								Mechanical SCV Controls		
Maximum No. Rear Mechanical SCV						4			3		
No. Rear Electro-hydraulic SCV						4			-		
Maximum No. Mid Mounted Hydraulic Couplers						5 right hand & 2 left hand			-		
HYDRAULIC PERFORMANCE [75 & 85 hp @ 2300 rpm / 100 hp @ 2200 rpm rated speed]											
2 Hydraulic Pump System, output l/min	93.6		93.6			81.4		93.6		81.4	
Optional third hydraulic pump, output l/min	28.9		28.9			26		28.9		26	
3-POINT HITCH – Rear											
Type	Mechanical / Electric Hitch System								Mechanical Hitch System		
Category						I/II					
Electro-hydraulic lateral and tilt control incl. swing and lock function	-					Optional			-		
Hitch Remote Control						Mechanical / Electronic Hitch Remote Control			Mechanical Hitch Remote Control		
Maximum lift capacity at the balls (kg / kN)	2.590 / 25.4					3.100 / 30.4			2.590 / 25.4		

Specifications

HP MODELS	5075GV	5GV 5085GV	5075GN	5GN 5085GN	5100GN	5075GF	5GF 5085GF	5100GF	5075GL	5GL 5085GL
3-Point Hitch – Front										
Type	Front towing hitch electro-hydraulic engaged									
Category	II									
Lift capacity through full lift range 610 mm (kg / kN)	1678 / 16.4					1500 / 14.7				
Rear PTO										
Type	Mechanical or electro-hydraulic engagement								Mechanical engagement	
Engine rpm at rated PTO speeds (540/540E/1000 rear PTO)	1938 / 1648 / 1962									
Front PTO										
Type	Electro-hydraulic engagement									
Engine speed at rated PTO speed (1000), rpm	2060									
Dimensions and Weights (4WD)										
Wheelbase (mm)	2098		2098		2185		2074		2161	2074
Total Length incl. Front weight support & Drawbar (mm)	3995		3995		4082		3995		4082	3840
Total Height CAB (mm)	2334			2371			2355			–
Total Height OOS, ROPS upright (mm)	2469		2490		2560		2490		2560	2365
Height to hood (mm)	–			–			–			1234
Height to steering wheel (mm)	–			–			–			1282
Height to operators seat (mm)	–			–			–			953
Height to rear fender (mm)	–			–			–			1089
Ground clearance	267			289			346			225
Total weight CAB (kg)	2745		2975		3045		3065		3135	–
Maximum Permissible Gross Weight 4WD (kg)	4100					4400				4200
Front axle tyre sizes 4WD	7.50-16			7.50-18			9.50R20			260/70 R16
Rear axle tyre sizes 4WD	340/85R28			380/85R28			380/85R28			380/70 R20
Tread Settings & Overall Widths										
Overall tractor width min - max (mm)	1088 - 1388			1322 - 1722			1583 - 1920			1525 - 1868
Rear axle tyre sizes	9.50R28			340/85R28			420/70R24			380/70 R20
Turning Radius										
Steering Angle (°)	55									
Turning Radius 4WD (m)	3.6			3.6			3.4			3.4
Tyres	6.50R16			7.50R16			280/70R18			280/70 R16

Better together

We understand exactly what our customers need to achieve and maintain the success of their operations: equipment that is designed and engineered to outperform anything in the field, a support network dedicated to maximise operational uptime, and proven cost efficiency. These three requirements can only be fulfilled in a framework of trustful partnership. By continuously communicating with our partners and by listening to their needs, we are able to give helpful advice and to create the innovative solutions that ensure their and our future success.

It's this kind of unique understanding that makes us all 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.

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