


6G SERIES



DEUTZ-FAHR  
6145G - 6165G - 6185G - 6205G  
AGROTRON



A green tractor is shown from a low angle, focusing on its large, treaded rear tire. The tractor is positioned on a dirt surface in a farm or agricultural setting. In the background, there is a concrete structure with a metal gate, a white fence, and a large pile of tires. The sky is overcast with grey clouds. A green diagonal bar is at the top left, and another green diagonal bar is at the bottom left.

FULLFILL THE GROWING DEMAND FOR  
SUSTAINABILITY AND ECO-FRIENDLINESS  
WHILE STILL WORKING WITH MAXIMUM  
EFFICIENCY AND POWER - GET INTO  
THE NEW 6G SERIES.

**THE NEW 6G SERIES.  
THE BEST TECHNOLOGY  
MIX IN ITS CLASS.**



6G SERIES AGROTRON		6145G		6165G		6185G		6205G	
		Manual	RC	Manual	RC	Manual	RC	Manual	RC
Rated Power	kW/HP	102/139		111/152		134/183		147/200	
Max. power	kW/HP	108/147		120/163		140/190		149/203	

With a choice of five new models with power outputs from 147 to 203HP, the new Deutz-Fahr 6G series answers the demands of customers in need of a tractor that not only delivers superlative productivity at an unbeatable cost, but also offers unparalleled ease of

use and simplified maintenance. Complete with stage 3A compliant six cylinder Deutz engines, matched with highly efficient ZF transmissions and class-beating hydraulics.



**COMFORT AND FUNCTIONALITY  
WITHOUT COMPROMISE**



### The highlights:

- Broad configuration options
- Quieter, with reduced vibration and heat thanks to the separation between cab and bonnet
- All round visibility, thanks to the design and use of cab glass, optimised hood dimensions and compact EAT layout

Deutz-Fahr has focused on creating a highly configurable driver zone that offers supreme ergonomics and comfort. The new PowerVision Cabin offers two configurations with Deutz-Fahr's distinguished colour coded operators platform. The right hand console features simple and clearly laid out controls that fall easily to hand for the operator. With two variants in transmission control, the newly designed mechanical range lever with close gates for smooth and comfortable gear changes, or the high-tech RC shift controller, similar to that found in the pro-series range. As well as featuring a number of key controls on the controller, tractors spec'd with the RC-Shifter feature additional controls inset on the armrest.

The new Infocentre provides the driver with the clear, precise information needed to keep all operating parameters of these tractors under control at all times. Available also on the 6G series is the iMonitor 3 in an 8 inch



Clear and informative dashboard cluster with new InfoCentre



Armrest controls - RC variant available on all models (Standard on 6145G Summit and above)



Manual variant - Standard on 6145G Vista (available through indent)

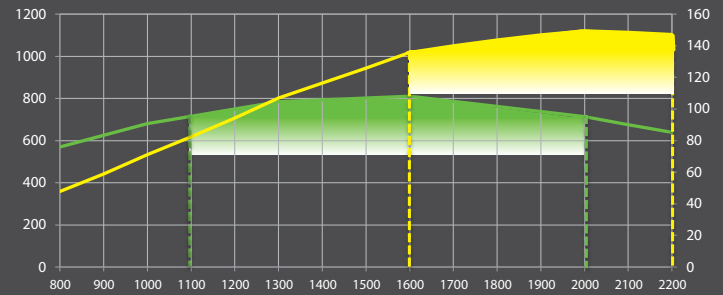


Air vents located throughout cabin.

version giving the operator full utilisation of the tractor and it's many features. 6G Series tractors may be automated even further with the addition of the Agrosky satellite guidance system, which, with an achievable accuracy of just 2cm (RTK), possesses the extreme precision necessary for automated control.



**SUPERB POWER AND ECONOMY**



#### ADVANTAGES (6205 G)

- 96% of max power already available from 1,600 rpm
- 900 rpm of constant torque (from 1,100 to 2,000 rpm): almost the max torque available for the full range of use of the engine.

#### The highlights:

- Latest version of the proven Deutz 2012 TCD Engine
- Deutz Common Rail (DCR) with twin oil lubricated injection pumps
- Electronic engine control unit
- Wastegate turbocharger maintains optimum turbo pressure throughout a wider RPM scale
- Tier 3A engine minimises engine additives and components

The new 6G series features the Deutz TCD 2012 engines. The tractors combine the highly efficient tier 3 engines with an intercooler and wastegate turbo-charger, an optimised position of the injector in the head, a high filtration capacity Donaldson PowerCore air filter and an all-aluminium cooling system. By doing so, the 6G is able to maximise power and productivity with lower fuel consumption meaning more time spent in the field.

Deutz-Fahr use a number of intelligent technologies designed specifically for the agricultural industry, aimed at increasing performance and lowering fuel consumption. Through the combination of electronic engine control and the Deutz common rail engine technology, the 6G series tractors are able to provide power on demand while at the same time, reducing fuel consumption.



**MORE SPEEDS MEAN MORE POWER  
AND FEWER INTERRUPTIONS**





### The highlights:

- Fully automatic modulated gear shifting
- 3 driving modes
- 50 ECO and 50 SuperECO Km/h
- Fine stepped multi-speed-transmission (5 robotised speeds x 6 Powershift speeds)
- Overlapping of min. 2 Powershift speeds
- Only 18% speed shift to the next gear
- 17 gears in the main working speed range

6G Series tractors come standard with a hydraulic reverse shuttle, the ComfortClutch push button, the Stop & Go function and a 6 speed Powershift gearbox and SpeedMatching, combined with 5 manually selected ranges to offer a total of 30 forward speeds and 15 reverse speeds. As an option, these models may also be equipped with a creeper gear providing a minimum ground speed of just 370 meters per hour. The longer 5<sup>th</sup> range gives the tractor a theoretical top speed of 75km/h, making it possible to drive the tractor at top speed (40 or 50 Km/h) at super-economy engine speed.

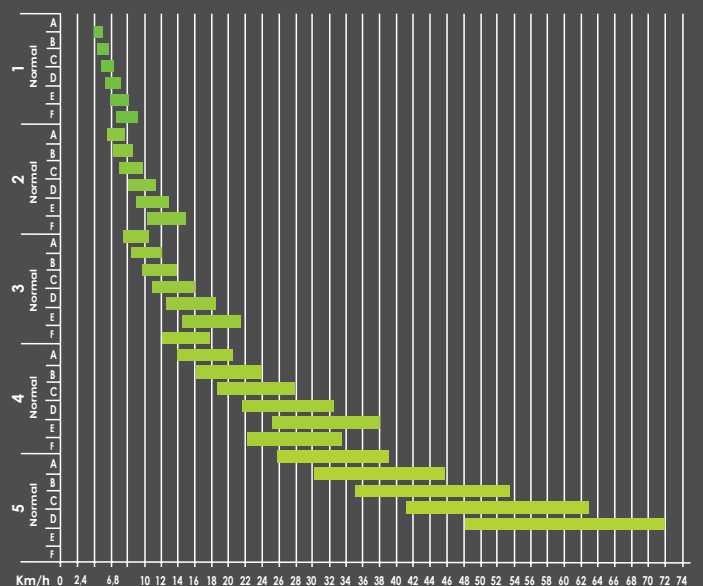
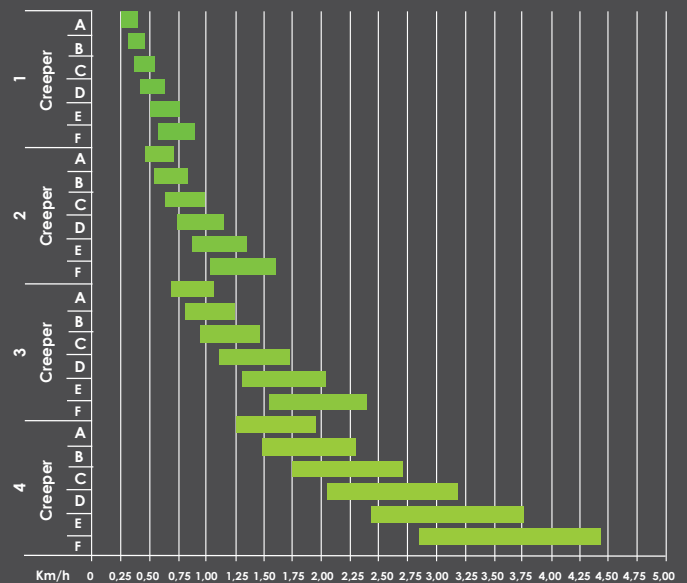
RC-shift versions feature automated powershift and range shifting capability, with proportional selector valves and exclusive transmission management developed in-house by DEUTZ-FAHR offering a user experience almost identical to the VRT transmission while still ensuring the superlative fuel economy typical of Powershift range gearboxes.

With a minimum of 2 overlapping Powershift speeds, only an 18% speed shift to the next gear and 17 gears in the main working range (5-20 km/h), the perfect speed for the job is always available. The closely grouped Powershifts mean more accurate speed control and a massive 6 Powershifts in each range mean fewer power interruptions due to the lack of range changes required.



50 Km/h SuperECO. Maximum speed with minimal engine rpm saves fuel.

### 6G transmission speeds



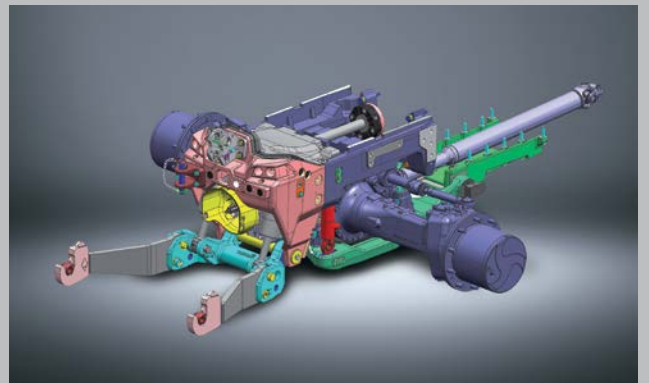


**NO COMPROMISE WHEN IT  
COMES TO OPERATOR SAFETY  
AND COMFORT IN THE FIELD**



### The highlights:

- Unique front axle with electronically controlled suspension
- Maximum stability in all working conditions
- Booster brake system



Electronic adaptive suspension incorporating an Anti-Dive and Anti-Rise system. The suspension can be used in the field and on the road. Fully lockable when needed.

New to the 6G series is the all new front axle suspension option, adapted from the professional series of tractors. The suspension is designed to maintain a neutral position even when there is a load on the FEL/Front Linkage. The Neutral position is exactly halfway between the upper and lower limites of the cylinder. This is achieved by Deutz new auto-leveling technology. By maintaining a neutral position, when the tractor does encounter shock or uneven ground, the front axle is better equipped to dampen the impact through the entire 120mm of travel.

As compared to a conventional system, when there is a load on the front axle, the suspension is already semi-compressed meaning the suspension is less capable of dampening sudden jolts or shock. Additionally, the auto-leveling system reduces excessive wear due to over extension/compression of the cylinder. Similarly, when the tractor comes under heavy braking, the suspension system locks itself in place, preventing the cylinder from compressing.



**HIGH DEMANDING IMPLEMENTS  
REQUIRE A HIGH PROVIDING  
TRACTOR**



### The highlights:

- Pump sizes ranging from 110 l/min to 165 l/min
- Open Centre and Closed Circuit Load Sensing options available
- Rear linkage up to 9,700 KG lift capacity
- Optional Sauter front linkage available
- Hitch controls on both rear fenders



External rear lift and PTO remote controls from each side.

With implements getting bigger, heavier and more demanding, operators are asking more of their tractor. The new 6G tractors from Deutz are more than up to the task. With a number of hydraulic pump configurations, up to 4 mechanical remotes and a rear lift capacity ranging from 6,200 KG through to 9,700 KG, the 6G is designed to handle even the most demanding of implements with ease. Electronic lift control gives accurate and simple to operate hitch control and allows the operator to move through the entire lift range with one press of a button.

All 6G series tractors feature an independent 42 l/min hydraulic pump for the steering meaning no power is lost at the implement when turning. Load sensing and Power Beyond are standard on tractors configured with a closed centre load sensing hydraulic pump.



FORM FOLLOWS FUNCTION.  
BOTH FOLLOW THE NEEDS  
OF FARMERS.



Front halogen lights fitted as a standard.



No connection between cab and engine hood - improved driver comfort.

The new 6G series from Deutz-Fahr feature the new family styling found on the Professional 6 and 7 series tractors. Available with either halogen or LED lights to ensure farmers can make the most out of the day and night. For the 6G series, Deutz have collaborated with leading vehicle design company Italdesign Giugiaro, one of the most influential vehicle design companies of recent times. With a major focus on both functionality and style, the 6G series ticks all the boxes.

Some key design features of the new 6G tractors include the space between the engine compartment and the cabin, keeping cabin noise

and heat transferred to the cab at an all-time low while enhancing overall operator comfort, and the relocation of the airconditioning unit in the roof of the tractor allowing it to perform even in the harshest conditions and increasing ease of servicability. The style and functionality is not only limited to the exterior of the tractor, with the new Powervision cab featuring premium materials and a clear ergonomic layout of controls and information.

TECHNICAL DATA	6G SERIES			
	6145G	6165G	6185G	6205G
<b>ENGINE</b>				
Manufacturer	Deutz			
Model	TCD 2012 L06 2V			
Emissions	Stage III A			
Internal EGR	●			
Cylinder / Displacement	No./cm <sup>3</sup>	6/6057	6/6057	6/6057
Turbo intercooler	●			
Wastegate valve	●			
Deutz Common Rail (DCR)	bar	1600	1600	1600
Power at rated engine speed (ECE R 120)	kW/HP	102/139	111/152	134/183
Max. power (ECE R 120)	kW/HP	108/147	120/163	140/190
Maximum torque	Nm	659	770	810
Engine speed at maximum torque	rpm	1400	1400	1600
Torque rise	%		33	32
Air filter with PowerCore	●			
Fuel tank capacity (standard)	litres	250	250	345
Additional tank capacity (optional)	litres	95	95	-
<b>TRANSMISSION</b>				
Manufacturer	ZF			
Model (Manual / Full Robotized)	TPT16/TPT16 RCshift			
Number of speeds (5x6)	No.	30+15	30+15	- /30+15
Number of speeds with supercreeper gear (5x6)	No.	54+27	54+27	- /54+27
Powershift number of speeds (Forward/Reverse)	No.	6/3	6/3	6/3
Minimum speed with supercreeper gear	km/h	0,37	0,37	0,41
Max speed (5x6)*	km/h	40/50	40/50	40/50
Automatic Powershift (APS)	○			
<b>PTO</b>				
PTO 540/540ECO/1000/1000ECO	●			
AUTO PTO	●			
Front PTO 1000	○			
<b>AXLES AND BRAKES</b>				
Limited slip (45%) diff. lock	●			
Front axle with 100% diff. Lock	○			
Electrohydraulically operated differential lock and 4WD (ASM)	○			
Four-wheel braking system with automatic 4WD engagement	●			
Powerbrake	○			
Mechanical parking brake	●			
Hydraulic trailer braking valve	○			
Pneumatic trailer braking valve	○			
Adaptive front axle suspension	○			
Steering pump capacity	l/min	42	42	42
Steering angle		52°	52°	52°
<b>HYDRAULIC SYSTEM</b>				
Fixed displacement pump (standard)	l/min	110	110	115
Variable displacement pump (Load Sensing) (standard)	l/min	120	120	125
Variable displacement pump (Load Sensing) (optional)	l/min	160	160	165
Auxiliary rear mechanical distributors (standard)	No.	3	3	4
Auxiliary rear mechanical distributors (optional)	No.	4	4	4
Power beyond	○			
<b>LIFT</b>				
Electronically controlled rear lift	●			
Rear lift capacity, two external cylinders 80 mm (standard)	kg	6200	-	6200
Rear lift capacity, two external cylinders 100 mm (optional)	kg	9700	9700	9700
Controls on mudguard	●			
Front lifting capacity	kg	3850	3850	3850
<b>CAB</b>				
PowerVision Cab	●			
iMonitor <sup>2</sup> (8")	○			
Mechanical cab suspension	●			
Air conditioning	●			
Telescopic external mirrors	●			
Halogen work lights	●			
LED work lights	○			
<b>DIMENSIONS AND WEIGHTS</b>				
With front tyres		540/65R28	540/65R28	540/65R30
With rear tyres		650/65R38	650/65R38	650/65R42
Wheelbase (fixed / suspended)	mm	2820 / 2767	2820 / 2767	2820 / 2767
Length (min-max)	mm	4710 - 6055	4710 - 6055	4710 - 6055
Height (min-max)	mm	2932 - 3171	2932 - 3171	3032 - 3221
Width	mm	2543	2543	2541
Ground clearance (min-max)	mm	654 - 722	654 - 722	704 - 772
Total unladen weight (min-max)	kg	6267 - 7307	6267 - 7307	6657 - 7704
Maximum permissible total weight	kg	11500	11500	12500

\*Max speed of 50 km/h where permitted. Max 40/50 km/h at low rpm according to tyres size.

STD ● OPT ○ Not available -



P +64 (7) 902 2200 W www.deutztractors.co.nz  
86 Thames Street, Morrinsville 3300, New Zealand

